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EXCELSIOR Project

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Project acronym:	**EXCELSIOR**
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Plan D9.12 Report on the participation in international events and organisation of scientific Conferences

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Executive Summary

This report provides a comprehensive overview of the organisation of, and participation in, international conferences, workshops, and other events since the launch of EXCELSIOR. These activities demonstrate a sustained commitment to strengthening scientific excellence, fostering international collaboration, promoting innovation, and increasing the visibility of research and technological developments in Earth Observation (EO), remote sensing, geoinformatics, climate services, space technologies, environmental monitoring, and related fields. Since the beginning of the project, ECoE and the EXCELSIOR partners have participated in more than 200 international events across over 35 countries. They have also organised approximately 20 major international events, supported several high-level institutional visits, and engaged with hundreds of researchers, policymakers, industry representatives, and end users.

A central element of this work was the successful organisation of a series of high-profile scientific conferences and workshops. These included the 9th to 12th editions of the International Conference on Remote Sensing and Geoinformation of Environment, RSCy2023 to RSCy2026. The RSCy conference series has developed into a leading regional and international platform for scientific exchange, collaboration, and stakeholder engagement. Between 2023 and 2026, the conferences attracted almost 900 participants from more than 30 countries, reflecting the growing international recognition of ECoE and Cyprus within the EO, geospatial, and space communities.

The report also highlights the organisation of the 41st Earth Observation for Environmental Monitoring Symposium of the European Association of Remote Sensing Laboratories, EARSeL, and the 17th International Conference on Meteorology, Climatology and Atmospheric Physics, COMECAP 2025. Both events brought together distinguished researchers, policymakers, industry representatives, and end users from Europe and beyond, creating valuable opportunities for knowledge exchange, networking, and the development of new collaborations.

Emphasis was placed on events organised in the context of the Cyprus Presidency of the Council of the European Union during the first half of 2026. These activities provided important opportunities to position Cyprus as a regional hub for science, innovation, space technologies, environmental monitoring, and international cooperation. The events addressed strategic priorities including cultural heritage protection, ocean governance, European space policy, secure connectivity, and the use of space technologies to address societal and environmental challenges. Through the organisation and support of Presidency-related events and high-level institutional visits, ECoE facilitated dialogue among European institutions, government bodies, international agencies, research organisations, industry stakeholders, diplomatic missions, and innovation ecosystems. These activities contributed to strengthening Cyprus' role within the European Research Area and the wider European space ecosystem.

In parallel, participation in international conferences, workshops, forums, exhibitions, stakeholder meetings, and outreach activities strengthened scientific networks, supported the establishment of new collaborations, enabled the dissemination of research results, promoted European initiatives, and increased the international visibility of the participating institutions and projects. These international

engagement activities also supported the expansion of strategic partnerships with European and global stakeholders, including organisations and initiatives associated with the European Space Agency, Copernicus, NASA, the Group on Earth Observations, the Indian Space Research Organisation, IN-SPACe, and other leading research, innovation, and policy networks.

Overall, the activities presented in this report demonstrate the successful implementation of a broad and strategically relevant portfolio of scientific, institutional, and outreach actions. They have contributed to knowledge exchange, capacity building, stakeholder engagement, international visibility, and the advancement of European and global cooperation in EO, climate services, remote sensing, geospatial technologies, environmental monitoring, and the space sector.

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Abbreviations

AI	Artificial Intelligence
CARO	Cyprus Atmospheric Remote Observatory
CMMI	Cyprus Marine and Maritime Institute
COMECAP	International Conference on Meteorology, Climatology, and Atmospheric Physics
CUT	Cyprus University of Technology
CYTA	Cyprus Telecommunications Authority
DAS	Data Acquisition Station
EARSeL	European Association of Remote Sensing Laboratories
ECoE	Eratosthenes Centre of Excellence
EMMENA	Eastern Mediterranean Middle East and North Africa
EO	Earth Observation
ERA	European Research Area
ESA	European Space Agency
EUSPA	EU Agency for the Space Programme
EXCELSIOR	Eratosthenes: Excellence Research Centre for Earth Surveillance and Space-based Monitoring of the Environment
GDPR	General Data Protection Regulation
GEO	The Group on Earth Observations
IGARSS	International Geoscience and Remote Sensing Symposium
IPR	Intellectual Property Rights
RS	Remote Sensing
RSCy	International Conference on Remote Sensing and Geoinformation of the Environment

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1 Introduction

International scientific conferences, thematic workshops, policy events, and stakeholder engagement activities play a critical role in advancing research excellence, promoting innovation, facilitating knowledge transfer, and strengthening cooperation among academia, industry, public authorities, and international organisations. They provide essential platforms for disseminating scientific achievements, exchanging best practices, identifying emerging challenges, and developing collaborative initiatives that address societal and environmental needs.

This report presents the activities undertaken in relation to the organisation and participation in international conferences and other international events since the beginning of EXCELSIOR. The documented activities span a wide range of scientific and technological domains, including EO, remote sensing, geoinformation, climate science, environmental monitoring, disaster risk management, space technologies, artificial intelligence applications, and sustainable development.

Table 1 Provides a summary of the international events organised or co-organised by ECoE from 2020 to 2026:

- 4 editions of the International Conference on Remote Sensing and Geoinformation of Environment (RSCy2023 - RSCy2026)
- 7 editions of the Annual ECoE International Workshop (2020-2026)
- 2 International Conferences/Symposia
- 1 Space Day
- 6 high-level events under the Cyprus Presidency for the European Council 2026 (incl. RSCy2026)
- 4 visits by EU delegations under the Cyprus Presidency for the European Council 2026

A significant component of the reported work (Chapter 2) concerns the organisation of major international conferences hosted in Cyprus, including successive editions of the International Conference on Remote Sensing and Geoinformation of Environment (RSCy) since 2023, the 41st EARSeL Symposium, and the 17th International Conference on Meteorology, Climatology and Atmospheric Physics (COMECAP 2025). These events served as important platforms for presenting cutting-edge research, promoting interdisciplinary collaboration, and facilitating dialogue among scientists, practitioners, policymakers, and private-sector stakeholders. Collectively, these conferences attracted more than 1,100 participants from more than 30 countries, contributing to Cyprus's international visibility and reinforcing ECoE's role as a regional hub for EO and space technologies.

The report further highlights six high-level events organised under the framework of the Cyprus Presidency of the Council of the European Union 2026, complemented by four high-level institutional visits to ECoE facilities, as well as the organisation of the 1st India-Cyprus Space Day. These events addressed strategic European priorities related to cultural heritage protection, marine and coastal sustainability, European space policy, secure connectivity, innovation ecosystems, and the uptake of space-based services. Through these activities, Cyprus helped shape discussions on key policy and research priorities at both the European and international levels. The high-level visits from EU

delegates further highlighted ECoE's active involvement in European cooperation across the fields of telecommunications, research, education, culture, and space policy.

In addition to organising conferences and thematic events, active participation in numerous international meetings, conferences, exhibitions, workshops, and stakeholder forums (Chapter 3) enabled the dissemination of research outcomes, strengthened partnerships with leading institutions worldwide, and enhanced the visibility and impact of ongoing projects and initiatives. Since the start of EXCELSIOR, ECoE and project partners have:

- Participated in over 200 international events
- Delivered more than 20 keynote or invited talks
- Given more than 350 oral presentations
- Presented more than 100 posters

The purpose of this report is therefore to document the scope, objectives, implementation, and outcomes of these activities, while highlighting their contribution to scientific advancement, stakeholder engagement, capacity building, and international cooperation. The report also demonstrates how these activities have supported the broader objectives of the EXCELSIOR project by strengthening scientific excellence, enhancing internationalisation, promoting innovation and entrepreneurship, and positioning ECoE as a sustainable Centre of Excellence with growing international recognition (Chapter 4).

Table 1: Summary of international conferences and events organized by ECoE.

International Event	Date	Location	Reporting Period	Detailed Reporting
1st Annual ECoE International Workshop "First Virtual International Workshop on Space Operations and Environmental Monitoring in Cyprus"	15/7/2020	Online	RP1	D9.13
2nd Annual ECoE International Workshop "Second Virtual International Workshop on Atmospheric & Climate Research in the EMMENA region"	08/6/2021	Online	RP2	D9.14
3rd Annual ECoE International Workshop "Third Virtual EXCELSIOR Workshop on Entrepreneurship & Innovation in Earth Observation"	21/6/2022	Online	RP3	D9.14
41st EARSeL Symposium	13-16/9/2022	Paphos, Cyprus	RP3	This report

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International Event	Date	Location	Reporting Period	Detailed Reporting
41st Earth Observation for Environmental Monitoring Symposium				
RSCy2023 9th International Conference on Remote Sensing and Geoinformation of Environment, Cyprus	03-05/4/2023	Ayia Napa, Cyprus	RP3	This report
4th Annual ECoE International Workshop Fourth Annual Virtual EXCELSIOR Workshop on Earth Observation Research Trends in the EMMENA region	05/7/2023	Ayia Napa, Cyprus	RP3	D9.14
RSCy2024 10th International Conference on Remote Sensing and Geoinformation of the Environment	08-09/4/2024	Paphos, Cyprus	RP4	This report
5th Annual ECoE International Workshop "Fifth EXCELSIOR Annual Hybrid Workshop: Big Data in Earth Observation: Trends and Challenges"	08/4/2024	Online	RP4	D9.15 due 31/12/2027
RSCy2025 11th International Conference on Remote Sensing and Geoinformation of Environment	17-19/3/2025	Paphos, Cyprus	RP4	This report
6th Annual ECoE International Workshop "Sixth EXCELSIOR Annual Hybrid Workshop: Earth Observation Business Opportunities"	17/3/2025	Paphos, Cyprus	RP4	D9.15 due 31/12/2027
COMECAP 2025 17th International Conference on Meteorology, Climatology & Atmospheric Physics	29/9/2025-01/10/2025	Nicosia, Cyprus	RP5	This report
International Symposium: Cultural Property Protection	20-21/4/2026	Nicosia, Cyprus	RP5	This report

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International Event	Date	Location	Reporting Period	Detailed Reporting
An enabler for cooperation in Europe, the Mediterranean and the Gulf region[1]				
RSCy2026 12th International Conference on Remote Sensing and Geoinformation of Environment[1]	27-29/4/2026	Paphos, Cyprus	RP5	This report
7th Annual ECoE International Workshop "Seventh Annual Hybrid EXCELSIOR Workshop: Earth Observation for Climate Change and Security Applications and Services in the Eastern Mediterranean, Middle East, and North Africa (EMMENA)"	27/4/2026	Paphos, Cyprus	RP5	D9.15 due 31/12/2027
Riding the Wave Advancing the EU Ocean Pact through Science, Innovation and Cooperation[1]	11-12/5/2026	Ayia Napa, Cyprus	RP5	This report
1st India-Cyprus Space Day	18/5/2026	Online	RP5	This report
EU Space Days 2026 (Co-organized by the EXCELSIOR partner DEC-DMRID in its capacity as Cyprus Space Office, and the European Commission)	26-27/5/2026	Nicosia, Cyprus	RP5	This report
2026 General Assembly of the EU Space Networks[1] (Scheduled back-to-back with the EU Space Days 2026 organised by the European Commission)	27-28/5/2026	Nicosia, Cyprus	RP5	This report
From Space to Solutions Leveraging Space Tech, Earth Observation & AI for Real-World Impact[1]	08/6/2026	Nicosia, Cyprus	RP5	This report
Visits to ERATOSTHENES CoE facilities under the auspices of the Cyprus Presidency of the Council of the EU				
Visit to the premises of CYTA's Makarios Station by the Attaché Trip, Informal Working Party on Research	17/4/2026	Kofinou, Cyprus	RP5	This report

[1] Under the auspices of the Cyprus Presidency of the Council of the EU.

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International Event	Date	Location	Reporting Period	Detailed Reporting
Informal Meeting of the Common Agricultural Policy (CAP) Directors	28-30/4/2026	Paphos, Cyprus	RP5	This report
Visit by the European Parliament's Committee on Education and Culture	12/6/2026	Limassol, Cyprus	RP5	This report
Visit by the Working Party on Space Attachés	23/6/2026	Limassol, Cyprus	RP5	This report

2 Organization of international scientific conferences & other events

The organisation of international scientific conferences is a central component of ECoE's strategy to promote scientific excellence, disseminate research results, and strengthen international collaboration. In addition to major conferences, ECoE organises a broad range of workshops, forums, stakeholder meetings, outreach activities, and policy-oriented initiatives that support knowledge exchange among researchers, policymakers, industry representatives, end users, and wider society. Through the EXCELSIOR project, ECoE has established itself as an important regional and international hub for scientific exchange, innovation, and stakeholder engagement in Earth Observation (EO), remote sensing, geoinformation, environmental monitoring, climate sciences, space technologies, and related fields.

Emphasis has been placed on the development of recurring flagship events, most notably the International Conference on Remote Sensing and Geoinformation of Environment (RSCy) series. This conference has evolved into one of the region's leading scientific gatherings in EO and geospatial technologies. In addition to the RSCy series, ECoE has organised or co-organised several major international conferences and thematic events, including the 41st Earth Observation for Environmental Monitoring Symposium of the European Association of Remote Sensing Laboratories (EARSeL), the 17th International Conference on Meteorology, Climatology and Atmospheric Physics (COMECAP), and the first India-Cyprus Space Day. ECoE has also contributed to a series of high-level events organised in the context of the Cyprus Presidency of the Council of the European Union. Collectively, these activities have strengthened ECoE's international visibility, expanded its scientific and institutional networks, promoted European and international cooperation, and supported the positioning of Cyprus as an emerging hub for research, innovation, EO, geospatial applications, and space technologies.

The following sections present the main scientific conferences and international events organised or co-organised by ECoE since the launch of EXCELSIOR. They outline the objectives, participation, principal outcomes, and contribution of each event to the strategic goals of EXCELSIOR and to the broader development of the European and international EO and space ecosystem.

2.1 9th International Conference on Remote Sensing and Geoinformation of Environment (RSCy2023)

The 9th International Conference on Remote Sensing and Geoinformation of Environment (RSCy2023) was held from 3 to 5 April 2023 in Ayia Napa, Cyprus. The conference was organised by the Cyprus Remote Sensing Society and ECoE, in cooperation with the European Space Agency (ESA), NASA, Copernicus, the DLR Earth Observation Center, the Department of Electronic Communications of the Ministry of Communications and Works, the Cyprus Scientific and Technical Chamber (ETEK), the Cyprus Department of Meteorology, and the Agricultural Research Institute. The RSCy2023 provided an important international platform for the exchange of scientific knowledge, technological developments, and collaborative ideas in remote sensing, geoinformation, and EO. It brought together

representatives from academia, government, industry, research organisations, and professional bodies, supporting dialogue across scientific, technical, policy, and application-oriented communities.

The conference opened with welcoming remarks from Dr Kyriacos Themistocleous of ECoE and the Cyprus Remote Sensing Society, Ms Myria Loizidou of ETEK, Professor Diofantos Hadjimitsis, Coordinator of the EXCELSIOR H2020 Teaming Project and Director of ECoE, and Mr Chrysanthos Pissarides of ICOMOS Cyprus. The official opening address was delivered by Mr Filippos Hadjizacharias, Deputy Minister of Research, Innovation and Digital Policy. He highlighted Cyprus's growing role within the European space ecosystem and reaffirmed the country's commitment to advancing research, innovation, and sustainable development through space and EO technologies. The keynote sessions featured internationally recognised experts, including Dr Zoltan Bartalis of ESA, Professor Dan Blumberg of the Israel Space Agency, and Professor Hesham El-Askary of the Egyptian Space Agency. Their presentations offered valuable insights into international developments in satellite-based EO, space-enabled environmental monitoring, and regional cooperation in space research. A detailed conference agenda is provided in Appendix B.

A key feature of the conference was a panel discussion organised within the framework of ECoE's Living Labs initiative. The panel brought together stakeholders from academia, industry, and government to examine practical approaches to innovation in atmospheric research and agriculture. Dr Speser participated as a specially invited speaker and discussed the commercialisation of scientific research, with particular emphasis on opportunities to develop market-ready products and services based on EO technologies. She also presented the role and services of the Central Knowledge Transfer Office (CKTO), operated by the Research and Innovation Foundation of Cyprus. The CKTO supports researchers in protecting and exploiting intellectual property and in transforming innovative ideas and research results into commercially viable products, services, and business ventures. Professor Andreas Anayiotos also presented technological innovations under development at ECoE and demonstrated their application through pilot activities in Cyprus and the wider Eastern Mediterranean, Middle East and North Africa region. His presentation emphasised the importance of translating scientific achievements into practical and commercial applications. It also demonstrated how ECoE's research and innovation activities can contribute to strengthening Cyprus's role as a regional hub for space, EO, and geoinformation technologies.

RSCy2023 welcomed 162 participants from 25 countries, reflecting its international reach and scientific relevance. Approximately 30 government officials also attended the conference's plenary sessions, parallel sessions, and satellite workshops. Their participation strengthened the interaction between the scientific community and public authorities and supported the exchange of knowledge on the policy and operational use of EO technologies. Overall, RSCy2023 contributed to the objectives of EXCELSIOR by increasing the international visibility of ECoE, facilitating scientific and institutional networking, promoting the dissemination and exploitation of research results, and strengthening links among researchers, policymakers, industry representatives, and end users. The conference also

reinforced Cyprus's position as a regional meeting point for EO, geospatial research, innovation, and space-related cooperation.

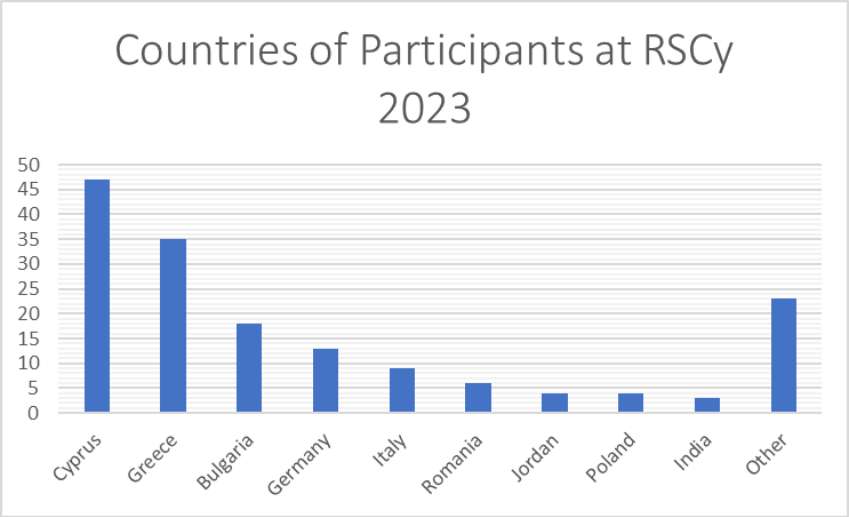


Figure 1: List of Participants at RSCy 2023. Other countries include one or two participants from Armenia, Bosnia and Herzegovina, Czech Republic, Egypt, France, Israel, Latvia, Lebanon, Lithuania, Nepal, Portugal, Russia, Serbia, Sudan, Spain and United Arab Emirates.

The RSCy2023, published as SPIE Volume 12786, bring together a comprehensive collection of peer-reviewed research papers presented during the conference. The volume highlights recent scientific and technological advancements in EO, remote sensing, and geoinformatics, showcasing the integration of satellite data, geospatial analysis, and AI across diverse environmental and societal applications. Topics include climate and atmospheric studies, agriculture, water and land resource management, cultural heritage preservation, disaster risk reduction, coastal and marine monitoring, and urban sustainability. The proceedings reflect the collaborative spirit of the conference, featuring contributions from researchers and institutions, and emphasize the role of space technologies and geoinformation systems in addressing global environmental challenges. A total of 76 papers were submitted, authored by more than 380 researchers representing research organizations and universities from 15 countries.

This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 857510.

This project has received funding from the Government of the Republic of Cyprus through the Directorate General for the European Programmes, Coordination and Development as well as the Cyprus University of Technology.



Figure 2: Participants at the RSCy2023 conference.

2.2 10th International Conference on Remote Sensing and Geoinformation of Environment (RSCy2024)

The 10th International Conference on Remote Sensing and Geoinformatics of the Environment (RSCy2024) was held on 8 and 9 April 2024 in Paphos, Cyprus. The event was organised by ECoE and the EXCELSIOR H2020 Teaming Project of the Cyprus University of Technology (CUT), in collaboration with the Cyprus Remote Sensing Society. It received valuable support from the Department of Electronic Communications of the Deputy Ministry of Research, Innovation and Digital Policy and the European Space Agency (ESA). RSCy2024 provided a dynamic international forum for the exchange of scientific knowledge, innovative ideas, and technological advances in remote sensing, geoinformation, Earth Observation (EO), and space applications. The conference brought together researchers, policymakers, public authorities, industry representatives, and end users, supporting dialogue and collaboration across scientific, technological, policy, and operational communities.

The programme comprised more than 22 thematic sessions and featured distinguished keynote speakers and leading researchers presenting recent developments in satellite data analysis, EO, space technologies, geoinformatics, and artificial intelligence (AI). The sessions showcased advanced methodologies, tools, and applications across a wide range of environmental and societal domains. Key topics included precision agriculture, atmospheric sciences, cultural heritage protection, marine and blue economy applications, maritime safety, and natural hazard and disaster management. Particular attention was given to the monitoring and management of floods, wildfires, earthquakes, and landslides. Additional sessions addressed meteorology, environmental monitoring, climate change adaptation, sustainable development, and the use of geospatial information to support evidence-based decision-making.

In his opening address, Dr Nicodemos Damianou, Deputy Minister of Research, Innovation and Digital Policy, highlighted the importance of EO and geospatial technologies in responding to contemporary environmental and societal challenges. He noted that satellite imagery, aerial photography, geographic information systems, and advanced data analytics provide powerful capabilities for monitoring environmental change, managing natural resources, assessing risks, and supporting informed policy

and operational decisions. Dr Damianou also congratulated ECoE on its continued scientific progress and the expansion of its international collaborations in space technologies. He reaffirmed the Government of Cyprus's commitment to strengthening the country's participation in European and international space initiatives and to supporting the development of Cyprus as a regional centre for research, innovation, and space-enabled services.

The conference welcomed 185 participants from 17 countries. A further 52 government officials attended the plenary and parallel sessions, as well as the associated satellite workshops. The officials represented approximately 20 government departments, ministries, municipalities, public authorities, and stakeholder organisations. Participating bodies included Peyia Municipality, the Public Works Department, the Department of Meteorology, the Cyprus Telecommunications Authority, the Department of Electronic Communications, the Deputy Ministry of Research, Innovation and Digital Policy, the Panagrotikos Farmers' Union of Cyprus, the Cyprus Ports Authority, the Department of Environment, the Water Development Department, the Cyprus Agricultural Payments Organisation, the Department of Lands and Surveys, the Agricultural Research Institute, the Department of Agriculture, the Cyprus National Guard, the Department of Fisheries and Marine Research, the Shipping Deputy Ministry, and Cyprus Civil Defence. The strong participation of public-sector representatives demonstrated the growing operational and policy relevance of EO, geospatial technologies, and space-based services in Cyprus. It also created opportunities for direct engagement between researchers and public authorities, enabling the exchange of information on institutional needs, available technological solutions, and potential areas for future collaboration.

Overall, RSCy2024 contributed directly to the objectives of EXCELSIOR by strengthening ECoE's international scientific networks, increasing the visibility of its research and innovation activities, facilitating the dissemination and potential uptake of research results, and promoting collaboration among academia, government, industry, and end users. The conference further supported the positioning of Cyprus as an emerging regional hub for EO, geoinformation, environmental monitoring, artificial intelligence, and space technologies.

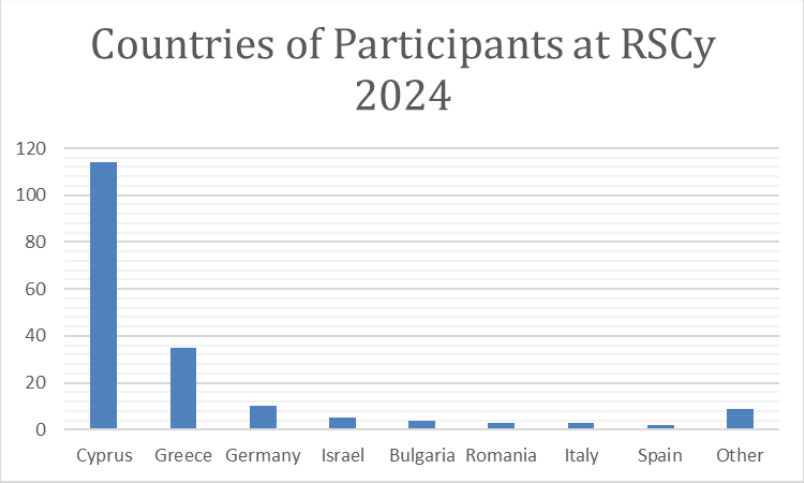


Figure 3: Countries of Participants at RSCy 2024. Other countries include one participant from Canada, China, France, India, Norway, Russia, Tunisia, Turkey and USA.

The following satellite workshops were held during RSCy2024:

- 5th EXCELSIOR Annual Hybrid Workshop in Big Data in Earth Observation: Trends and Challenges[2]
- Copernicus uptake for the maritime sector - Awareness and Matchmaking Event: The Use of Copernicus Data in the Maritime Sector and the Collaboration and Engagement of Stakeholders
- Beyond the Horizon: The Second Workshop on Maritime Security, Surveillance and Awareness in Cyprus
- ReSENSE workshop: Remote sensing technologies training
- ERATOSTHENES CoE Living Labs & Opportunities and Challenges in Carbon Farming for a Success Story in Cyprus and the EU
- Earth Observation and Geoinformatics for the protection of Cultural Heritage

A highlight of the conference was the presentation of awards for outstanding oral and poster contributions. Best poster presentations awards:

- "Integrated application of geospatial technologies for digital twinning of urbanized territories for microscaleurban planning", by S. Petrov, S. Dimitrov and I. Ihtimanski.
- "Mapping ecosystem services trade-offs and synergies over pilot Natura2000 sites in Greece" by I. Chrysafis et al.
- "Precision viticulture using multiple sensors and aerial robotics (VITISENSE) for better financial outcomes and disease management practices", by M. Tsiouni et al.

Best oral presentations awards:

- "Near real-time oil pollution monitoring using SAR for the southeastern Mediterranean Sea", by Y. Yang, C. Schnupfhagn and S. S. Jacobsen.
- "Exploring the potential of space borne LiDAR data for forest biomass estimation in a complex-structured coniferous forest", by N. Georgopoulos et al.
- "Monitoring lands cape restoration: from land use change methodologies to collaborative digital twin platforms in the context of locally driven implementations", by M. Gabriele et al.

The proceedings of RSCy2024 compile a diverse collection of peer-reviewed research contributions presented at the conference. Edited by Andreas Christofe, Silas C. Michaelides, Diofantos G. Hadjimitsis, Chris Danezis, Kyriacos Themistocleous, Nicholas Kyriakides, and Gunter Schreier, the volume brings together studies spanning advanced remote sensing, geoinformatics, EO, and AI-driven geospatial analytics. Topics range from UAV / satellite integration, coastal erosion monitoring, forest dynamics, disaster risk assessment and land degradation to precision agriculture, cultural heritage protection, meteorological extremes and environmental change. Applications are explored in both local (Cyprus, Eastern Mediterranean) and broader regional contexts, with pilot studies illustrating the development of digital twins, Web GIS tools, and machine learning workflows for environmental monitoring and decision support. A total of 59 papers were submitted, authored by 286 researchers representing research organisations and universities from 11 countries.

[2] The primary objective of this workshop is to leverage the potential of Big Data and Artificial Intelligence in synergy with Earth Observation and Remote Sensing technologies. These themes are closely aligned with the European Union's Space Programme, as well as the broader EU Space Strategy and Agenda, reinforcing the workshop's contribution to advancing Europe's leadership in space and digital innovation. More details will be available in D9.15, due to 31/12/2027.

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Figure 4: Participants at the RSCy2024 conference.

2.3 11th International Conference on Remote Sensing and Geoinformation of Environment (RSCy2025)

The 11th International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2025) brought together an international community of scientists, researchers, industry professionals, policymakers, and public-sector representatives. The conference provided a leading platform for presenting and discussing recent advances in remote sensing, Earth Observation (EO), space technologies, artificial intelligence (AI), and geoinformation, reflecting the rapid development and growing interdisciplinary relevance of these fields. The scientific programme comprised more than 20 thematic sessions and featured distinguished keynote and invited speakers. Participants presented innovative methods, technologies, and applications in satellite data analysis, EO, AI, and geospatial technologies. The sessions supported scientific exchange and encouraged collaboration among research institutions, industry, government bodies, and end users. The conference addressed a broad range of environmental, economic, and societal applications. Key topics included agriculture, atmospheric and climate research, cultural heritage protection, the blue economy, maritime safety, meteorology, environmental protection, and natural hazard and disaster management, especially the monitoring, assessment, and management of floods, wildfires, earthquakes, and landslides. The full scientific programme, including details of the thematic sessions and participating speakers, is provided in Appendix D.

RSCy2025 attracted 262 participants from 23 countries, demonstrating the continued growth and international reach of the RSCy conference series. A further 32 government officials participated in the plenary and parallel sessions and in the associated satellite workshops. Their involvement strengthened interaction between the scientific community and public authorities and supported

discussions on the operational and policy applications of EO, geospatial information, and space technologies.

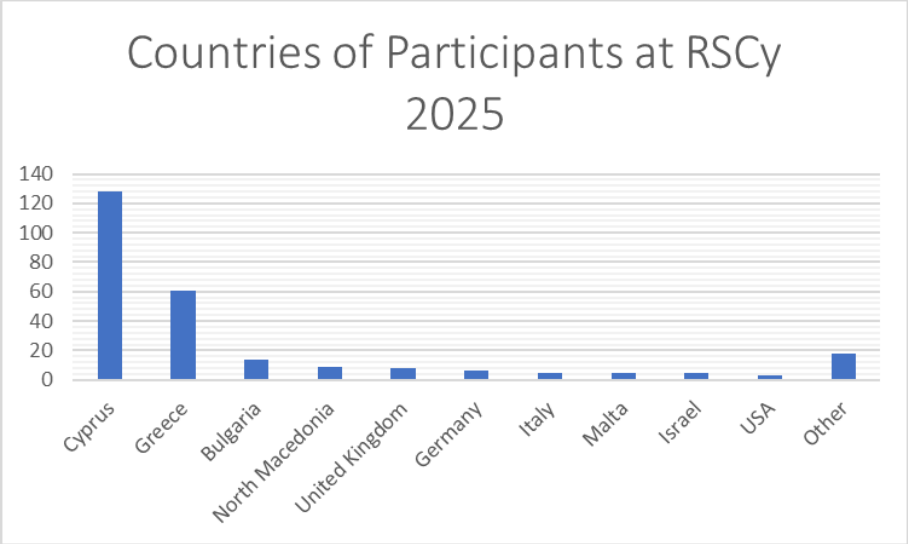


Figure 5: Countries of participants at RSCy 2025. Other countries include one or two participants from Belgium, Canada, Estonia, France, Hungary, India, Iran, Kenya, Netherlands, Norway, Romania, Switzerland and Ukraine.

The participating officials represented government departments, ministries, municipalities, local government organisations, public authorities, and stakeholder bodies. These included Akamas Municipality, the Pafos District Local Government Organisation, the Limassol District Local Government Organisation, the Panagrotikos Farmers' Union of Cyprus, the Cyprus Telecommunications Authority, the Department of Electronic Communications, the Ministry of Defence, the Agricultural Research Institute, the Cyprus Police, the Water Development Department, the Shipping Deputy Ministry, the Ministry of Agriculture, Rural Development and Environment, the Department of Lands and Surveys, the Deputy Ministry of Culture, the Deputy Ministry of Research, Innovation and Digital Policy, the Office of the Commissioner for Personal Data Protection, and the Cyprus Fire Service. The participation of public authorities and operational agencies highlighted the growing relevance of EO and geospatial technologies to public administration, environmental management, emergency response, infrastructure planning, agriculture, maritime activities, cultural heritage, and national security. It also provided opportunities to identify institutional needs, demonstrate available research capabilities, and explore areas for future cooperation and technology uptake.

In his opening address, Dr Nicodemos Damianou, Deputy Minister of Research, Innovation and Digital Policy of the Republic of Cyprus, commended ECoE for its achievements in advancing space technologies and Earth Observation research. He noted that, following several years of sustained development, investment, and international collaboration, Cyprus had made significant progress towards full membership of the European Space Agency, building on its status as an Associate Member. A significant milestone during the conference was the official signing of the agreement for the establishment of the Space Business Incubation Centre (BIC). The agreement was signed by Mr Georgios Komodromos, Acting Permanent Secretary of the Deputy Ministry of Research, Innovation

and Digital Policy, and Professor Diofantos Hadjimitsis, Managing Director of ECoE. The establishment of the Space BIC represents an important step towards strengthening Cyprus's space innovation ecosystem. It is expected to support entrepreneurship, facilitate the commercialisation of space-related research and technologies, and encourage the development of new products and services by start-ups and small and medium-sized enterprises.

Overall, RSCy2025 contributed to the strategic objectives of EXCELSIOR by facilitating the dissemination of scientific results, strengthening international and cross-sectoral networks, promoting dialogue between researchers and end users, and increasing the visibility of ECoE and its partners. The conference further reinforced the position of Cyprus as a regional meeting point for research, innovation, and cooperation in EO, geoinformation, environmental monitoring, AI, and space technologies.

Nine satellite workshops were held during RSCy2025:

- Annual Excelsior Workshop on "Earth observation applications and services in the Eastern Mediterranean, Middle East, and North Africa (EMMENA): Earth observation business opportunities"[3]
- Annual workshop / Meeting of Mediterranean Regional Information Network (MedRIN) – NASA
- Workshop in Advancing Climate Action, Environmental Sustainability, and Food Security through Synergies
- Workshop for ReSENSE Project: Remote Sensing Technologies Training is an Erasmus+ funded project
- CAMS user intelligence and user interaction: Cyprus and Malta[4]
- CEOPS: Mapping Public Sector Needs & Opportunities with Earth Observation in Cyprus
- Building synergies among researchers, decision makers and first responders: From flood risk assessment to operational flood risk reduction services
- The Stakeholder Dialogue on Reducing Agriculture's Carbon
- Artificial Intelligence applications in Earth Observation and Geoinformatics, organized under the ENFIELD project

A highlight of the conference was the presentation of awards for outstanding oral and poster contributions.

Best Oral Presentation Awards:

1. Konstandinos Panayiotou – *A Hybrid Edge-to-Cloud Architecture Towards Low-Code Development of Global Food-Security Applications: The Nostradamus Case*
2. Anastasia Sarelli – *High-Resolution and High-Frequency Thermal Infrared Monitoring of Sea Surface Temperature (SST) from the FOREST Constellation*

[3] This annual EXCELSIOR workshop is the 6th in the series, this year focused on opportunities and synergies in the EMMENA region on Earth Observation, including Unique infrastructures in Cyprus (DAS, GBS), Opportunities for data acquisition from the DAS (satellite station) that will be established in Cyprus on October 2025, Dedicated EO applications in different areas such as: agriculture, civil protection, hazards etc., The development of new Earth observation-based information services, Maritime Security, Surveillance and Awareness in Cyprus. More details will be available in D9.15, due to 31/12/2027.

[4] Presentations are available here: https://atmosphere.copernicus.eu/cams-user-workshop-cyprus-malta

3. Pathap Nagaraj Kashyap and Alireza Javanmardi – *Spatio-Temporal Diffusion Model for Satellite Imagery*

Best Poster Presentation Awards:

1. Petia Angelova – *Detection of Coseismic Displacement in the Region of the Cyclades*
2. Temenuzhka Spasova – *Assessment of Post-Fire Disturbances Based on Remotely Sensed Methods and Data*
3. Marios Tzouvaras – *Artificial Intelligence and Earth Observation Towards Disaster Risk Reduction: The AI-Observer's Research Exploratory Project*

Conference proceedings were published in the SPIE conference series and cover a broad range of thematic areas, including satellite remote sensing, geoinformatics, artificial intelligence in EO, land-use/cover change, disaster risk reduction, agriculture and water resources management, maritime and blue-economy applications, cultural heritage monitoring, climate change and atmospheric studies. The content emphasizes both methodological advances (e.g., AI/data fusion, next-generation sensors, simulation models) and application-driven case studies from local, regional and global contexts. A total of 72 papers were submitted, authored by 283 researchers representing research organizations and universities from 15 countries.



Figure 6: Participants at the RSCy2025 conference.

This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 857510.

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Figure 7: Moments from RSCy2025 conference.

2.4 12th International Conference on Remote Sensing and Geoinformation of Environment (RSCy 2026)

The 12th International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2026) was held in Paphos, Cyprus, from 27 to 29 April 2026. Building on the success of the previous editions, the conference continued its established role as an international platform for researchers, engineers, policymakers, public authorities, and industry representatives working in Earth Observation (EO), remote sensing, geographic information systems, environmental monitoring, and geospatial technologies.

The main objective of RSCy2026 was to promote the development and application of satellite-based and airborne EO technologies to address environmental and societal challenges. The conference facilitated the exchange of scientific knowledge, technological advances, and applied solutions in areas including climate change monitoring, disaster risk reduction, sustainable agriculture, water resource management, urban development, and coastal zone monitoring. A strong emphasis was placed on integrating advanced data analysis techniques with EO and geospatial data. The programme examined the use of artificial intelligence, machine learning, and big data processing to improve environmental monitoring, automate data interpretation, and support timely and evidence-based decision-making. The scientific scope of the conference covered both methodological advances and application-oriented research. Topics included developments in optical, radar, and light detection and ranging technologies, as well as innovations involving unmanned aerial vehicles, airborne systems, and satellite platforms. Application areas included land use and land cover change, agricultural productivity, forestry and

wildfire management, hydrological monitoring, marine and coastal observations, urban planning, infrastructure monitoring, and disaster preparedness and response.

The conference was held under the auspices of the Cyprus Presidency of the Council of the European Union. The President of the Republic of Cyprus was represented by Dr Nicodemos Damianou, Deputy Minister of Research, Innovation and Digital Policy. This high-level participation demonstrated the importance the Government of Cyprus places on EO, space technologies, research, and innovation as drivers of sustainable development and international cooperation. The programme also included ambassadors, embassy representatives, and senior diplomatic officials from Germany, Italy, Sweden, Hungary, Greece, Poland, Egypt, and India. Their participation strengthened the conference's international cooperation dimension and supported dialogue among the scientific community, national authorities, European institutions, diplomatic missions, and international partners.

RSCy2026 was characterised by a strong institutional, governmental, and diplomatic presence throughout its keynote and plenary programme. The conference featured 14 internationally recognised keynote and high-level speakers representing major EO agencies, research institutions, international organisations, academia, and industry. Their participation reflected the growing recognition of RSCy as a leading forum for scientific exchange and strategic dialogue in remote sensing and geoinformation science. The keynote and invited speakers included senior representatives and experts from the European Space Agency, the Copernicus Land Monitoring Service of the European Environment Agency, the United Nations Office for Outer Space Affairs, the National Observatory of Athens, the Foundation for Research and Technology Hellas, and the Earth Fire Alliance. The programme also included senior space consultants from the United States and Israel, together with leading academic and industry specialists in EO, artificial intelligence, and geospatial technologies. Their contributions highlighted the strategic importance of satellite-based environmental monitoring and its role in addressing climate change, disaster risk, environmental degradation, sustainable development, and other societal challenges. The keynote programme also provided insights into European and international priorities, operational services, emerging technologies, and opportunities for scientific and institutional cooperation.

RSCy2026 also had a strong international dimension, attracting participants from Europe and beyond, including researchers affiliated with major space agencies, universities, and research institutions. The conference served as a collaborative platform that fosters scientific exchange and supported the development of international research networks in Earth observation. Despite the tensions Middle East during spring 2026, 283 participants (including online) from 23 countries attended, reflecting the global relevance of the topics addressed. In total, 149 abstracts were submitted, a record for the RSCy conference series. Conference papers will be submitted and published in SPIE, expected to be released in late summer or early autumn 2026. Further, the conference featured a broad coverage from the local media, including the Cyprus Broadcasting Corporation.

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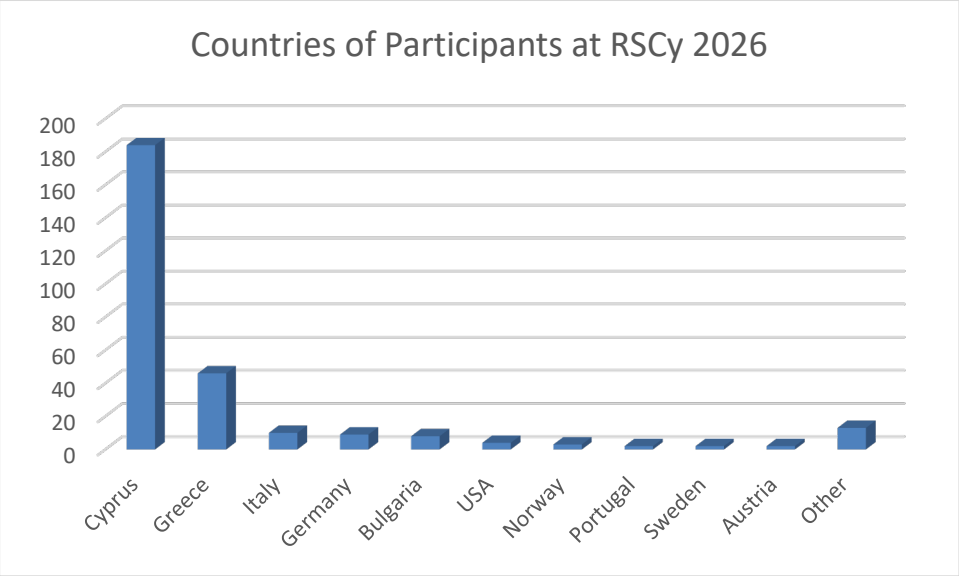


Figure 8: Countries of participants at RSCy 2026. Other countries include one participant from Armenia, Australia, Belgium, Czech Republic, Denmark, Egypt, Hungary, India, Israel, Poland, Switzerland, Turkey and United Kingdom.

In addition to the main scientific and technical sessions, RSCy2026 included ten specialised workshops addressing emerging and policy-relevant themes. These workshops examined the contribution of EO to climate action, the application of artificial intelligence in geoinformatics, flood risk assessment and management, sustainable agriculture, carbon reduction strategies, and the use of Copernicus and other satellite programmes for regional and global environmental monitoring. The workshops were designed to strengthen the connection between scientific research, operational needs, policy development, and commercial applications. They created opportunities for researchers, public authorities, industry representatives, and end users to discuss practical challenges, identify areas for cooperation, and explore the uptake of EO-based tools and services.

The satellite workshops held during RSCy2026 were:

- 7th Annual Hybrid Excelsior Workshop[5]
- Final Workshop of the SMARTPLAIGO Project: Presentation of Results, Pilot Actions, and Next Steps
- Advancing Disaster Risk Reduction through Earth Observation and Geospatial Technologies
- The Earth Observation Data Ground Station in Cyprus Workshop: Strengthening Cyprus's Role in European Earth Observation Operations
- Addressing Coastal Erosion and Flooding of Beaches with Tourist and Ecological Importance Using Environmentally Friendly Methods in Light of Climate Change

[5] The 7th Annual Excelsior Workshop brought together researchers, policymakers, and stakeholders working in EO and related geospatial technologies. The workshop focused on advancing EO applications for climate change, security, and sustainable development, with particular emphasis on transforming satellite data into operational services and actionable "Earth Intelligence" for decision-making. It provided a platform for presenting ongoing results from the EXCELSIOR H2020 Teaming project and related initiatives, fostering dialogue on innovation, capacity building, and regional cooperation in the EMMENA region, while strengthening links between research infrastructures and end-user communities. More details will be available in D9.15, due to 31/12/2027.

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- 5th CARBONICA Brain Gain Conference "From Diaspora Insights to Local Action: Advancing Carbon Farming for Resilient Agriculture in Cyprus"
- Industry Session Workshop: Earth Observation and Space Applications
- Space BIC Workshop: Advancing Space Entrepreneurship under Cyprus EU Presidency
- Space and Trustworthy AI workshop (ENFIELD)
- CAMS NCP Cyprus Workshop: Air Quality Data and Digital Platforms for Operational Use

A highlight of the conference was the presentation of awards for outstanding oral and poster contributions.

Best Oral Presentation Awards:

1. Felix Bachofer - *Spatio-Temporal Vegetation Dynamics and Climate Drivers in Cyprus: A Multi-Decadal Analysis Using Remote Sensing and Causal Inference*
2. Friederike Jürcke - *Remote sensing for archaeological site monitoring in Africa: Barriers and solutions* & Eleftheria Kalogirou - *Cross-Border Cooperation for Monitoring and Evaluation of Maritime Spatial Planning*
3. Trisani Biswas - *Dynamics of Amplitude and Phase Scintillation Through Multi-Year Observation from Cyprus* & Konstantinos Chrysostomou - *High-Resolution Validation of MONARCH Dust forecasts during strong dust episodes: Leveraging EarthCARE ATLID and CARO NF measurements*

Best Poster Presentation Awards:

1. Efthymios Georgiou - *Development of a Solar Cadastre Application for Rooftop Photovoltaic Potential Assessment and Optimal System Sizing*
2. Eleni Loulli - *From Multispectral to Hyperspectral EO: Detecting Early Stress in Olive Groves with EnMAP*
3. Iskren Ivanov - *From Multispectral to Hyperspectral: A Benchmarking Study of Crop Mapping Consistency between Sentinel-2 and PRISMA*



Figure 9: Participants at RSCy 2026 conference.

This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 857510.

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Figure 10: Moments from RSCy 2026 conference.

2.5 Evolution of the RSCy conference series

The data collected from the RSCy conferences between 2023 and 2025 highlight a clear and consistent upward trajectory in overall participation, ECoE engagement, and the breadth of scientific and thematic activities offered through satellite workshops. Over the four years, the number of conference participants increased significantly (Table 2). This substantial growth indicates the conference's expanding reputation, successful outreach efforts, and its increasing importance within the scientific and professional remote sensing community. ECoE's involvement also grew steadily, demonstrating the Centre's rapid expansion, expanding research teams, and broader institutional commitment to showcasing scientific work at RSCy. It also reflects ECoE's maturing role as a leading research hub nationally and internationally. Despite tensions in the Middle East during spring 2026, which led to the cancellation of several flights to and from Cyprus, the hybrid format of RSCy 2026, combined with increased engagement from local stakeholders, ensured sustained participation. As a result, the total number of participants was maintained at a level slightly higher than that of the 2025 edition.

The number of abstracts submitted fluctuated across the three years. While there was a decline in 2024, submissions rebounded strongly in 2025 and 2026, suggesting successful efforts to re-engage the scientific community and possibly a widening of thematic areas and improved promotional strategies for the 2025 and 2026 conferences, despite the geopolitical challenges in the Middle East in 2026. The number of satellite workshops increased steadily each year, highlighting the conference's diversification and its ability to attract specialised scientific communities. It also reflects the growing interest of partner organisations and project consortia in leveraging RSCy as a platform for targeted

scientific and policy-oriented discussions. In total 207 conference proceeding papers were published between 2023 and 2025 authored by more than 900 researchers, while another approximately 80 conference proceeding papers are expected to be published this year.

Table 2: Evolution summary of the RSCy conference series since 2023.

Conference	Participants (ECoE)	Abstracts Submitted	Number of Satellite Workshops
RSCy 2023	162 (28)	137	3
RSCy 2024	185 (54)	101	6
RSCy 2025	262 (73)	134	9
RSCy 2026	283 (88)	149	10

2.6 41st Earth Observation for Environmental Monitoring (EARSeL) Symposium

The 41st EARSeL Symposium, held from 13–16 September 2022 in Paphos, Cyprus, focused on the theme Earth Observation for Environmental Monitoring. Hosted at the Aliathon Holiday Village near the historic Paphos harbour, the event brought together researchers, practitioners, and organisations involved in EO and remote sensing. Organised by the European Association of Remote Sensing Laboratories and ERATOSTHENES Centre of Excellence, the symposium offered a comprehensive scientific program built around the role of EO in addressing environmental and societal challenges. Sessions covered atmospheric remote sensing, hydrology and water resources, soil degradation, forests and agriculture, food security, disaster risk reduction, climate change, desertification, marine monitoring, marine spatial planning, and the application of geoinformatics, digital twins, and smart-city technologies. Emerging technological themes, such as artificial intelligence, big Earth data analytics, drones, spectroscopy, and sensor innovation, were woven throughout the program.

The event commenced on 13 September with a keynote lecture by Professor Ioannis Gitas, who presented a Mediterranean perspective on EO applications in forest-fire management. A dedicated special session on wildfire monitoring complemented this keynote. In addition to the symposium, the organisers hosted the Sixth EARSeL Workshop on Developing Countries, which focused on EO applications in the Global South, reflecting EARSeL's commitment to expanding capacity and promoting EO accessibility worldwide. The Book of Abstracts published for the symposium showcased the diversity of contemporary research, ranging from methodological innovations to operational applications that support sustainable development goals. Various European initiatives were represented, including work from the Copernicus program; a highlighted contribution was a presentation on digital twin technologies and urban resilience from the CURE project.

The conference brought together 126 participants from 26 countries, reflecting the international character of the event. This diverse group included researchers and stakeholders across the Earth Observation community, creating a rich environment for exchange and collaboration. The broad geographic representation (Figure 12) underscored the global relevance of remote sensing and

environmental monitoring, while also strengthening cross-border scientific networks and fostering new partnerships that extend well beyond the symposium itself.



Figure 11: Participants at the 41st EARSeL Symposium.

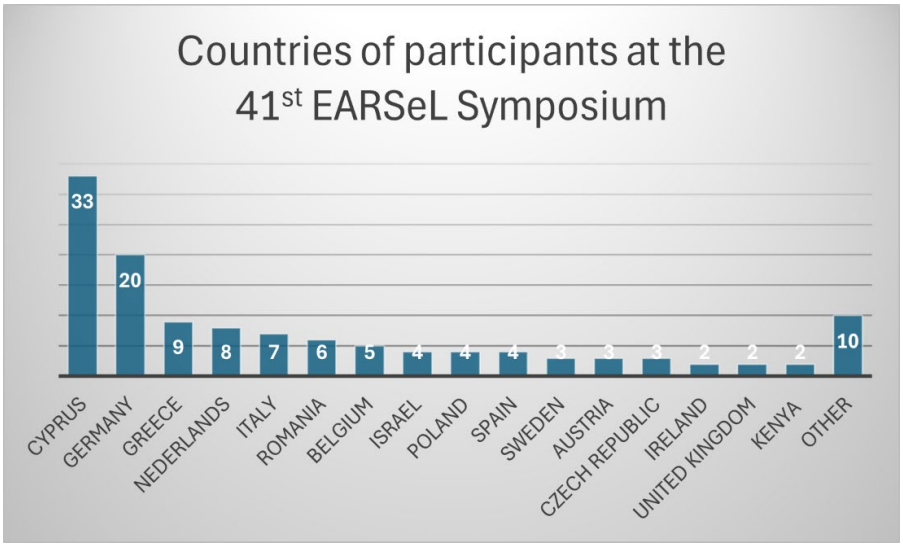


Figure 12: Countries of participants at the 41st EARSeL Symposium. Other countries include one participant from Australia, Brazil, Canada, France, Norway, Portugal, Serbia, Slovakia, Ukraine and USA.

Overall, the 2022 EARSeL Symposium served as a hub for scientific exchange, policy discussion, and technological advancement in Earth Observation. It highlighted significant trends, including the integration of AI, advances in sensor technologies, and growing interest in digital twins, while continuously linking these developments to pressing environmental issues such as climate change, food and water security, disaster resilience, and environmental monitoring in both developed and developing regions.

This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 857510.

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2.7 17th International Conference on Meteorology, Climatology & Atmospheric Physics (COMECAP)

The International Conference on Meteorology, Climatology, and Atmospheric Physics (COMECAP 2025) took place in Nicosia, Cyprus, from 29 September to 1 October 2025, in a hybrid format. Organised by the Hellenic Meteorological Society (HMS) and ECoE, the conference continued COMECAP's long-standing tradition of fostering scientific exchange in the geosciences. The conference was supported by Cyprus University of Technology, University of Cyprus, the Mariolopoulos-Kanaginis Foundation for the environmental sciences, Frederick University, Department of Meteorology and CARE-C at The Cyprus Institute. Prof. Diofantos Hadjimitsis and Dr Silas Michaelides served as vice-chairman and executive secretariat, respectively.

COMECAP 2025 brought together leading experts and researchers to present and discuss cutting-edge research on a wide range of topics. Key areas of focus included meteorology, applied and theoretical climatology, atmospheric physics, climate change and its socioeconomic impacts, air quality and pollution, extreme weather and disaster risk reduction, and the relationships among climate, health, energy, ecosystems, and agriculture. The scientific programme spanned numerous fields: from applied meteorology and the atmospheric boundary layer to meso- and synoptic meteorology, remote sensing, cloud physics, hydrology, palaeoclimatology, ultraviolet radiation, and weather modification. COMECAP 2025 placed strong emphasis on the socio-economic dimensions of climate change, addressing how extreme weather, disaster risk management, air quality, renewable energy, and climate-related stressors affect agriculture, ecosystems, and public health. The conference was designed as a multidisciplinary forum where scientific knowledge met policy and practice, with the explicit aim of strengthening international collaboration, fostering innovation, and promoting climate solutions that deliver tangible benefits to society.

The event attracted a diverse audience, bringing together participants from multiple countries across Europe and the wider region, including scientists, policymakers, practitioners, and representatives of research institutions and operational services. This international participation underscored the global relevance of the challenges discussed and highlighted the value of cross-border cooperation in addressing climate and atmospheric risks. It was attended by Cyprus's Minister of Agriculture, Rural Development, and Environment, Maria Panayiotou, who outlined key national initiatives underway in Cyprus. These include investments in agrometeorological services, the adoption of advanced digital tools for natural resource management and strengthened collaboration with national and international universities and research centres. She emphasised that these efforts aim to enhance food security, protect biodiversity, and ensure the sustainable management of water resources in the face of a changing climate.

In total, 80 scientific papers were submitted and published in the journal *Environmental and Earth Sciences Proceedings*, while 80 oral presentations, 65 online talks, and 65 poster presentations were presented. The conference agenda is available in Appendix G.

This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 857510.

This project has received funding from the Government of the Republic of Cyprus through the Directorate General for the European Programmes, Coordination and Development as well as the Cyprus University of Technology.



Figure 13: Participants at the COMECAP 2025 conference, organised by ECoE and the Hellenic Meteorological Society.

2.8 1st India-Cyprus Space Day

The **1st India-Cyprus Space Day** was a landmark virtual event held on **18 May 2026**, bringing together government agencies, research institutions, industry representatives, and space-sector stakeholders from India and Cyprus. The event was co-organised by the ERATOSTHENES Centre of Excellence, the EXCELSIOR H2020 Teaming Project, and IN-SPACe under the auspices of Cyprus' Deputy Ministry of Research, Innovation and Digital Policy, with support from the High Commission of India in Nicosia. The event marked the first dedicated bilateral space collaboration forum between India and Cyprus, representing a historic step toward strengthening cooperation in space technology, research, innovation, and commercial opportunities. More than 40 participants represented companies from India, Cyprus and Greece, government officials from Cyprus and India, industry associations and research organisations. It was positioned as a platform to connect organisations from both countries and facilitate long-term partnerships in one of the fastest-growing global technology sectors. The initiative also aligned with Eratosthenes and Cyprus' broader ambitions to expand its role in the international space ecosystem, particularly following its growing engagement with European and global space institutions. Organisers highlighted that the event supports Cyprus' journey toward deeper participation in European space activities and international partnerships.

The event aimed to establish direct connections between Indian and Cypriot space organisations, identify joint research and innovation opportunities, encourage participation by startups, universities, and private companies, and create pathways for future bilateral projects in Earth observation, satellite services, space technology commercialisation, and lay the foundation for a long-term India–Cyprus space cooperation framework. The discussions focused on space technology applications for business and economic development; Earth observation and remote sensing; innovation and commercialisation

opportunities; research collaboration between Indian and Cypriot institutions; industry networking and partnership building; national space policies and ecosystem development; and emerging opportunities for startups and private-sector participation in space activities.

For ECoE, this event represented a strategically important opportunity to strengthen its international footprint and position itself as a bridge between the European and Asian space ecosystems. While ECoE has built strong partnerships with ESA and NASA, collaboration with organisations such as ISRO and IN-SPACe open new pathways for scientific excellence, technology development, and access to one of the world's fastest-growing space ecosystems. The event enabled the Centre to showcase its research capabilities, infrastructure, and innovation activities to Indian governmental agencies, research institutions, and private space companies, while exploring opportunities for joint research projects, technology transfer, talent exchange, and commercial collaborations. Furthermore, by co-organising the event, ECoE reinforced its role as a key driver of Cyprus' emerging space ecosystem and its mission to establish Cyprus as a regional hub for space science, Earth observation, and downstream space applications. The initiative also aligns with ECoE's long-term strategy to build global partnerships that enhance scientific excellence, attract international funding, support innovation, and expand the societal and economic impact of space technologies across Europe, the Eastern Mediterranean, and beyond.



Figure 14: 1st India - Cyprus Space Day organized by ECoE and EXCELSIOR, IN-SPACe, High Commission of India and the Cyprus Deputy Ministry of Research, Innovation and Digital Policy.

2.9 Events organized under the umbrella of the Cyprus Presidency for the European Council

The first half of 2026 marked a particularly important period for Cyprus, which held the Presidency of the Council of the European Union from 1 January to 30 June 2026. In this context, ECoE, together with the EXCELSIOR project and a broad network of national and international partners, played an active role in supporting the Presidency programme by organising a series of high-profile scientific, policy, and innovation events. These activities provided a unique opportunity to showcase Cyprus's growing capabilities in EO, space technologies, environmental monitoring, research excellence, and innovation, while facilitating dialogue among policymakers, researchers, industry representatives, entrepreneurs, and international organisations.

This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 857510.

This project has received funding from the Government of the Republic of Cyprus through the Directorate General for the European Programmes, Coordination and Development as well as the Cyprus University of Technology.

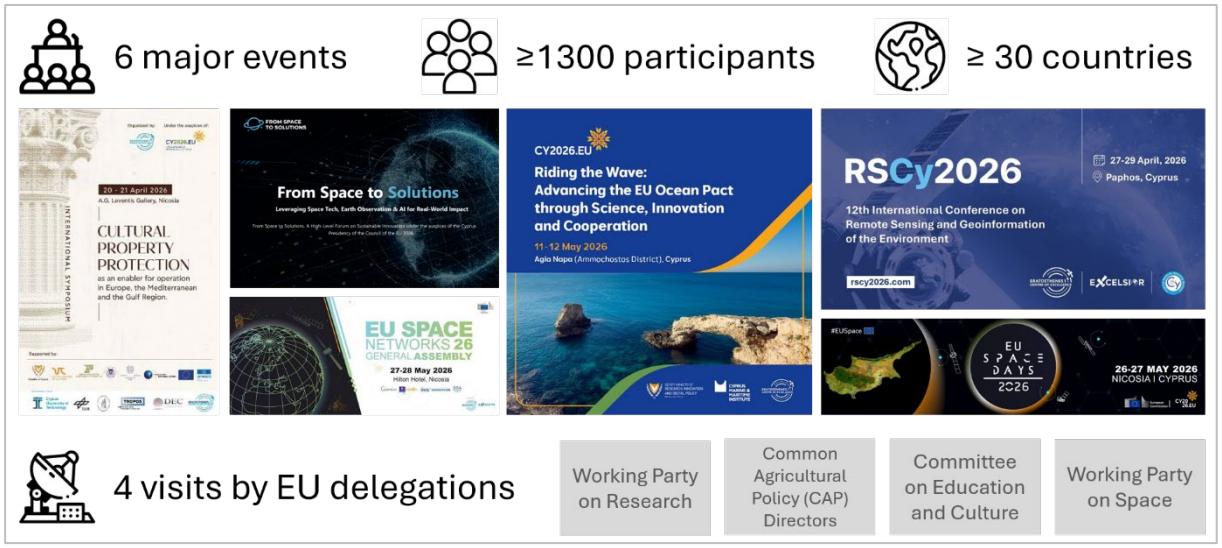


Figure 15: Summary of the events organised under the umbrella of the Cyprus Presidency for the European Council

The Presidency-related events brought together more than 1,300 participants and featured over 180 high-level speakers and institutional representatives from across Europe and beyond, including the European Commission and other European institutions, ESA, governmental organisations, embassies and diplomatic missions, as well as international academic, research, and industry organisations. Through this broad participation, ECoE facilitated dialogue between policy, research, industry, and entrepreneurship communities, creating a unique platform for knowledge exchange, collaboration, and the development of new partnerships. The strong representation of international stakeholders further demonstrated the growing recognition of Cyprus and ECoE as credible actors within the European research, innovation, and space ecosystems.

The events also addressed several strategic priorities of the European Union, including the implementation of the EU Ocean Pact, the protection of cultural heritage, the advancement of European space policy and the exploitation of Earth Observation technologies, as well as priorities related to climate resilience, innovation, and entrepreneurship.

This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 857510.

This project has received funding from the Government of the Republic of Cyprus through the Directorate General for the European Programmes, Coordination and Development as well as the Cyprus University of Technology.



Figure 16: Total numbers of high-level speakers and institutional representatives involved in the Presidency-related events

The following sections provide additional details on the individual events, illustrating the breadth of ECoE's contribution to the Presidency.

2.9.1 12th International Conference on Remote Sensing and Geoinformation of Environment (RSCy 2026)

See Section 2.4 in this report.

2.9.2 Cultural Property Protection as an Enabler for Cooperation in Europe, the Mediterranean and the Gulf Region

The International Symposium "Cultural Property Protection as an Enabler for Cooperation in Europe, the Mediterranean and the Gulf Region" was held on 20 April 2026 at the A.G. Leventis Gallery in Nicosia, Cyprus. The event addressed the growing challenges posed by illicit trafficking, looting, illegal excavations, and other threats affecting cultural property and cultural heritage across Europe and neighbouring regions. The symposium also facilitated dialogue between EU institutions, Member States, international organisations, law enforcement authorities, researchers, and cultural heritage professionals. Emphasis was placed on strengthening cooperation among Europe, the Eastern Mediterranean, the Middle East, North Africa, and the Gulf region to address increasingly complex cultural property protection challenges. The event was supported by the Cyprus Deputy Ministry of Culture, the Cyprus Department of Antiquities, the Cyprus Police, the UNESCO Cyprus National

Commission, the EU External Action, the Embassy of Italy in Cyprus, and the EU Representation in Cyprus.

The programme featured contributions from distinguished representatives of the European Commission, the European External Action Service (EEAS), ICOM, ICCROM, UNODC, INTERPOL, OSCE, the Deputy Ministry of Culture of Cyprus, the Cyprus Police, and other national and international institutions. Discussions focused on four thematic areas: (i) policies and legal frameworks for cultural property protection; (ii) criminological perspectives on heritage crime; (iii) operational procedures and best practices in enforcement; and (iv) innovative technological solutions for the detection, monitoring, and prevention of illicit trafficking, looting, illegal excavations, and other threats affecting cultural property.

The symposium highlighted Cyprus's strategic role as a regional hub for cultural property protection and international cooperation at the crossroads of Europe, the Eastern Mediterranean, the Middle East, North Africa, and the Gulf region. Particular attention was given to innovative approaches for protecting cultural property and preventing illicit trafficking. These included the use of digital technologies, artificial intelligence, remote sensing, geospatial analysis, forensic methodologies, and international law-enforcement cooperation mechanisms. The discussions also examined how these tools and approaches can strengthen monitoring, documentation, risk assessment, investigation, and heritage protection frameworks. Through expert presentations, panel discussions, and networking sessions, participants exchanged best practices, examined emerging threats, and discussed practical responses to the challenges facing cultural heritage. The symposium also created opportunities to strengthen institutional networks and identify areas for future cooperation among public authorities, law-enforcement bodies, researchers, cultural heritage professionals, international organisations, and technology providers. The event attracted 64 participants, including 29 international speakers from several countries, and contributed to raising awareness of cultural property crime, strengthening professional networks, promoting European values related to cultural heritage protection, and fostering closer cooperation among stakeholders at the local, regional, and international levels.

The event was co-funded by the Representation of the European Commission in Cyprus and contributed directly to raising awareness of EU policies, priorities, and actions related to the protection of cultural property and cultural heritage. It promoted key European values, including respect for cultural diversity, protection of shared heritage, international cooperation, the rule of law, and the fight against illicit trafficking and organised crime. Through expert presentations and discussions, participants gained insight into the European Union's efforts to strengthen cultural property protection, foster cross-border cooperation, and support international frameworks to prevent the illicit trafficking of cultural goods and safeguard at-risk heritage. The European Union was represented at both institutional and technical levels.

The Opening Ceremony included remarks by Dr. Panicos Pourgourides, Head of the Representation of the European Commission in Cyprus, while the programme featured contributions from representatives of the European Commission and the European External Action Service (EEAS), who presented ongoing EU initiatives, policy priorities, and cooperation mechanisms relevant to cultural property protection. Other keynote speakers included H.E. Vassiliki Kassianidou (Deputy Minister of

Culture of Cyprus), H.E. Antonella Cavallari (Ambassador of Italy in Cyprus), Dr. Katariina Leinonen (Head of Division – Integrated Approach for Peace and Security European External Action Service), Ms Medea Sogor Ekner (ICOM Director General), Mr. Abdullatif Mohammed Al-Jasmi (Director of Cultural Heritage Protection – Qatar Museums), Maxim Nasra (Head of Preservation and Conservation at Qatar National Library), Lujza Varga (Leader of the department for international cooperation at the Hungarian National Museum), Alfio Gullotta (Policy Officer, External European Action Service), Efthymios Shaftacolas (Archaeological Officer at the Department of Antiquities of Cyprus), and Prof. Diofantos Hadjimitsis (Managing Director, ECoE). The event agenda is available in Appendix H.

Overall, the symposium:

- Increased awareness of threats posed by illicit trafficking and looting of cultural property
- Promoted EU values related to cultural heritage protection, rule of law, international cooperation, and cultural identity
- Strengthened dialogue among policymakers, cultural heritage professionals, law enforcement agencies, academics, and civil society organisations
- Showcased innovative technological solutions, including remote sensing, digital documentation, AI-based tools, and forensic approaches for cultural property protection
- Enhanced networking opportunities and laid the groundwork for future collaborations and EU-funded initiatives
- Reinforced Cyprus' position as a regional centre for cultural property protection and international cooperation.



Figure 17: Participants at the Cultural Property Protection as an Enabler for Cooperation in Europe, the Mediterranean and the Gulf Region.

2.9.3 Riding the Wave: Advancing the EU Ocean Pact through Science, Innovation and Cooperation

The international conference "Riding the Wave: Advancing the EU Ocean Pact through Science, Innovation and Cooperation" was organised as a flagship event under the Cyprus Presidency of the Council of the European Union 2026. The conference took place on 11–12 May 2026 in Ayia Napa, Cyprus, bringing together leading representatives from European institutions, research organisations, maritime industries, innovation ecosystems, investment communities, and policy bodies to shape the future of Europe's Ocean agenda. The event served as a high-level European platform to strengthen

connections among ocean science, policy implementation, technological innovation, and sustainable blue growth. It directly supported the implementation of the EU Ocean Pact, the EU Mission "Restore our Ocean and Waters", and the objectives of the United Nations Decade of Ocean Science for Sustainable Development. The conference was co-organised by the Deputy Ministry of Research, Innovation and Digital Policy of the Republic of Cyprus, Cyprus Marine and Maritime Institute (CMMI) and ECoE, under the auspices of the Cyprus Presidency of the Council of the European Union 2026, and endorsed by the Ocean Decade Actions as part of the UN Decade of Ocean Science for Sustainable Development. The conference included approximately 290 participants representing more than 30 nationalities, including representatives from European institutions, national ministries, research organisations, universities, maritime industries, blue economy clusters, investors, start-ups, NGOs and international ocean initiatives. The conference brought together policymakers, representatives of European institutions, scientists, industry leaders, investors, research infrastructures and innovation stakeholders from across Europe and the Mediterranean region. Through keynote speeches, high-level panel discussions, thematic workshops, technology showcases, and networking activities, the event provided a multidisciplinary platform to strengthen connections among marine science, policy implementation, investment, and the market deployment of sustainable blue economy solutions.

The conference opened with institutional welcome addresses delivered by Dr Nicodemos Damianou, Deputy Minister of Research, Innovation and Digital Policy of the Republic of Cyprus; Theodoulos Mesimeris, Acting Permanent Secretary of the Shipping Deputy Ministry; Zacharias Siokouros, Chief Executive Officer of the Cyprus Marine and Maritime Institute (CMMI); and Professor Diofantos Hadjimitsis, Managing Director of the ERATOSTHENES Centre of Excellence. The opening keynote address was delivered by Costas Kadis, European Commissioner for Fisheries and Oceans, who emphasised the strategic importance of ocean governance, marine biodiversity protection and sustainable blue growth within the framework of the EU Ocean Pact and Europe's climate objectives. A key thematic session entitled "From Ocean Knowledge to Policy Impact" featured senior representatives from leading European marine organisations, including Wiebke Pankauke Deputy Head of Unit "Ocean, Seas and Waters" at DG MARE of the European Commission, Vicente Fernandez Lopez, Policy Officer at the Directory-General for Maritime Affairs and Fisheries, Karina von Schuckmann from Mercator Ocean International, Sheila Heymans, Executive Director of the European Marine Board, Kate Larkin, Head of the European Marine Observation and Data Network (EMODnet), and Daniel Hayes, Marine Sciences Research Director at CMMI.

Discussions focused on the role of marine data, ocean observation systems, digital infrastructures and scientific research in supporting evidence-based policymaking and implementation of the EU Ocean Pact. The conference programme also addressed major themes including marine biodiversity protection, ecosystem restoration, marine pollution mitigation, climate adaptation, maritime decarbonisation and blue economy governance. Speakers and participants emphasised the importance of interdisciplinary collaboration, regional cooperation, and stronger links among science, policy, and industry to support a sustainable and resilient ocean economy. Alongside the policy sessions, the event hosted innovation exhibitions, blue technology demonstrations, and networking activities that showcased European marine technologies and research infrastructures.

The second day of the conference focused on the blue investment challenge and the commercialisation of ocean technologies. A keynote address by Ioannis Tsakiris, Vice-President of the European Investment Bank (EIB), explored financing mechanisms and investment opportunities for sustainable blue growth and maritime innovation. Additional speakers included Frank Schweikert founder and director of the German Ocean Foundation, Spyros Kouvelis, Member of the Board of the EU Mission 'Restore our Oceans and Waters by 2030', Ruben Eiras from Fórum Oceano Portugal, and representatives from research, investment and entrepreneurship organisations across Europe. Discussions focused on scaling innovative marine technologies, supporting start-ups and SMEs, strengthening public-private partnerships and mobilising investment for the sustainable blue economy. ECoE staff Kyriacos Themistocleous and Michalis Mavrovouniotis served as keynote speakers at a dedicated session titled "From Research to Market: Innovation Success Stories of European Ocean Technologies", which showcased successful examples of European marine research progressing towards operational deployment and commercialisation. Christodoulos Mettas also featured as a keynote speaker at the plenary session Advancing Ocean Governance through Science and Innovation: Strengthening Ocean Governance for the EU Ocean Pact.



Figure 18: Participants at Riding the Wave: Advancing the EU Ocean Pact through Science, Innovation and Cooperation.

2.9.4 EU Space Days 2026, 26-27 May 2026

The EU Space Days are the most significant annual event of the European Union in terms of space policy, business and innovation. This year's edition took place in Nicosia from 26 to 27 May 2026 and was co-organised by the European Commission and the EXCELSIOR partner DEC-DMRID, in its capacity as the Cyprus Space Office, under the auspices of the Cyprus Presidency of the Council of the EU. Although not directly involved in the organisation of the event, ECoE and EXCELSIOR had an active participation and significant contribution to the event, which brought together high-level decision-makers, industry leaders, entrepreneurs, and researchers to explore the impact of the EU Space Programme, including Galileo, Copernicus, and emerging initiatives in EO, defence, and digital

innovation. Through its active presence, ECoE engaged in dialogue, showcased advanced capabilities, and reinforced its role as a key contributor to the European and regional space ecosystem.

During the session "Space Infrastructure in EU Member States," Prof. Diofantos Hadjimitsis, Managing Director of ECoE, participated in a high-level panel discussion, where he had the opportunity to highlight the Centre's infrastructure, applications, and strategic vision, emphasising Cyprus' growing role within the European space domain. His intervention featured key infrastructure, including EarthView Cyprus (satellite Data Acquisition Station), the Cyprus Atmospheric Remote Observatory (CARO), and the Cyprus Earth Observation Data Cube, enabling near-real-time EO capabilities across the EMMENA region. Innovative applications including PRECiRRI for precision agriculture and NADI-RISK for disaster risk management were also showcased, alongside the Space BIC programme supporting entrepreneurship. Special emphasis was placed on the EXCELSIOR project, which established ECoE as a regional hub for EO and space technologies.







Figure 19: Moments from the EU Space Days 2026, with the participation of ECoE staff.

A key contribution was also delivered by Dr. Kyriacos Themistocleous, External Affairs & Business Development Director, during the Agora session "Using Copernicus Data – Copernicus World Heritage Hub." His intervention highlighted Cyprus's experience in applying EO for cultural heritage protection,

showcasing the value of EO data in monitoring and safeguarding archaeological sites. The presentation also introduced ECoE's broader activities in environmental intelligence, sustainable land management, and EO services, including EarthView Cyprus's capabilities for supporting near-real-time data access and analysis across the EMMENA region.

In addition, the Centre's impact on innovation and entrepreneurship was demonstrated through the participation of two startups supported by the Space BIC by ERATOSTHENES CoE programme, namely Periopsis and Orizontas (Altair Astronomy Ltd), in the Agora CASSINI Pitching Session. The startups presented their ideas to an audience of investors, public authorities, and industry stakeholders, thereby promoting cutting-edge solutions in the space sector. Their participation highlighted the effectiveness of the Space BIC framework in fostering innovation, supporting high-potential ventures, and strengthening Cyprus' position within the European space entrepreneurship ecosystem.

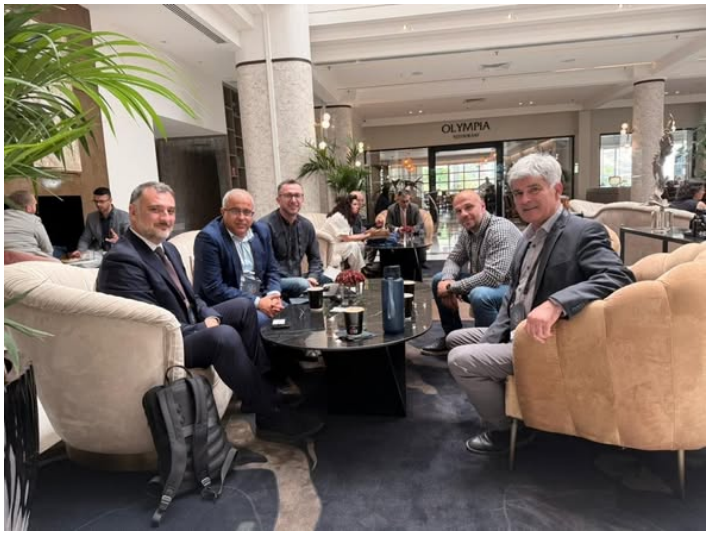


Figure 20: Photo from the meeting between ECoE, the Italian Space Agency and DEC-DMRID.

During the EU Space Days 2026, ECoE also held several bilateral meetings with international stakeholders. One of the highlights was the opportunity to host an unofficial meeting bringing together Dr. Danilo Rubini from the Italian Space Agency, Mr. George Komodromos from DEC-DMRID and the Managing Director of ECoE, Prof. Diofantos Hadjimitsis. The meeting was a valuable opportunity to exchange experiences, explore potential avenues for collaboration, and lay the foundations for future partnerships at different levels across the space sector, the research ecosystem, and the industrial community. The connection was facilitated by H.E. Ambassador of Italy in Cyprus Ms. Cavallari, continuing the embassy's support in strengthening the cooperation between Cyprus and Italy in the space arena, and fostering synergies among research institutions, public stakeholders, and industrial actors.

2.9.5 General Assembly for the EU Space Networks, 27-28 May 2026

The General Assembly of the EU Space Networks was a closed event organised immediately following the 2026 EU Space Days in Nicosia, Cyprus. Hosted with the support of ECoE and the European Commission Directorate General for Defence Industry and Space (DG DEFIS), and under the auspices of the Cyprus Presidency of the EU Council, the event brought together members of the EU Space

Networks—including Copernicus Ambassadors and Academies, Galileo and EGNOS Ambassadors, newly appointed SSA/STM Ambassadors, representatives of European institutions, research organizations, industry stakeholders, and selected international partners for two days of strategic dialogue, networking, and collaboration-building. More than 50 participants attended onsite, with a further 120 participants attending online. This event highlighted the strategic role of space technologies in supporting sustainable development, resilience, societal well-being, and international cooperation. Participants helped shape the future direction of the EU Space Networks by identifying emerging needs, opportunities for collaboration, and priorities for enhanced network support. The event successfully strengthened engagement across the EU Space Networks community and further consolidated cooperation among stakeholders from academia, industry, public authorities, and European institutions.

The programme opened with welcome remarks from local and European representatives, including the Mayor of Nicosia, Mr Charalambos Prountzos, the Managing Director of ECoE Prof. Diofantos Hadjimitsis, and Mr Julien Turpin, deputy head of unit at the European Commission's Directorate-General for Defence Industry and Space. The opening sessions highlighted Cyprus' growing role within the European space ecosystem and provided participants with an overview of the Assembly's objectives and expected outcomes. A central theme throughout the Assembly was the contribution of space to security, resilience, and crisis management. Discussions explored how EU space assets support border surveillance, disaster risk reduction, emergency response, and operational coordination, drawing on expertise from agencies such as Frontex and the United Nations Platform for Space-based Information for Disaster Management and Emergency Response (UN-SPIDER) The event also emphasized the human dimension of the space sector through dedicated sessions on diversity and inclusion, featuring perspectives on women's participation in aerospace and practical approaches to fostering a more inclusive European space community. Inspirational talks highlighted lessons learned from the Earth Observation ecosystem and demonstrated how space technologies can engage schools, public authorities, and society more broadly.

A key component of the Assembly was the interactive EU Space Networks consultation session, during which members discussed the future development of the networks. Participants examined emerging opportunities for collaboration, reflected on existing activities, and provided structured feedback to representatives of the European Commission on priorities, gaps, and expectations regarding future network services and support mechanisms. The programme further showed practical examples of innovation and collaboration through a series of member presentations and matchmaking activities. These sessions highlighted successful applications of Earth Observation and satellite navigation technologies, synergies between Copernicus and Galileo, and collaborative projects addressing agriculture, climate monitoring, hydrology, and lunar navigation.

On the second day of the assembly, discussions focused on emerging strategic priorities for the EU Space Programme. Sessions explored the intersection of Copernicus and Artificial Intelligence, national approaches to Copernicus uptake and resilience, regional space ecosystems, and international partnerships. Participants examined how AI-enabled services and Earth Observation data can generate new operational capabilities and support evidence-based decision-making across multiple sectors. The Assembly also addressed evolving policy areas including Space Situational Awareness (SSA), Space

Traffic Management (STM), and secure satellite connectivity. Discussions reflected recent developments in Europe's SSA framework, the growing importance of STM governance, and the operational launch of the GOVSATCOM Hub. Interactive exchanges allowed participants to share operational needs and perspectives on the future of secure governmental satellite communications and resilience services. Beyond the conference sessions, participants were offered technical visits to key Cypriot space infrastructures, including the Eratosthenes Earth Observation satellite receiving station, facilities supporting the EU GOVSATCOM initiative, and the Galileo Medium Earth Orbit Local User Terminal (MEOLUT). These visits provided practical insights into the operational dimension of European space services and Cyprus' contribution to the EU space ecosystem.



Figure 21: Participants at the General Assembly for the EU Space Networks 2026 (top). Visit to DAS station organized during the General Assembly for the EU Space Networks 2026 (bottom left). Panel discussion organized during the Copernicus & Artificial Intelligence pitch session (bottom right).

2.9.6 From Space to Solution: Leveraging Space Tech, Earth Observation & AI for Real-World Impact

The From Space to Solutions Forum, held on 8 June 2026 at The Landmark Nicosia, Cyprus, brought together distinguished representatives from government, academia, industry, international organisations, and the entrepreneurial community to examine how EO, AI, Big Data Analytics, and space technologies can address some of society's most pressing challenges. Organised under the auspices of the Cyprus Presidency of the Council of the European Union 2026, the forum served as a high-level platform for dialogue on the practical applications of space technologies in support of

economic competitiveness, environmental sustainability, disaster resilience, defence, and maritime security. Throughout the discussions, participants emphasised that the future value of the space sector lies not merely in generating data from orbit, but in converting that data into actionable intelligence that supports informed decision-making and delivers tangible benefits to citizens.

The event co-organised by ECoE and Cyprus Chamber of Commerce and Industry also reinforced Cyprus' strategic ambition to position itself as a regional hub for Earth Observation and geospatial services serving the EMMENA region. The event was sponsored by the German Embassy in Cyprus (Platinum Sponsor), Pixxel (Gold Sponsor), cl8 (Strategic Sponsor) and Geomatics (Strategic Sponsor), and supported by the Cyprus Defence and Space Industry Cluster.

Opening remarks by national and international stakeholders including Mr. Stavros Stavrou (President, Cyprus Chamber of Commerce & Industry), Mr. Demetris Skourides (Chief Scientist for Research & Innovation, representing H.E. President of the Republic of Cyprus, Mr. Nikos Christodoulides), Mr. Charalambos Prountzos (Mayor of Nicosia), Mr. Costas Mavrides (MEP), Prof. Diofantos Hadjimitsis (Managing Director, ECoE), ambassadors and/or embassy representatives from Germany, Hungary and Italy, and representatives from several EU initiatives, highlighted the increasing importance of space technologies in advancing Europe's digital sovereignty and green transition. Speakers emphasised the need to strengthen public-private partnerships, promote innovation ecosystems, and accelerate the commercialisation of research outcomes.

A notable announcement during the forum was the establishment of EARTHVIEW CYPRUS, a joint initiative between the ERATOSTHENES Centre of Excellence and CYTA, aimed at commercially exploiting the Satellite Data Acquisition Station (sDAS) and expanding Cyprus' role in delivering Earth Observation services at regional and international levels.



Figure 22: Official announcement during the Space to Solutions Forum of the joint venture between ECoE and CYTA for the commercial exploitation of the satellite Data Receiving Station.

The From Space to Solutions Forum featured three high-level panels with distinguished moderators and panellists.

High Level Panel I: Space Tech, Earth Observation, AI & Big Data Analytics: The first panel focused on how emerging digital technologies are reshaping economies and creating new opportunities for innovation by integrating space-derived information. Panellists explored how artificial intelligence and machine learning are transforming the processing and interpretation of satellite data, enabling organisations to derive insights faster and more efficiently. Discussions highlighted the importance of cloud infrastructure, digital platforms, and open data policies in democratising access to Earth Observation data. Representatives from ESA and national innovation ecosystems stressed the importance of supporting startups and facilitating technology transfer mechanisms that convert scientific achievements into market-ready solutions. The discussion also addressed Europe's need to develop sovereign technological capabilities while remaining globally competitive. Participants agreed that future economic growth will increasingly depend on the ability to integrate EO, AI, and Big Data into decision-support systems that benefit governments, businesses, and society at large.

Moderator: Dr. Dirk Roland Haupt, Minister Counsellor & Chargé d'Affaires, German Embassy Nicosia,

Panellists:

- Mr. Andronikos Kakkouras, Acting Director, Department of Electronic Communications & Cyprus Space Office, Deputy Ministry of Research, Innovation and Digital Policy
- Mr. Gunter Schreier, EXCELSIOR Horizon 2020 Teaming Project, ERATOSTHENES CoE, Retired Deputy Director DLR German Remote Sensing Data Center
- Dr. Haris Kontoes, Research Director, IAASARS & National Observatory of Athens
- Mr. Jorge Pimenta, Innovation Director, Instituto Pedro Nunes & Director ESA BIC Centro, Portugal & Board member EIT Health & EBN Boards Member
- Mr. Kendeas Karantonis, Director of Space and Innovation, Hellas SAT
- Dr. Sotiris Alexandrou, Head of Satellite Services, International Wholesale, CYTA
- Ms. Vasiliki (Betty) Charalampopoulou, Director Geosystem Hellas & Geomatics Cyprus
- Dr. Michalis Mavrovouniotis, Deputy Coordinator, Big Earth Data Analytics, ERATOSTHENES Centre of Excellence
- Mr. Gerasimos Ntouskas, Board Member & Technology Consulting, KPMG Cyprus
- Mr. Aristos Andreou, Commercial Manager, Cloudlayer8 (CL8)

High Level Panel II: Agriculture, Natural Disasters, Climate Resilience, Net Zero & Sustainability: The second panel examined the critical role of Earth Observation in addressing climate change and supporting sustainable development objectives under the European Green Deal. Panellists discussed how satellite technologies are increasingly used in precision agriculture to optimise resource utilisation, improve productivity, and strengthen food security. Earth Observation applications in wildfire prevention, drought monitoring, flood assessment, and ecosystem management were presented as essential tools for enhancing societal resilience. The discussions emphasised the transition from reactive approaches toward predictive risk management. By combining satellite observations with advanced analytics, authorities can anticipate environmental threats and implement preventive measures before disasters occur. Participants also highlighted the importance of translating scientific knowledge into effective public policy and ensuring that environmental information reaches local authorities, farmers, emergency responders, and communities in accessible formats. The panel

concluded that achieving climate neutrality and sustainable development objectives requires sustained collaboration among governments, academia, industry, and civil society.

Moderator: Ms. Barbara Ryan, Earth Observations Advocate, Former Director WGIC, GEO Secretariat & WMO Space Programme, Board Member, ERATOSTHENES Centre of Excellence

Panelists:

- Dr. Joanna Drake, Deputy Director-General: Planet, People and Science for Policy & Acting Director: Clean Planet, DG-Research and Innovation, European Commission.
- Mr. Vincent Ambrosia, Department of Applied Environmental Sciences, College of Science, California State University - Monterey Bay & Retired Associate Program Manager - Wildfires, NASA Applied Science Program, NASA HQ
- Prof. Ioannis Gitas, Director of Lab of Forest Management and Remote Sensing, Dpt of Forestry and Natural Environment, Aristotle University of Thessaloniki
- Dr. Christiana Papoutsa, Deputy Coordinator, Environment & Climate, ERATOSTHENES Centre of Excellence
- Dr. Ivelina Kadiri, Vice-Chair, SEREN Space Life Sciences European Research Network
- Mr. Caio Miranda, Sales EMEA, Pixxel Space Technologies
- Mr. Yiannis Tsouloftas, Chairman, EOA Lemesos (Limassol District Local Government Org.)
- Dr. Michalis Omirou, Agricultural Research Officer A, Agrobiotechnology Section, Agricultural Research Institute of Cyprus

High Level Panel III: Defence, Maritime, Surveillance: The third panel addressed the expanding role of space technologies in supporting national security, maritime operations, and surveillance activities. Panellists observed that the rapidly evolving geopolitical landscape has elevated the importance of space-enabled situational awareness. Earth Observation capabilities, including optical imagery and Synthetic Aperture Radar (SAR), provide governments and operational agencies with critical information for border monitoring, crisis response, and strategic planning. The Eastern Mediterranean was identified as a particularly significant operational environment, as its concentration of commercial shipping routes, offshore energy infrastructure, environmental sensitivities, and geopolitical complexity creates a pressing need for integrated maritime domain awareness systems. Experts from the defence sector highlighted the growing contribution of commercial space services in complementing governmental assets. The convergence of EO data, Automatic Identification Systems (AIS), satellite communications, and artificial intelligence is enabling near-real-time monitoring of maritime activities and improving the detection of illegal fishing, pollution events, smuggling, and unauthorised vessel movements. Discussions also focused on dual-use technologies and the importance of fostering innovation ecosystems that can rapidly deliver operational capabilities. Representatives from government and industry emphasised that procurement frameworks must evolve to accommodate agile development cycles and facilitate collaboration with startups and small technology enterprises. The panel concluded that Europe's future resilience and strategic autonomy will depend on its ability to integrate public and private capabilities into trusted, interoperable systems that support both civilian and defence objectives.

Moderator: Dr. Constantinos Hadjisavvas, Digital Resilience and Defence Director, DIGITALEUROPE

Panellists:

- Dr. Panayiotis Hadjipavlis, Defence Director, Armaments and Defence Capabilities' Development, Ministry of Defence, Republic of Cyprus.
- Mr. Subhash Jangala, First Secretary, High Commission of India Nicosia
- Prof. Andreas Anayiotos, Technology Transfer Office Director, ERATOSTHENES Centre of Excellence
- Dr. Georgios Vozikis, Head of Sales EMEALA & Head of Radar Program, AIRBUS Defence and Space
- Mr. Zacharias Siokouros, CEO, Cyprus Marine and Maritime Institute (CMMI)
- Ms. Despina Panayiotou Theodosiou, CEO, Totοtheo Global
- Dr. Tasos Kounoudes, CEO, SignalGeneriX
- Mr. Stefan Hefter, Partner, Defence & Space, Consulting KPMG AG & Head of EMA Defense CoE
- Dr. Panayiotis Philimis, Founder & CEO, CyRIC

The forum concluded with startup presentations under the SPACE BIC Incubation framework, showcasing innovative ventures that apply space technologies to address real-world challenges. These presentations demonstrated the increasing maturity of the Cypriot and regional innovation ecosystems and highlighted the importance of nurturing entrepreneurial talent capable of translating research outcomes into commercially viable products and services.



Figure 23: Moments from the Space to Solutions Forum.

2.9.7 Visits to ERATOSTHENES CoE facilities under the auspices of the Cyprus Presidency of the Council of the EU

In addition to the events organised under the auspices of the Cyprus Presidency of the Council of the EU 2026, four visits to ECoE facilities were also organised as part of the high-level activities hosted by the Presidency in Cyprus. These visits provided strategic opportunities to present the Centre's research infrastructures, technological capabilities, and innovation activities to key European and international stakeholders, including policymakers, institutional representatives, and experts from the space and research communities.

Beyond their demonstrative function, these engagements played a significant role in strengthening dialogue with European institutions, fostering opportunities for collaboration, and reinforcing Cyprus' position within the European space and the EO ecosystem. By showcasing flagship infrastructure and ongoing initiatives, including those developed under the EXCELSIOR project, the visits helped enhance institutional visibility, promote knowledge exchange, and support the broader objective of positioning Cyprus and ECoE as key actors in regional and European innovation ecosystems.

2.9.7.1 Visit to the premises of CYTA's Makarios Station by the Attaché Trip, Informal Working Party on Research

ECoE played a central role in a high-level visit of European Union officials to the "Makarios" satellite station of CYTA on 17 April 2026, organised by the Deputy Ministry of Research, Innovation and Digital Policy under the framework of the Cyprus Presidency of the Council of the EU. The visit, carried out in the context of the Informal Working Party on Research's Attaché Trip, aimed to showcase Cyprus' advanced research infrastructures and technological capabilities, with particular emphasis on developments in space technologies and EO.



Figure 24: Photo from the visit to the premises of CYTA's Makarios Station by the Attaché Trip, Informal Working Party on Research.

A key highlight of the visit was the presentation of the strategic collaboration between ECoE and CYTA, focusing on the joint operation and utilisation of the satellite data acquisition station, located at the Pera Oreinis station. This infrastructure, developed through the EXCELSIOR project with an investment of approximately €4 million, is a critical component in strengthening Cyprus' capabilities for near-real-time satellite data acquisition and exploitation. The antenna enables the delivery of high-value EO services, supporting applications in environmental monitoring, disaster risk management, maritime surveillance, and climate analysis.

The visit also emphasised the strategic geographic advantage of Cyprus as a hub for serving a wide region spanning Europe, the Middle East, and North Africa, thereby enhancing the timely provision of satellite data for decision-making at both national and international levels. The engagement

demonstrated the growing interest among EU officials in Cyprus's infrastructure and innovation potential in the space sector and highlighted the country's transition into a new phase of development following its accession as an ESA Associate Member. Overall, the activity reinforced the importance of cross-sector collaboration and positioned ECoE as a key contributor to Europe's EO ecosystem.

2.9.7.2 Participation in the Informal Meeting of the Common Agricultural Policy (CAP) Directors

ECoE participated in the Informal Meeting of the CAP Directors, held on 28-30 April 2026 in Paphos and hosted by the Cyprus Presidency of the Council of the European Union. As part of the programme, participants visited the Cyprus Phassouri Plantations, where they were introduced to ongoing collaborations between ECoE and the agricultural sector. The visit provided a platform to demonstrate how research and innovation can support sustainable agriculture and modern farming practices.



Figure 25: Photos from the Informal Meeting of the Common Agricultural Policy (CAP) Directors.

During the visit, Prof. Diofantos Hadjimitsis and Dr. Christiana Papoutsa presented the activities of ECoE, highlighting the application of EO technologies in agriculture, including the PRECiRRI platform for precision irrigation and water management. The presentation also showcased the Centre's involvement in key European and national projects, including EXCELSIOR, CARBONICA, CERBERUS, and GEORGIA. The activity demonstrated the practical impact of EO-based solutions in supporting agricultural decision-making, enhancing resource efficiency, and strengthening collaboration between research organisations and industry stakeholders.

2.9.7.3 Visit by the European Parliament's Committee on Education and Culture

On 12 June 2026, ECoE, together with CUT, co-hosted a visit by members of the European Parliament's Committee on Education, organised within the framework of the Cyprus Presidency of the Council of the EU 2026. The event provided an important opportunity to showcase the University's academic and research excellence, with the Rector, Prof. Panayiotis Zaphiris, outlining its development, international presence, and strategic vision.

This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 857510.

This project has received funding from the Government of the Republic of Cyprus through the Directorate General for the European Programmes, Coordination and Development as well as the Cyprus University of Technology.



Figure 26: Photo from the visit by the European Parliament's Committee on Education and Culture.

During the visit, Prof. Diofantos Hadjimitsis presented the vision, mission, and key activities of ERATOSTHENES CoE, highlighting its role in advancing EO, space technologies, geoinformatics, and sustainable development. The visit served as a valuable platform for promoting Cyprus' research and innovation ecosystem at European level, strengthening collaboration with EU stakeholders, and reinforcing the Centre's contribution to scientific diplomacy and international cooperation.

2.9.7.4 Visit by the Working Party on Space Attachés

ECoE hosted the Attachés of the Working Party on Space on 23 June 2026, as part of the Cyprus Presidency of the Council of the European Union, showcasing its advanced infrastructures, services, and strategic initiatives in Earth Observation and space technologies. The visit, organised by the Deputy Ministry of Research, Innovation and Digital Policy, provided a high-level platform to demonstrate Cyprus' growing role within the European space ecosystem and to strengthen dialogue with EU stakeholders on future cooperation.

The programme included a visit to the CARO Atmospheric Remote Observing Observatory, where participants were introduced to the Centre's capabilities in atmospheric monitoring and research. The visit continued at the premises of CUT, where Prof. Diofantos Hadjimitsis presented the Centre's vision, activities, and key infrastructures, including EarthView Cyprus (Satellite Data Acquisition Station), the Cyprus Earth Observation Data Cube, and Space BIC Cyprus. The presentation also highlighted innovative applications such as PRECiRRI and NaDiRisk, demonstrating their contribution to environmental monitoring, climate resilience, disaster risk management, and space-based services across the EMMENA region.

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Figure 27: Photos from the visit by the Working Party on Space Attachés.

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3 Participation in International Events

3.1 Participation in conferences, workshops, exhibitions and other international events

ECoE actively engages in a wide range of international conferences, workshops, exhibitions, and collaborative events, reinforcing its role as a regional and European leader in Earth Observation (EO), Remote Sensing, and Geoinformatics. Through its participation, ECoE strengthens scientific collaboration, enhances visibility within the global research community, and contributes to the advancement of cutting-edge space and environmental technologies.

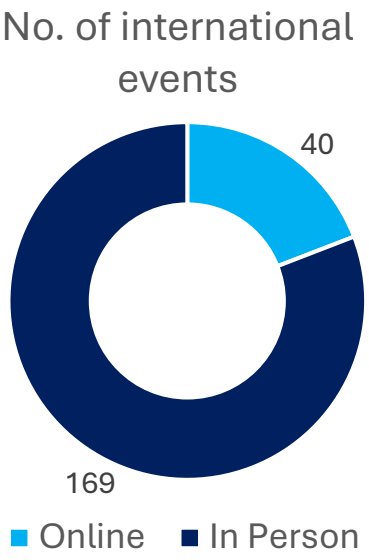


Figure 28: Total number of international events attended by EXCELSIOR partners since the start of the project.

Since the beginning of the project, ECoE and partner personnel participated in a total of 209 international events, including both in-person and online activities (Figure 28). Of these, 169 events involved physical participation while 40 events were organized or attended virtually, reflecting both the adaptations required during the COVID-19 period and the subsequent return to extensive face-to-face engagement. The extensive engagement in both physical and digital events ensured uninterrupted participation in scientific and technological developments while maximizing outreach opportunities and international interaction. A comprehensive list of ECoE's participation in international events is provided in Appendix A: Participation in international events RP1 – RP5, section A1: Participation in conferences, workshops, exhibitions and other international events.

A clear upward trend in international event participation can also be observed throughout the project duration (Figure 29, left). Participation increased from 22 events in RP1 to 101 events in RP5, representing more than a fourfold increase over the reporting periods. This growth reflects the gradual establishment of ECoE as a recognised participant within European and international EO and space-related communities, as well as the expansion of its scientific teams, research activities, strategic partnerships and operational capabilities.

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Similarly, the corresponding number of contributions to these events, i.e. oral or poster presentations, keynote or invited talks and contributions to panel/roundtable discussions, increased substantially, rising from 40 contributions in RP1 to 194 contributions in RP5 (Figure 29, right), with a total of 493 since the start of EXCELSIOR. This evolution indicates not only increased participation but also a strengthening role in disseminating research outcomes and contributing to scientific and policy discussions at international level.

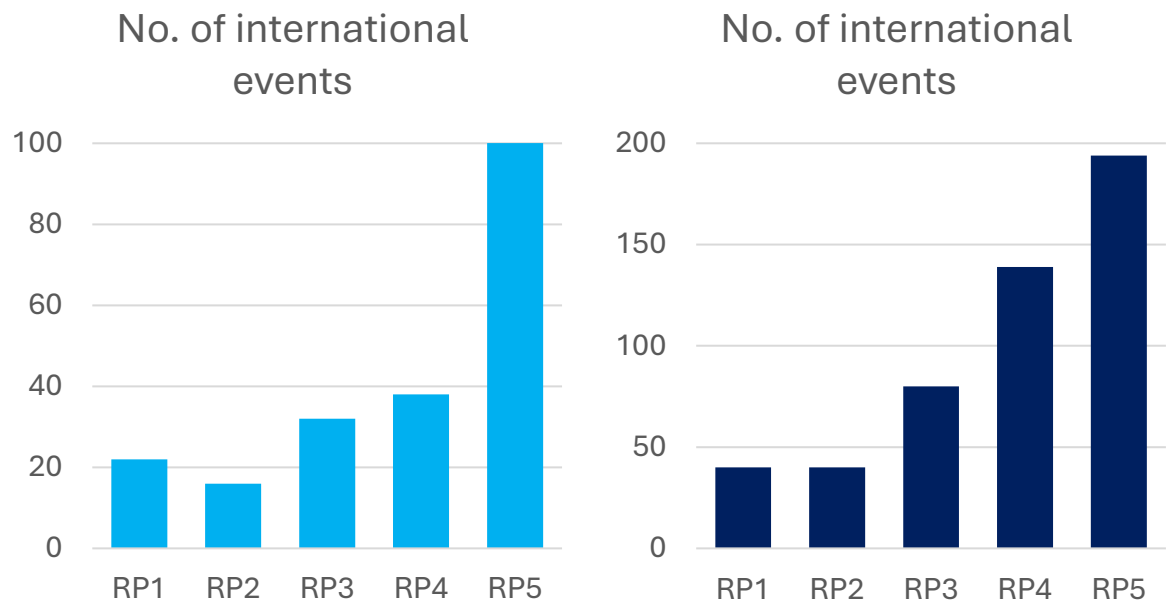


Figure 29: Number of international events attended by EXCELSIOR partners (left) and number of contributions to international events (right) by RP

The geographical coverage of ECoE and partner participation was extensive, reflecting the Centre's growing international footprint and global networking capacity. Beyond Cyprus, the highest levels of engagement were recorded in Greece, Italy, Spain, Belgium, Austria, Germany, France and the United Kingdom, reflecting strong links with leading European scientific communities, research infrastructures, European institutions and space-sector stakeholders (Figure 30). Overall, personnel attended international events hosted in 37 countries across Europe, North America, Asia, Africa, and the Middle East, including Algeria, Australia, Austria, Belgium, Brazil, China, Cyprus, Czech Republic, Denmark, Egypt, France, Germany, Greece, Hungary, Israel, Italy, Japan, Lithuania, Malta, Montenegro, Morocco, Netherlands, Norway, Poland, Portugal, Qatar, Romania, Serbia, Slovakia, Slovenia, South Africa, Spain, Switzerland, Tunisia, the United Arab Emirates, the United Kingdom, and the United States (Figure 31).

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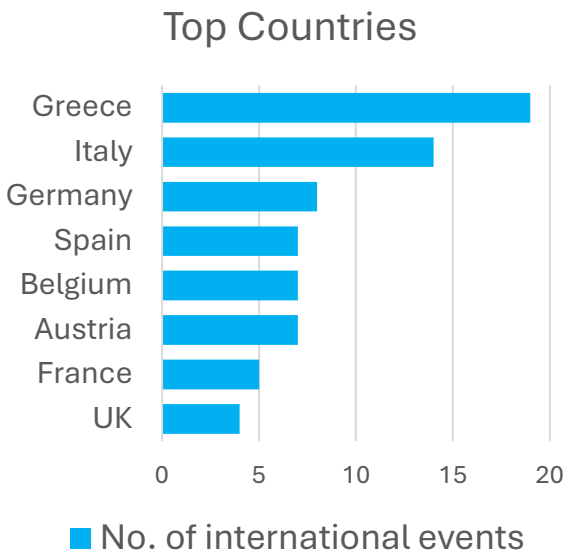


Figure 30: Number of international events attended per country (top 8 countries, excluding Cyprus)



Figure 31: Countries in which EXCELSIOR partners have participated in international events.

Thematic areas addressed through these events covered a wide spectrum of disciplines directly aligned with ECoE research priorities and strategic objectives. Participation focused on areas including:

- Earth Observation and Remote Sensing technologies
- Climate science and climate services
- Atmospheric sciences and environmental monitoring
- Space technologies and Copernicus services
- Geoinformatics and geospatial analysis

- Sustainable agriculture and natural resource management
- Water resources and environmental sustainability
- Cultural heritage preservation and digital archaeology
- Artificial intelligence and machine learning applications
- Disaster risk reduction and resilience
- Marine and coastal monitoring
- Innovation, entrepreneurship, and technology transfer.

Participation in major international scientific conferences and forums provided opportunities for researchers and staff to present scientific findings, exchange technical knowledge, and engage with emerging developments and best practices in their respective fields. ECoE personnel attended internationally recognized events such as the European Geosciences Union (EGU) General Assemblies, EARSeL Symposia, SPIE conferences, IGARSS, ACTRIS meetings, Copernicus User Forums, European Meteorological Society meetings, and various European Space Agency (ESA) initiatives. Such participation enabled exposure to cutting-edge scientific developments and facilitated interactions with leading researchers, policymakers, and stakeholders. Beyond scientific dissemination, participation in workshops and technical meetings strengthened ECoE involvement in European and international research infrastructures, networks, and collaborative initiatives. Engagement in activities related to Copernicus, ACTRIS, NASA MedRIN, Teaming initiatives, ESA activities, and other collaborative platforms reinforced institutional links and expanded opportunities for future cooperation and joint project development.

The participation of ECoE personnel also contributed substantially to capacity building and professional development. Attendance at specialized training schools, technical workshops, and educational activities enhanced technical expertise and strengthened competencies in areas such as atmospheric observations, remote sensing methodologies, data processing, artificial intelligence applications, climate modelling, and geospatial technologies. These activities further supported knowledge transfer within the Centre and contributed to the development of specialized skills among researchers and staff.

Analysis of the different types of contributions delivered by ECoE personnel and EXCELSIOR partners demonstrates an increasingly active and influential role within the international research and innovation community. Across the project duration, EXCELSIOR researchers delivered a substantial number of oral presentations, while also contributing through poster presentations, keynote and invited talks, panel discussions and roundtable interventions (Figure 32). Particularly noteworthy is the strong increase in strategic and high-level contributions during RP5, including 13 panel and roundtable interventions. This reflects both the growing recognition of ECoE experts as contributors to scientific, policy, and innovation debates at European and international level, as well as the Centre's active role in organising and contributing to a series of high-profile events under the Cyprus Presidency of the Council of the European Union during RP5, which created additional opportunities for engagement with policymakers, international organisations, research institutions, and industry stakeholders.

This progression illustrates a shift from participation-focused engagement during the early stages of the project towards a more visible leadership role, consistent with the objectives of the EXCELSIOR project to establish ECoE as a centre of excellence with strong international visibility and influence.

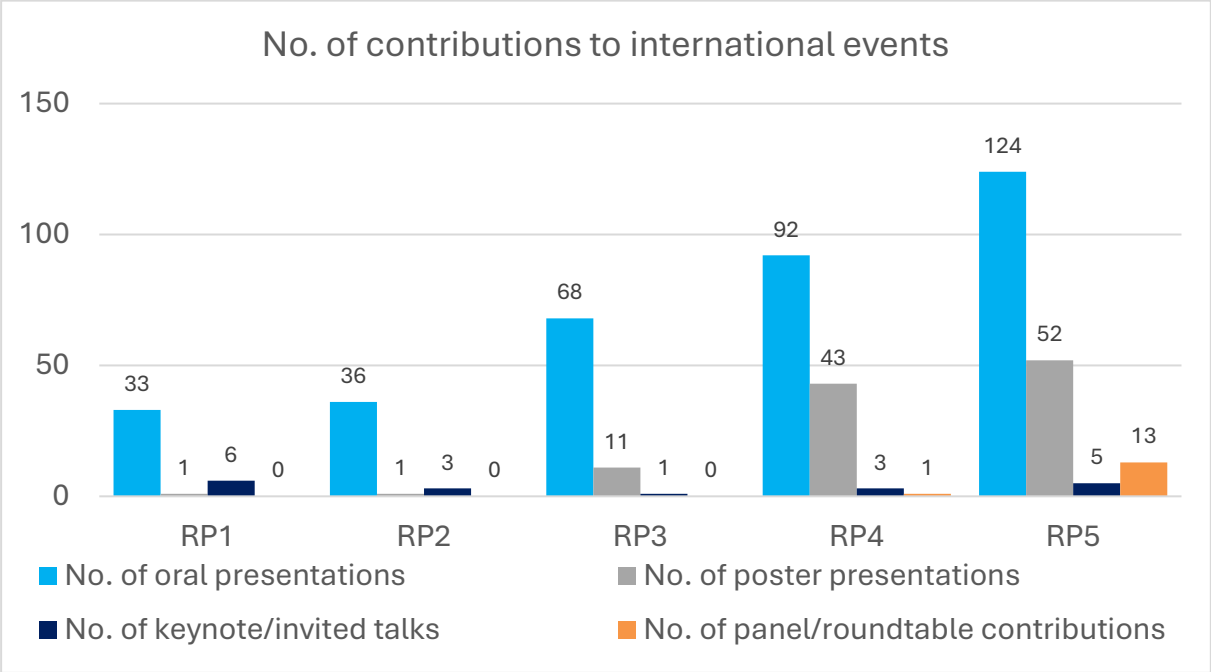


Figure 32: Number of contributions to international events per type and RP

Beyond the volume of participation, the quality and impact of ECoE's scientific contributions have also received international recognition. Research presented by ECoE staff at international conferences has attracted awards and distinctions, reflecting the scientific excellence and innovation capacity developed through EXCELSIOR. Indicative recent examples include:

- Best Paper Award in Track 08: Remote Sensing and GIS for Environmental Monitoring and Management at the EMCEI 2025 – Euro-Mediterranean Conference for Environmental Integration (23-26/06/2025), for Mrs. Despina Makri. Her presentation, "Seagrass Mapping in Cyprus using Cloud-computing and Machine-learning," demonstrated the innovative use of EO and advanced data analytics to support environmental monitoring and the protection of coastal ecosystems, highlighting the Centre's excellence in applied research and environmental innovation.
- Award of Best Innovative Application Paper at the 8th International Disaster & Risk Conference (IDRC 2025; 23-24/10/2025), for the study entitled "Earth Observation Toolkit for Monitoring Endangered Heritage Sites." The paper, authored by Dr. Dante Abate, Dr. Marios Tzouvaras, Dr. Maria Cristina Salvi and Prof. Diofantos Hadjimitsis, highlights the application of Earth Observation technologies for cultural heritage protection.
- Student Poster Award at the ACTRIS Science Conference in Oslo (20-23/04/2026) for Mrs. Maria Poutli. Maria's poster, titled "EarthCARE satellite mission: Validation of L2a aerosol products using CARO ground-based measurements in the Eastern Mediterranean" was selected among 250 poster presentations, showcasing the world-class quality of research emerging from ECoE.

Overall, the participation activities reported in this section demonstrate the successful integration of ECoE into major international scientific, policy and innovation networks, contributing significantly to the dissemination of project results, the establishment of strategic collaborations, and the strengthening of Cyprus' presence within the European and global Earth Observation and space ecosystems.

3.2 Engagement with International Stakeholders

Additionally, more than 40 engagement activities with international stakeholders were conducted (see Appendix A2), reflecting a strong emphasis on international engagement, strategic networking, and strengthening institutional and diplomatic relations. The activities encompassed high-level meetings, official visits, business and networking events, international missions, academic collaborations, and interactions with governmental, research, and industry stakeholders. Collectively, these engagements contributed to expanding international partnerships, fostering opportunities for collaboration across research and innovation ecosystems, enhancing visibility at both regional and global levels, and reinforcing the organisation's role as an active participant in scientific, technological, and socio-economic development initiatives.



Figure 33: Photos from the visit by the Federal Minister of State for EU Affairs of Germany

Particular emphasis was placed on strengthening relations with diplomatic missions and international partners that support the development of Cyprus' emerging space and EO ecosystem. Among the most notable examples was the Centre's collaboration with the Embassy of Germany in Cyprus, which evolved into one of ECoE's strongest bilateral partnerships. Through a series of meetings and official visits, including the visit of Germany's Federal Minister of State for EU Affairs, Mr. Gunther Krichbaum (Figure 33), ECoE had the opportunity to showcase the capabilities and impact of infrastructures developed through EXCELSIOR, including the Satellite Data Acquisition Station (DAS) and the Cyprus Atmospheric Remote Observatory (CARO). The Embassy also actively supported the development of the Space BIC by ERATOSTHENES CoE incubation programme, facilitated connections with German industry and innovation stakeholders, and supported the organisation of the high-level forum "From Space to Solutions" (Section 2.9.6).

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Figure 34: Photos from the visit by the the High Commissioner of India to Cyprus



Figure 35: Photos from the visit by Pixxel Space delegation

In addition, engagement with the High Commission of India in Cyprus (Figure 34) significantly strengthened ECoE's links with one of the world's fastest-growing space ecosystems. Following a series of high-level interactions, the High Commission facilitated cooperation between ECoE and Pixxel Space (Figure 35), a leading Indian space technology company, resulting in the signing of a Memorandum of Understanding and the exploration of joint opportunities in EO and downstream applications. This growing collaboration led to a range of joint activities, including stakeholder exchanges, thematic workshops, participation in innovation events, and ultimately the successful organisation of the 1st India-Cyprus Space Day (Section 2.8). These activities strengthened scientific, technological and commercial ties between the two countries, while expanding ECoE's international partnership network.

The Embassy of Italy in Cyprus also played an important role in promoting cooperation between Cypriot and Italian stakeholders in Earth Observation and Space Technologies. Through the Embassy's support, ECoE established connections with organisations such as e-GEOS and engaged in discussions with the Italian Space Agency (ASI), creating opportunities for future scientific and institutional collaboration. The Embassy actively supported several ECoE events, including RSCy2026 (Section 2.4) and "From Space to Solutions" (Section 2.9.6), where the importance of international cooperation,

innovation and space-based solutions for addressing societal challenges was highlighted. These interactions have laid the foundation for deeper collaboration between Cyprus and Italy in the space sector and have opened discussions on future joint initiatives.



Figure 36: Screenshots from the online meeting with the Egyptian Space Agency (EgSA)

Beyond bilateral diplomatic engagement, stakeholder interactions also involved representatives from European institutions, space agencies, research infrastructures, universities, innovation ecosystems, investors, and private-sector organisations. Many of these engagements created opportunities for follow-up collaborations, joint project development, knowledge exchange, technology transfer, entrepreneurship support, and participation in European and international initiatives. For instance, meetings with representatives of the Egyptian Space Agency (EgSA) reinforced ECoE's efforts to strengthen cooperation within the Eastern Mediterranean, Middle East and North Africa (EMMENA) region. These interactions explored opportunities for collaboration in Earth Observation applications, capacity building, research infrastructure, and the development of joint initiatives to address environmental monitoring, climate resilience, and sustainable development challenges.

Overall, the international stakeholder engagement activities demonstrate ECoE's growing ability to build strategic international partnerships that extend beyond scientific collaboration and contribute to innovation, entrepreneurship, policy dialogue, technology uptake and international cooperation. Through these engagements, ECoE further strengthened its position as a recognised regional hub connecting European and international stakeholders across the EO, geospatial and space sectors.

3.3 Participation in European Outreach Events

Particular emphasis was placed on dissemination and outreach activities that strengthened communication between the scientific community, policymakers, industry stakeholders, and society. Participation in events such as Researchers' Night activities, innovation forums, thematic workshops, and networking events increased public awareness of ECoE research activities and enhanced the visibility of the Centre's projects and achievements. A total of 10 outreach activities (see Appendix A3) with international visibility were implemented, providing opportunities to strengthen interactions with the public, academic communities, students, policymakers, and international stakeholders through awareness campaigns, educational initiatives, competitions, and large-scale engagement actions.

A cornerstone of ECoE's outreach strategy has been its continuous participation in the European Researchers' Night initiative since the early stages of the EXCELSIOR project (Figure 37), demonstrating

a long-term commitment to bringing science closer to society and inspiring future generations of researchers. Through interactive exhibitions, demonstrations, educational activities, and direct engagement with citizens, ECoE has consistently showcased the practical value of Earth Observation, remote sensing, geoinformatics, environmental monitoring, and space technologies. These activities have provided an effective platform for communicating the impact of EXCELSIOR and raising awareness of how research and innovation help address societal and environmental challenges.

ECoE also actively participated in broader European public engagement initiatives, such as the Europe Day celebrations and Erasmus Days. Participation in such events strengthened public awareness of European-funded research and innovation activities while providing opportunities for direct interaction with citizens, local stakeholders, and policymakers.

The international visibility of ECoE and EXCELSIOR was further enhanced through their inclusion in the European Commission's Science4EU campaign, a flagship initiative showcasing research and innovation projects delivering measurable societal impact (Figure 38). The participation of ECoE in the campaign highlighted the successful transformation achieved through EXCELSIOR, which enabled the establishment of a Centre of Excellence with growing international recognition. This recognition not only increased the Centre's visibility but also highlighted Cyprus's emerging role within the European Research Area and its strategic position as a bridge between Europe and the EMMENA region.

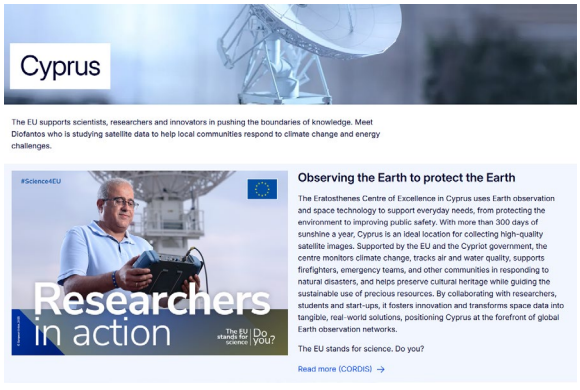
ECoE's commitment to science communication was also demonstrated through its participation in the MSCA Falling Walls Lab competition, held in Copenhagen in September 2025 as part of the MSCA Presidency Conference. ECoE researcher Dr. Dante Abate was selected among the finalists, presenting his research to an international audience of researchers, innovation experts, and policymakers. Participation in this highly competitive event provided valuable opportunities for networking and scientific exchange, while showcasing the quality and societal relevance of research conducted within ECoE.

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Figure 37: Photos from ECoE's participation in the European Researchers' Night since the start of EXCELSIOR



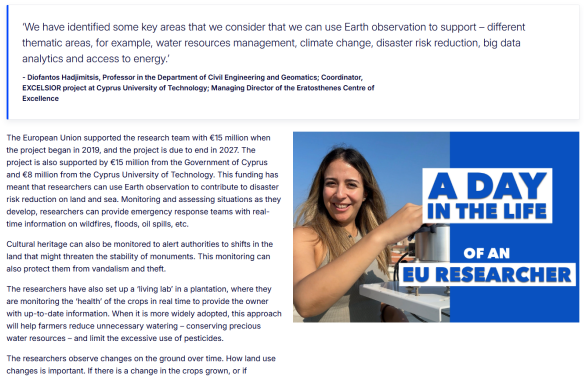




Figure 38: Screenshots from the Science4EU website

The significant participation in online events further enabled continuous scientific interaction and collaboration, particularly through webinars, virtual workshops, online conferences, and digital networking activities. These virtual engagements expanded participation opportunities, facilitated wider international reach, and allowed ECoE personnel to remain actively involved in global scientific discussions while maintaining flexibility and resource efficiency.

Collectively, these outreach activities complemented ECoE's scientific and networking efforts by strengthening engagement with society, promoting public understanding of science and technology, increasing awareness of European research and innovation programmes, and reinforcing the visibility of both ECoE and EXCELSIOR at local, national, European, and international levels.

4 Impact of International Scientific Events on ECoE's Growth and Cyprus' Position in the Global Space and Earth Observation Ecosystem

The series of international workshops, conferences, and space-related events organised or co-organised by ECoE between 2020 and 2026 has had a transformative impact on both ECoE and Cyprus, accelerating the country's emergence as a recognised regional hub for EO, remote sensing, climate science, geoinformatics, and space technologies. For ECoE, these events collectively strengthened its scientific reputation, expanded its international network, and enhanced its role as a leading research and innovation centre in the EMMENA region.

An important dimension of these activities has been ECoE's systematic engagement with key international stakeholders through participation in and organisation of international meetings, as well as active involvement in initiatives and events associated with GEO (Group on Earth Observations), Copernicus, ESA, and other leading global organisations. Through this engagement, ECoE has strengthened its integration into the international Earth Observation and space communities, expanded opportunities for collaboration, and enhanced Cyprus's visibility within major scientific and policy networks. In line with its strategic objectives, ECoE supports the organisation of dedicated international scientific conferences for each of its three Research Clusters (Environment & Climate, Resilient Society, and Big Earth Data Analytics) under the leadership of the respective Cluster Coordinators. These conferences provide platforms for knowledge exchange, scientific collaboration, and stakeholder engagement, while fostering synergies with flagship international programmes and initiatives. By actively pursuing partnerships, sponsorships, and joint activities with organisations such as Copernicus, GEO, ESA, NASA, and other international actors like ISRO and IN-SPACe in India, ECoE continues to reinforce its role as a regional and international hub for Earth Observation research, innovation, and capacity building, while contributing to the development of a sustainable and globally connected space and geospatial ecosystem in Cyprus. In particular, ESA has been a major sponsor for the RSCy conference series, and high-level representatives have participated as keynote speakers and panellists.

Since the beginning of the project, ECoE and partner personnel have participated in 197 international events, including 158 in-person and 39 virtual activities. These engagements span 35 countries across Europe, North America, Asia, Africa, and the Middle East, reflecting a strong and expanding global footprint. Participation covers leading scientific venues such as the European Geosciences Union (EGU) General Assemblies, EARSeL Symposia, SPIE conferences, IGARSS, ACTRIS meetings, Copernicus User Forums, European Meteorological Society meetings, and European Space Agency (ESA) initiatives.

4.1 Impact on ECoE

The early virtual workshops on Space Operations and Environmental Monitoring (2020) and Atmospheric & Climate Research (2021) established ECoE as a convening platform for regional scientific collaboration during a period when international engagement was constrained by the pandemic. These events fostered partnerships among researchers, governmental agencies, and space organisations, while highlighting ECoE's capabilities in environmental monitoring and climate research. Subsequent EXCELSIOR workshops on entrepreneurship, innovation, big data, and business

opportunities in Earth Observation (2022–2025) expanded ECoE's focus beyond research into technology transfer, commercialization, and startup development. They helped cultivate an innovative ecosystem around EO applications, AI, geospatial analytics, and satellite services, aligning ECoE with European priorities for digital and green transformation.

The recurring International Conferences on Remote Sensing and Geoinformation of Environment and the 41st EARSeL Symposium significantly elevated ECoE's international visibility by attracting leading scientists, industry representatives, and policymakers from Europe and beyond. Hosting these flagship events demonstrated ECoE's organisational capacity and positioned it as a gateway for scientific cooperation in the EMMENA region.

By 2025–2026, ECoE's portfolio had expanded into meteorology, climate physics, cultural heritage protection, ocean monitoring, AI-enabled EO solutions, and space policy, culminating in high-profile events such as India–Cyprus Space Day, the EU Space Networks General Assembly, and From Space to Solutions. These events reinforced ECoE's role as a bridge between European, Mediterranean, and global space ecosystems and opened new opportunities for collaboration with organisations such as ESA, NASA, ISRO, IN-SPACe, and European space networks.

The extensive participation of ECoE staff in international events has significantly strengthened scientific excellence and research visibility. Through presentations and technical contributions in high-impact international forums, ECoE research outputs have been widely disseminated and positioned within leading scientific communities in Earth Observation, climate science, atmospheric research, and geospatial analytics. This has enhanced institutional recognition and reinforced ECoE's profile as a growing centre of excellence in EO and environmental monitoring. Participation has also substantially expanded international collaboration networks. Engagement with European and global partners, including Copernicus Programme initiatives, ESA activities, ACTRIS, NASA MedRIN, and other research infrastructures, has strengthened institutional linkages and expanded opportunities for joint research, project proposals, and consortium building. These interactions support long-term integration into major European and international research ecosystems. A key outcome of this international engagement is the significant contribution to capacity building and human capital development. Attendance at specialised training schools, technical workshops, and scientific conferences has enhanced staff expertise in remote sensing methodologies, atmospheric observations, climate modelling, artificial intelligence applications, and geospatial data analysis. Knowledge transfer within the Centre has further strengthened internal competencies and improved research performance. In addition, participation in innovation-oriented forums and industry-related events has supported technology transfer and innovation development, facilitating stronger connections with industry stakeholders and enabling pathways for applied research, prototype development, and service-oriented solutions in environmental and space technologies.

ECoE's involvement has also contributed to policy engagement and societal impact, particularly through participation in Copernicus user forums, climate services discussions, disaster risk reduction initiatives, and other science-policy interfaces. Dissemination activities, including Researchers' Night events and outreach workshops, have enhanced public awareness and increased the visibility of ECoE's research outcomes among policymakers, stakeholders, and the general public.

The visits to ECoE's premises by EY delegates highlighted the Centre's visibility and reinforced its role as a regional hub for research, innovation, Earth Observation, and space-related activities. These engagements provided a valuable platform to showcase the Centre's capabilities, infrastructure, and strategic initiatives, while fostering dialogue with key European stakeholders and policymakers. Furthermore, the visits strengthened opportunities for collaboration, promoted knowledge exchange, and helped raise awareness of the Centre's contributions to advancing research excellence, supporting evidence-based policymaking, and addressing societal and environmental challenges through space technologies and innovation.

4.2 Impact on Cyprus

For Cyprus, the cumulative impact has been equally significant. Hosting a continuous sequence of international scientific and space-related events has enhanced the country's global visibility and credibility in the space and Earth Observation sectors. Cyprus has increasingly been recognised as a strategic location connecting Europe, the Middle East, and North Africa, capable of hosting major international conferences and facilitating regional cooperation. These events have contributed to the development of a national space and innovation ecosystem by bringing together universities, research centres, government ministries, startups, and international organisations. They have stimulated knowledge exchange, attracted foreign experts and visitors, supported high-skilled employment, and encouraged investment in digital, environmental, and space-related technologies.

Moreover, the focus on climate change, environmental monitoring, disaster management, ocean observation, and cultural heritage protection has demonstrated how space technologies can address real-world societal challenges relevant to Cyprus and the wider Mediterranean region. The events also supported Cyprus' broader ambition to become an active participant in European and international space initiatives, culminating in its growing engagement with EU space networks and the hosting of major European space gatherings.

By representing Cyprus in high-level global scientific forums, ECoE strengthens the country's visibility and credibility within the European Research Area and the global Earth Observation community. This contributes to positioning Cyprus as an emerging hub for space technologies, climate services, and geospatial innovation in the Eastern Mediterranean region. The active participation of ECoE staff also supports the attraction of competitive EU funding, fosters strategic partnerships with leading international institutions, and enhances the country's capacity to participate in large-scale collaborative research infrastructures.

5 Conclusions

The activities presented in this report demonstrate a successful effort to promote scientific excellence, international cooperation, stakeholder engagement, and knowledge dissemination through the organisation of major conferences and active participation in international events. The conferences organised during the reporting period attracted a diverse range of participants from academia, research institutions, governmental organisations, industry, international agencies, and civil society. Through the International Conference on Remote Sensing and Geoinformation of Environment (RSCy) series, the EARSeL Symposium, COMECAP 2025, and a range of thematic events, participants had opportunities to exchange knowledge, present innovative research, discuss emerging challenges, and establish new collaborations across disciplinary and geographical boundaries.

The evolution of the RSCy conference series illustrates the growing international recognition and impact of these activities, reflected in increasing participation, expanding thematic coverage, stronger industry engagement, and enhanced integration of policy, research, and operational communities. Similarly, the successful hosting of internationally recognised events such as the EARSeL Symposium and COMECAP further strengthened the position of Cyprus as a regional centre for scientific dialogue and innovation in Earth Observation, environmental monitoring, climate services, and geospatial technologies.

Events organised under the framework of the Cyprus Presidency of the Council of the European Union provided additional opportunities to support European priorities and foster dialogue on critical issues including cultural heritage protection, ocean sustainability, space policy, secure connectivity, innovation, and international cooperation. These events increased the visibility of European initiatives and facilitated interactions among policymakers, researchers, industry representatives, and end users. Participation in international conferences, workshops, exhibitions, and stakeholder forums complemented these efforts by expanding professional networks, promoting project outcomes, identifying new opportunities for collaboration, and ensuring continuous engagement with the international scientific and policy communities.

Overall, the activities documented in this report have significantly contributed to strengthening scientific cooperation, supporting capacity building, enhancing the uptake of research and innovation results, and promoting the strategic role of ECoE in the areas of Earth Observation, remote sensing, geospatial technologies, climate services, and space applications in addressing societal, environmental, and economic challenges. The experience gained and partnerships established through these activities provide a strong foundation for future initiatives and continued international engagement.

Looking ahead, the networks, partnerships, visibility, and collaborative mechanisms developed through these activities will continue to support ECoE's sustainable growth and reinforce Cyprus's role within the European Research Area and the international Earth Observation and space ecosystem. The achievements documented in this report demonstrate the lasting impact of EXCELSIOR in transforming ECoE from an emerging research centre into an internationally connected Centre of Excellence with growing scientific, policy, and societal influence.

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Appendix A: Participation in international events RP1 – RP5

A1. Participation in conferences, workshops, exhibitions and other international events

Title	Location	Date	Event Type	RP	No. of keynote/ invited talks	No. of oral presentations	No. of poster presentations	No. of panel contributions	Detailed Reporting
Iufro 2019 Conference	Curitiba, Brazil	02/10/2019	Conference	RP1		1			D10.1: Report on the dissemination activities and Conference organisation
SilviLazer 2019 Conference	Iguazu Falls, Brazil	08/10/2019	Conference	RP1		1			D10.1: Report on the dissemination activities and Conference organisation
Agrifood Innovation - Setting the Context in Cyprus	Limassol, Cyprus	22/10/2019	Conference	RP1					D10.1: Report on the dissemination activities and Conference organisation
Possibilities and challenges of Copernicus products and services in marine industry, research and management	Bergen, Norway	23/10/2019	Other	RP1		1			D10.1: Report on the dissemination activities and Conference organisation
Sustainable Conservation of UNESCO and Other Heritage Sites	Aswan, Egypt	11/12/2019	Other	RP1	1				D10.1: Report on the dissemination activities and Conference organisation
3rd Conference of Geographic Information Systems and Spatial Analysis in Agriculture and the Environment	Athens, Greece	11/12/2019	Conference	RP1	1				D10.1: Report on the dissemination activities and Conference organisation
Workshop of the Marine Spatial Planning "THAL-CHOR 2" Project	Limassol, Cyprus	12/12/2019	Workshop	RP1		1			D10.1: Report on the dissemination activities and Conference organisation
25th Copernicus User Forum	Brussels, Belgium	29/01/2020	Other	RP1		1			D10.1: Report on the dissemination activities and Conference organisation

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Title	Location	Date	Event Type	RP	No. of keynote/ invited talks	No. of oral presentations	No. of poster presentations	No. of panel contributions	Detailed Reporting
Copernicus Academy & Copernicus Relay	Online	20/02/2020	Other	RP1		1			D10.1: Report on the dissemination activities and Conference organisation
Workshop on Computational approaches to archaeological site detection and monitoring	Cambridge, UK	29/02/2020	Workshop	RP1	1				D10.1: Report on the dissemination activities and Conference organisation
ACTRIS IMP Kick-off Meeting	Larnaca, Cyprus	02-06/03/2020	Other	RP1	1				D10.1: Report on the dissemination activities and Conference organisation
ICOMOS-CYPRUS seminar	Online	24/04/2020	Other	RP1		1			D10.1: Report on the dissemination activities and Conference organisation
EGU 2020	Online	04-08/05/2020	Conference	RP1		2	1		D10.1: Report on the dissemination activities and Conference organisation
Copernicus Academy video conference	Online	20/05/2020	Conference	RP1		1			D10.1: Report on the dissemination activities and Conference organisation
1st Annual ECoE International Workshop: "First Virtual International Workshop on Space Operations and Environmental Monitoring in Cyprus"	Online	15/07/2020	Workshop	RP1		12			D9.13 Report on the organisation of the annual ECoE International Workshop (RP1)
Third European and Mediterranean Structural Engineering and Construction Conference (EURO-MED-SEC-3)	Online	05/08/2020	Conference	RP1	1	2			D10.1: Report on the dissemination activities and Conference organisation

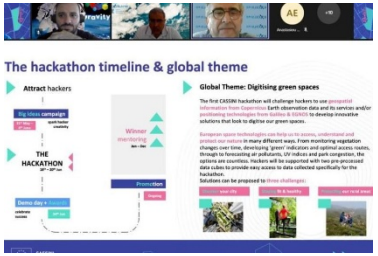
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Title	Location	Date	Event Type	RP	No. of keynote/ invited talks	No. of oral presentations	No. of poster presentations	No. of panel contributions	Detailed Reporting
CAA-GR 2020 Sessions- "Greece, Cyprus, Turkey"	Online	09/10/2020	Conference	RP1		1			D10.1: Report on the dissemination activities and Conference organisation
GEO Work Programme & Synergies	Online	20/10/2020	Other	RP1		1			D10.1: Report on the dissemination activities and Conference organisation
CERES Workshop in Cyprus	Online	20/10/2020	Workshop	RP1		3			D10.1: Report on the dissemination activities and Conference organisation
EUROMED2020 Conference	Online	04/11/2020	Conference	RP1	1				D10.1: Report on the dissemination activities and Conference organisation
135th EuroSDR Conference	Nicosia, Cyprus	13/11/2020	Conference	RP1		2			D10.1: Report on the dissemination activities and Conference organisation
American Geophysical Union, Fall Meeting 2020	Online	01-17/12/2020	Conference	RP1		2			Oral Presentations: "Impact of aerosol conditions on hemispheric differences in ice formation in stratiform clouds", Martin Radenz, TROPOS "Contribution of different ice formation processes to the precipitation budget over ocean measured from ground and space", Johannes Bühl, TROPOS
Final event of ARinfuse Erasmus+ Project	Online	29/01/2021	Other	RP2		1			D10.1: Report on the dissemination activities and Conference organisation
NASA-Mediterranean Regional Information Network Annual Meeting	Online	25/02/2021	Other	RP2		1			D10.1: Report on the dissemination activities and Conference organisation
OPHERA 1st Workshop	Online	17-21/05/2021	Workshop	RP2	2				D10.1: Report on the dissemination activities and Conference organisation
Sustainable Agriculture and Natural Resources Cluster Meeting (REA, EC)	Online	20/05/2021	Other	RP2		1			D10.1: Report on the dissemination activities and Conference organisation

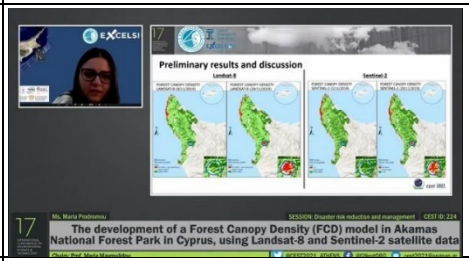
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Title	Location	Date	Event Type	RP	No. of keynote/ invited talks	No. of oral presentations	No. of poster presentations	No. of panel contributions	Detailed Reporting
Urban Heritage Climate Observatory	Online	27/05/2021	Workshop	RP2					D10.1: Report on the dissemination activities and Conference organisation
2nd Annual ECoE International Workshop: "Second Virtual International Workshop on Atmospheric & Climate Research in the EMMENA region"	Online	08/06/2021	Workshop	RP2		12			D9.14 Report on the organisation of the annual ECoE International Workshop (RP3)
40th EARSeL Symposium 2021	Online	08-10/06/2021	Conference	RP2		10			D10.1: Report on the dissemination activities and Conference organisation
Earth Observation Network Seminar of Imperial College London	Online	24/06/2021	Workshop	RP2	1				D10.1: Report on the dissemination activities and Conference organisation
Co-organization of the 1st CASSINI Space Data Hackathon	Online	18-20/06/2021	Other	RP2					 From June 18–20, 2021, hundreds of participants across 10 European locations took part in the 1st CASSINI Hackathon, an event aimed at using European space technologies to innovate and digitize Europe's green spaces. Supported by EUSPA experts and market development professionals, participants developed solutions leveraging Copernicus Earth observation data and Galileo/EGNOS positioning technologies. At the end of the hackathon, each location selected a winning team to compete in the European Demo Day and Awards Ceremony on June 24, 2021, where they presented their ideas to a jury of experts. In Cyprus, the event was organized by CyRIC in collaboration with the Gravity Ventures Incubator, the ERATOSTHENES Centre of Excellence, and the EXCELSIOR H2020 Teaming Project. Prof. Diofantos Hadjimitsis, Coordinator of EXCELSIOR, served as a judge, and members of the EXCELSIOR team participated as mentors for the Cypriot teams.

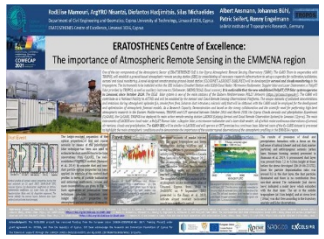
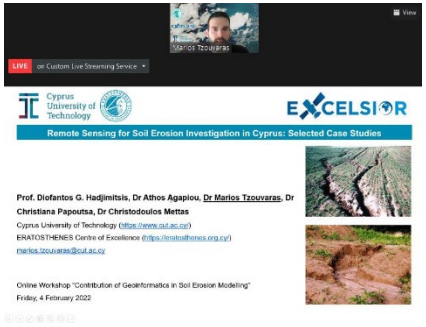
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Title	Location	Date	Event Type	RP	No. of keynote/ invited talks	No. of oral presentations	No. of poster presentations	No. of panel contributions	Detailed Reporting
Joint NASA MedRIN and SCERIN Virtual Capacity Building Workshop	Online	15-17/06/2021	Workshop	RP2		1			 The Joint Mediterranean and South-Central/Eastern European Regional Information Network Capacity Building Workshop (Joint M&S CBW) was held virtually from June 15–17, 2021, organized by NASA GOFC-GOLD and START. Prof. Diofantos Hadjimitsis, Co-Leader of MedRIN and Coordinator of the EXCELSIOR H2020 Teaming Project, presented EXCELSIOR's research and innovation activities in Earth Observation, including topics such as climate change, agriculture, water management, and disaster risk reduction. Dr. Vincent Ambrosia (NASA, MedRIN Coordinator and EXCELSIOR Advisory Board member) also highlighted EXCELSIOR's relevance to MedRIN. The workshop concluded with an agreement for collaboration between MedRIN, EXCELSIOR, and the ERATOSTHENES Centre of Excellence in training, capacity building, infrastructure sharing, and joint events.
17th International Conference on Environmental Science and Technology (CEST 2021)	Online	01-04/09/2021	Conference	RP2		4			 EXCLESIOR team participated with 4 presentations at the 17th International Conference on Environmental Science and Technology CEST 2021 which was held from the 1st to the 4th of September 2021 organized by Global NEST.
SPIE Remote Sensing 2021	Online	13-17/09/2021	Conference	RP2		4			 Participation with 4 presentations at SPIE 2021 Remote Sensing: Investigating the past using remote sensing techniques, by Dr Kyriacos Themistocleous; Satellite derived bathymetry for shallow coastal waters in Cyprus, by Mr Evagoras Evagorou; Monitoring aquaculture fisheries using Sentinel 2 images by identifying plastic fishery rings, by Dr Kyriacos Themistocleous; Detecting changes in

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Title	Location	Date	Event Type	RP	No. of keynote/ invited talks	No. of oral presentations	No. of poster presentations	No. of panel contributions	Detailed Reporting
									vegetation and climate that serve as early warning signal on land degradation using remote sensing a review, by Mr. Filippos Eliades.
15th International Conference on Meteorology, Climatology and Atmospheric Physics	Ioannina, Greece	26-29/09/2021	Conference	RP2			1		 At the 15th International Conference on Meteorology, Climatology and Atmospheric Physics COMECAP 2021 our team member Dr Argyro Nisantzi presented a poster entitled "The importance of Atmospheric Remote Sensing in the EMMENA region". The poster presented details on the mission of the EXCELSIOR H2020 Teaming Project and how the lidar system will become a key component within the project coordinated by the Cyprus University of Technology.
1st DESIS User Workshop	Online	28/09-01/10/2021	Workshop	RP2		1			 At the 1st DESIS User Workshop, organized by DLR, a joint work on Cultural Heritage by members of the EXCELSIOR H2020 Teaming Project was presented. The work was a collaboration between Dr Daniele Cerra and Dr. Athos Agapiou and Mr Evagoras Evagorou from CUT.
Contribution of Geoinformatics to the Modeling of Soil Erosion	Online	04/02/2022	Conference	RP2		1			 Dr Marios Tzouvaras participated in the online conference "Contribution of Geoinformatics to the Modeling of Soil Erosion", which was organized by the Laboratory of Geophysics Satellite Remote Sensing and Archaeoenvironment of the Institute of Mediterranean Studies Institute of Research and Technology and the Technical University of Crete There he had the opportunity to give a presentation on "Remote Sensing for Soil Erosion Investigation In Cyprus Selected Case Studies".

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Title	Location	Date	Event Type	RP	No. of keynote/ invited talks	No. of oral presentations	No. of poster presentations	No. of panel contributions	Detailed Reporting
6th ESA PECS Briefing and Information Day	Nicosia, Cyprus	22/02/2022	Other	RP2					 ECoE participated at the workshop 6th ESA PECS Call Briefing and Information Day on ESA's OPS SAT 2 and advanced telecommunication activities 2022 which was organized by the Department of Electronic Communications of the Deputy Ministry of Research, Innovation and Digital Policy, in collaboration with the European Space Agency.
3rd Annual ECoE International Workshop: "Third Virtual EXCELSIOR Workshop on Entrepreneurship & Innovation in Earth Observation"	Online	21/06/2022	Workshop	RP3		2			D9.14 Report on the organisation of the annual ECoE International Workshop (RP3)
Soil Erosion Workshop (EUSO Technical Working Group on Soil Erosion)	Online	22/06/2022	Workshop	RP3		2			D9.3: Communication Action Plan
"The ERATOSTHENES Centre of Excellence and the EXCELSIOR project meet the key stakeholders within Cyprus and the EMMENA region"	Paphos, Cyprus	12/09/2022	Workshop	RP3		1			D9.3: Communication Action Plan
41st EARSeL Symposium	Paphos, Cyprus	13-16/09/2022	Conference	RP3		17			D9.3: Communication Action Plan, and: Oral Presentation – "Deriving strong rain hazard risk maps from geo-morphology", Thomas Krauss, DLR Oral Presentation – "Optimizing Ground-Based Observations Of Global Precipitation Patterns", Johannes Bühl, TROPOS
Sustainable Groundwater	Valencia, Spain	06-08/10/2022	Conference	RP3			2		D9.3: Communication Action Plan

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Title	Location	Date	Event Type	RP	No. of keynote/ invited talks	No. of oral presentations	No. of poster presentations	No. of panel contributions	Detailed Reporting
Management Conference									
1st Teaming Club Conference	Nicosia, Cyprus	20/10/2022	Conference	RP3					D9.3: Communication Action Plan
EUSPA Infoday	Nicosia, Cyprus	20/10/2022	Other	RP3		1			D9.3: Communication Action Plan
ACTRIS Meeting organized by the ACTRIS Centre for Aerosol Remote Sensing (CARS)	Prague, Czechia	02/11/2022	Other	RP3					D9.3: Communication Action Plan
9th International Euro-Mediterranean Conference (EuroMed2022),	Limassol, Cyprus	07/11/2022	Conference	RP3					D9.3: Communication Action Plan
Annual Meeting of the Cloud Remote Sensing community of ACTRIS	Paris, France	14-15/11/2022	Other	RP3					D9.3: Communication Action Plan
GIS Day 2022	Limassol, Cyprus	16/11/2022	Workshop	RP3		3			D9.3: Communication Action Plan
Workshop on Solar Radiation/Energy Measurements, Modeling and Applications	Davos, Switzerland	17-18/11/2022	Workshop	RP3					D9.3: Communication Action Plan
8th International Conference on Drylands, Deserts and Desertification	Beersheba, Israel	27/11-01/12/2022	Conference	RP3		1			D9.3: Communication Action Plan
Copernicus User Forum	Brussels, Belgium	16/03/2023	Other	RP3		1			D9.3: Communication Action Plan

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4th Atlas Georesources International Congress (AGIC 2023)	Tunis, Tunisia	19/03/2023	Conference	RP3		1			D9.3: Communication Action Plan
3rd International Conference Transdisciplinary Multispectral Modelling and Cooperation for the Preservation of Cultural Heritage (TMM-CH)	Athens, Greece	20-23/03/2023	Conference	RP3		1			D9.3: Communication Action Plan
RSCy2023: 9th International Conference on Remote Sensing and Geoinformation of Environment, Cyprus	Ayia Napa, Cyprus	03-05/04/2023	Conference	RP3	1	22	7		Present report, Section 2.1
International Conference on Geoinformation Data, Processing and Applications (GeoDPA)	Oldenburg, Germany	23/04/2023	Conference	RP3			1		Poster presentation – "The joint Cyprus Flight Campaign of Eratosthenes CoE and DLR (CERAD) of 2023", Thomas Krauss, DLR
EGU General Assembly 2023	Vienna, Austria	23-28/4/2023	Conference	RP3		1			Oral Presentation – "Evolution of biologically active ultraviolet doses in Cyprus", Ilias Fountoulakis, NOA
Global Faculty Week 2023	Kaunas, Lithuania	24-28/04/2023	Other	RP3		1			D9.3: Communication Action Plan
SPIE Defense + Commercial Sensing 2023 International Conference	Orlando, USA	30/04-04/05/2023	Conference	RP3		1			D9.3: Communication Action Plan
Climate Change and Civil, Protection – Towards an Efficient	Rome, Italy	05-07/06/2023	Other	RP3					D9.3: Communication Action Plan

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Euro-Mediterranean Cooperation									
7th General Assembly of the Copernicus Atmosphere Monitoring Service (CAMS)	Valencia, Spain	13-15/06/2023	Other	RP3					D9.3: Communication Action Plan
4th Annual ECoE International Workshop: Fourth Annual Virtual EXCELSIOR Workshop on Earth Observation Research Trends in the EMMENA region	Online	05/07/2023	Workshop	RP3		2			D9.14 Report on the organisation of the annual ECoE International Workshop (RP3)
28th General Assembly of the International Union of Geodesy and Geophysics (IUGG 2023)	Berlin, Germany	11-20/07/2023	Conference	RP3		1			Oral Presentation: "Clear evidence for the impact of wildfire smoke on cirrus formation", Albert Ansmann, TROPOS
IEEE 2023 International Geoscience and Remote Sensing Symposium (IGARSS)	Los Angeles, USA	16-21/07/2023	Conference	RP3		1			D9.3: Communication Action Plan
ISPRS Geospatial Week 2023	Cairo, Egypt	02-07/09/2023	Conference	RP3		4			D9.3: Communication Action Plan
SPIE Sensors + Imaging Conference 2023	Amsterdam, Netherlands	03-06/09/2023	Conference	RP3			2		D9.3: Communication Action Plan
European Meteorological Society Annual Meeting 2023	Bratislava, Slovakia	03-08/09/2023	Conference	RP3		2			D9.3: Communication Action Plan

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6th Copernicus Climate Change Service (C3S) General Assembly	Brno, Czechia	13/09/2023	Other	RP3					D9.3: Communication Action Plan
16th International Conference on Meteorology, Climatology, and Atmospheric Physics (COMECAP 2023)	Athens, Greece	25-29/09/2023	Conference	RP3		1			D9.3: Communication Action Plan
2nd Teaming Club Conference	Izola, Slovenia	28-29/09/2023	Conference	RP3		2			D9.3: Communication Action Plan
41st GAWTEC Training Course on Aerosols	Schneefernerhaus, Germany	15-29/10/2023	Workshop	RP4		1			D9.3: Communication Action Plan
CEOS 2023, held at the DLR Campus	Weßling, Germany	16-18/10/2023	Conference	RP4		1			D9.3: Communication Action Plan
6th World Landslide Forum	Florence, Italy	20/11/2023	Workshop	RP4		1			D9.3: Communication Action Plan
UN-SPIDER/ASAL/ZFL Workshop: Space-based Solutions for Forest Fires in Algeria	Algiers, Algeria	21-22/11/2023	Workshop	RP4		1			D6.13 Report on the extroversion programme activities (update 1)
16th European Space Conference	Brussels, Belgium	24/01/2024	Conference	RP4					D9.3: Communication Action Plan
Solar Winter School	Sophia Antipolis, France	11-15/03/2024	Workshop	RP4					D9.3: Communication Action Plan
UN-SPIDER Bonn International Conference on Space-based Solutions for Disaster	Bonn, Germany	12-14/03/2024	Conference	RP4		1			Oral Presentation – "BEYOND's Fire System for Wildfire Crisis Management and the Early Warning System EYWA for mosquito borne diseases crisis management", Dr. Haris Kontoes, NOA

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Title	Location	Date	Event Type	RP	No. of keynote/ invited talks	No. of oral presentations	No. of poster presentations	No. of panel contributions	Detailed Reporting
Management - "Early Warnings for All"									
Training activities at PMOD/WRC and ETH	Davos & Zurich, Switzerland	18-28/03/2024	Workshop	RP4					D9.3: Communication Action Plan
1st Greek Space Tech Forum 2024	Athens, Greece	21/03/2024	Conference	RP4				1	D9.3: Communication Action Plan
RSCy2024: 10th International Conference on Remote Sensing and Geoinformation of the Environment	Paphos, Cyprus	08-09/04/2024	Conference	RP4	2	27	11		Present report, Section 2.2, and: Keynote Presentation – "Earth Observation: the last 50 years and challenges ahead", Gunter Schreier, DLR Oral Presentation – "Creating a Strong Rain Danger Map for Cyprus", Thomas Krauss, DLR Oral presentation – "Remote Sensing for Maritime situational Awareness", Egbert Schwarz, DLR Oral presentation – "Oil Spill Detection on Landsat-8/9 Images Based on Deep Learning Methods", Olga Schmidt, DLR Oral presentation – "Near real-time oil pollution monitoring using SAR for the Southeastern Mediterranean Sea", Yi-Jie Yang, DLR Oral presentation – "FloodHub diachronic mapping service in the transboundary Evros river basin", Alexia Tsounia, NOA
5th Annual ECoE International Workshop: "Fifth EXCELSIOR Annual Hybrid Workshop: Big Data in Earth Observation: Trends and Challenges"	Online	08/04/2024	Workshop	RP4		2			Present report, Section XX
European Geosciences Union (EGU) General Assembly 2024	Vienna, Austria	14-19/04/2024	Conference	RP4		3	1		D9.3: Communication Action Plan, and: Oral Presentation – "Machine Learning Approach for Next-Day Wildfire Prediction: Challenges, Solutions, andInsights", Stella Girtsou, NOA

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Commonwealth Ministerial Meeting on Oceans	Paphos, Cyprus	18-19/04/2024	Workshop	RP4					D9.3: Communication Action Plan
ESA – ECMWF Workshop on Machine Learning for Earth Observation and Prediction	Frascati, Italy	07-10/5/2024	Workshop	RP4			1		Poster Presentation – ""Machine Learning for Next-Day Wildfire Prediction: Classic approach Metric Learning and Image Segmentation"", Dr. Stela Girtsou, NOA
ACTRIS Science Conference	Rennes, France	13-16/05/2024	Conference	RP4			1		D9.3: Communication Action Plan
Euro-Mediterranean Conference for Environmental Integration (EMCEI 24)	Marrakech, Morocco	15-18/05/2024	Conference	RP4					D9.3: Communication Action Plan
ESA Agriculture Science Cluster Kick-off Meeting	Frascati, Italy	16-17/05/2024	Other	RP4					D9.3: Communication Action Plan
InART 2024 conference	Oslo, Norway	04/06/2024	Conference	RP4		1			D9.3: Communication Action Plan
8th General Assembly of the Copernicus Atmosphere Monitoring Service (CAMS)	Brussels, Belgium	10-13/06/2024	Other	RP4					D9.3: Communication Action Plan
International Radiation Symposium 2024	Hangzhou, China	17-21/6/2024	Conference	RP4		1			Oral Presentation – "Nowcasting and short-term forecasting of surface-level solar UV flux", Kyriakoula PAPACHRISTOPOULOU, NOA
43rd EARSeL Symposium	Manchester, UK	21/06/2024	Conference	RP4		1			D9.3: Communication Action Plan
31st International Laser Radar Conference (ILRC 2024)	Landshut, Germany	23-28/06/2024	Conference	RP4			1		D9.3: Communication Action Plan
International Radiation Symposium 2024 (IRS2024)	Hangzhou, China	24-28/06/2024	Conference	RP4			2		D9.3: Communication Action Plan

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IEEE World Congress on Computational Intelligence (WCCI 2024)	Yokohama, Japan	30/06-05/07/2024	Conference	RP4		1			D9.3: Communication Action Plan
44th International Geoscience and Remote Sensing Symposium (IGARSS 2024)	Athens, Greece	07-12/07/2024	Conference	RP4		5	13		D9.3: Communication Action Plan, and: Poster Presentation – "Strong Rain and Flood Danger Mapping for Cultural Heritage Sites", Thomas Krauss, DLR
ESPI Workshop "Space for Climate Resilience and Food Security in the Mediterranean Basin"	Online	09-10/07/2024	Workshop	RP4		2			D9.3: Communication Action Plan
NOA P4 CV Cloud Workshop	Athens, Greece	15/07/2024	Workshop	RP4					D9.3: Communication Action Plan
SCERIN MedRIN NASA Workshop	Chania, Greece	16-17/07/2024	Workshop	RP4		1			D9.3: Communication Action Plan
European Meteorological Society Annual Meeting 2024	Barcelona, Spain	02-06/09/2024	Conference	RP4			1		D9.3: Communication Action Plan
10th ESA PECS Call Briefing	Nicosia, Cyprus	08/10/2024	Other	RP4					D9.3: Communication Action Plan
EuroGEO Workshop 2024	Krakow, Poland	08-10/10/2024	Workshop	RP4		1			Oral Presentation – "GEO Initiative and GEO-CRADLE Program", Dr. Haris Kontoes, NOA
3rd Teaming Club Conference	Novi Sad, Serbia	09-11/10/2024	Conference	RP4					D9.3: Communication Action Plan
21st Panhellenic Phytopathological Conference	Paphos, Cyprus	04-07/11/2024	Conference	RP4		1	1		D9.3: Communication Action Plan
GIS Day 2024	Limassol, Cyprus	21/11/2024	Conference	RP4	1				D9.3: Communication Action Plan

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AGU Fall Meeting 2024	Washington D.C., USA	09-13/12/2024	Conference	RP4		1			Oral presentation: "The Impact of Australian, North American, and Siberian Wildfire Smoke on Cirrus Formation: Lidar Observations in Southern South America, Europe, and the High Arctic", Albert Ansmann, TROPOS
Combating the Illicit Trafficking of Cultural Property	Online	05/02/2025	Workshop	RP4		1			D9.3: Communication Action Plan
RSCy2025: 11th International Conference on Remote Sensing and Geoinformation of Environment	Paphos, Cyprus	17-19/03/2025	Conference	RP4		33	12		Present report, Section 2.3, and: Oral presentation – "The joint Cyprus Flight Campaign of Eratosthenes CoE and DLR (CERAD) of 2023", Thomas Krauss, DLR Oral presentation – "Generation of Digital Terrain Models from Digital Surface Models using a Watershed Transformation Approach", Thomas Krauss, DLR Oral presentation – "Multi-Parameter Flood Risk Assessment Methodology for Flash Floods in Urban River Basins: Case Study in Mandra, Greece", Alexia Tsouni, NOA Poster Presentation – "Wildfire Event Detection Using Social Media and Earth Observation Data", E. Valla, NOA
6th Annual ECoE International Workshop: "Sixth EXCELSIOR Annual Hybrid Workshop: Earth Observation Business Opportunities"	Online	17/03/2025	Workshop	RP4		5			Present report, Section 2.3 – detailed description in D9.15, due to 31/12/2027.
Career Days AUTH 2025	Thessaloniki, Greece	02-04/04/2025	Other	RP5					 ECoE participated in the Career Days 2025 at the Aristotle University of Thessaloniki to showcase its cutting-edge research environment and promote exciting employment opportunities. Through direct engagement with students and graduates, ECoE aimed to attract young talent interested in employment at ECoE.

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ISPRS Geospatial Week 2025: Photogrammetry and Remote Sensing for a Better Tomorrow	Dubai, United Arab Emirates	06/04-12/04/2025	Conference	RP5		2	5		ECoE actively participated in the ISPRS Geospatial Week 2025 (8-12 April 2025), presenting a series of research activities in the fields of Earth Observation and geospatial technologies. The Centre showcased multiple poster and oral contributions covering topics such as aerosol–cloud interactions, shoreline change analysis, cultural heritage monitoring through crowdsourcing, multi-hazard risk assessment, oil spill detection using SAR imagery and machine learning, forest management through IoT platforms, and remote sensing-based classification of grasslands. These contributions highlighted the breadth of the Centre's research portfolio and provided opportunities for scientific dissemination, knowledge exchange, and networking within the international geospatial community. • Synergistic use of ground-based multi-instrument platforms and satellite recordings to investigate the aerosol-cloud-dynamic interaction in Cyprus (Dr Hossein Panahifar, poster presentation) • Shoreline Change Assessment in Varosha, Famagusta, Cyprus: A Case Study of a Ghost Town Using Aerial Photographs and Very High-Resolution Satellite Data (1963–2024) (Dr. Christos Theocharidis, poster presentation) • Monitoring cultural heritage sites at risk using citizen engagement through crowdsourcing (Dr. Kyriacos Themistocleous, poster presentation) • Integration of Earth Observation and geospatial datasets for the development of a national multi-hazard risk assessment in Cyprus (Dr. Marios Tzouvaras, poster presentation) • Oil Spill Detection using Convolutional Neural Networks and Sentinel-1 SAR Imagery (Mrs. Eleftheria Kalogirou, poster presentation) • The contribution of remote sensing for the development of a Green-Holistic IoT Platform for Forest Management and Monitoring: Reforestation and Deforestation Modules (Mrs. Maria Prodromou, oral presentation) • Remote Sensing of Grasslands: Performance Comparison of Radar and Optical Data in Machine Learning Classification (Mr. Konstantinos Christofi, oral presentation)

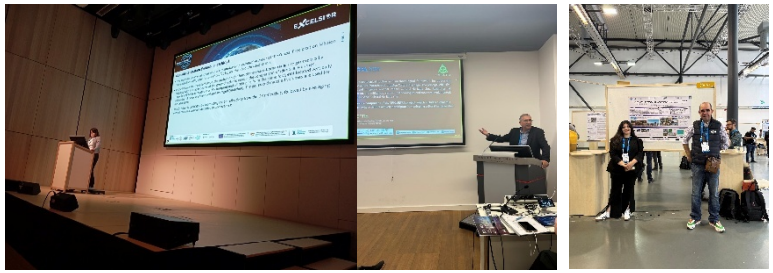
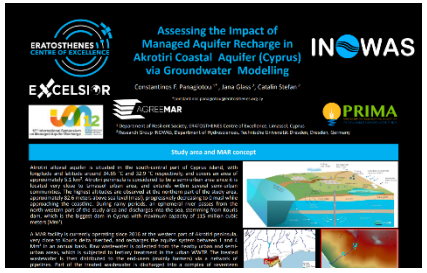
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Participation in the ENQA (European Association for Quality Assurance in Higher Education) meeting	Paphos, Cyprus	09-11/04/2025	Other	RP5		1			 During the ENQA (European Association for Quality Assurance in Higher Education) meeting held in Pafos, Prof. Diofantos Hadjimitsis had the opportunity to present the Centre's vision, mission, and core activities to Professor Pericles Mitkas, President of the Hellenic Authority for Higher Education (HAHE) and academic at the Aristotle University of Thessaloniki. The presentation highlighted ECoE's leading role in space-based research, Earth observation, and remote sensing applications within Cyprus and the broader Eastern Mediterranean region.
EGU General Assembly 2025	Vienna, Austria	27/04-02/05/2025	Conference	RP5		3	2		ECoE actively participated in the European Geosciences Union (EGU) General Assembly 2025, held in Vienna, Austria from 28 April to 2 May 2025, contributing multiple oral and poster presentations across key thematic areas. The Centre's contributions included research on landslide monitoring through integrated SAR, GNSS, rainfall, and laser scanning data; strategic infrastructure development for geohazard prevention via the CyCLOPS GNSS/InSAR network; weather radar calibration using GPM DPR data; and the monitoring of climate change impacts on cultural heritage through advanced visualisation and crowdsourcing approaches. In addition, a poster presentation addressed cloud observation activities over Limassol using CLOUDNET facilities. Participation in this major international event, which gathered a large global geoscience community, supported the dissemination of research results, engagement with the scientific community, and strengthened the visibility of ERATOSTHENES CoE in Earth observation and geohazard research domains.

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									• Oral presentation: Kyriaki Fotiou, Comprehensive Monitoring of the Active and Fast-moving Landslide of Pissouri village, Cyprus: Integrating SAR, GNSS, Rainfall and Laser Scanner Data • Oral presentation: Kyriacos Themistocleous, Monitoring Climate Change in Cultural Heritage Sites Through Enhanced Visualisation Experiences and Crowdsourcing • Oral presentation: Eleni Loulli, GPM DPR-Based Calibration of two Ground-based Weather Radars • Poster presentation: George Kotsias: Cloud observations over Limassol, Cyprus using CLOUDNET facilities • Poster presentation: Chris Danezis, Investing in Strategic Infrastructures for Geohazard Prevention in the Eastern Mediterranean Region: The CyCLOPS Integrated GNSS/InSAR Permanent Network and the Cyprus Ground Motion Service 
12th International Symposium on Managed Aquifer Recharge (ISMAR12)	Stellenbosch, South Africa	28/04-02/05/2025	Conference	RP5			1		 ECoE participated in the 12th International Symposium on Managed Aquifer Recharge (ISMAR12), held in Stellenbosch, South Africa, from 28 April to 2 May 2025. The symposium, focused on the theme "From Theory to Implementation and Operation," provided a platform for presenting and discussing advances in MAR research, implementation, and operational practices across multiple sectors. Within this context, ECoE contributed with a poster presentation entitled "Assessing the Impact of Managed

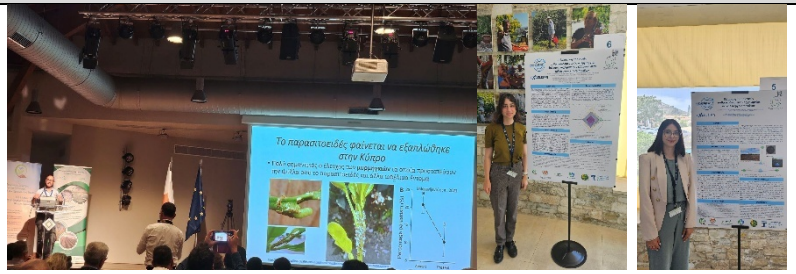
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									Aquifer Recharge in Akrotiri Coastal Aquifer (Cyprus) via Groundwater Modelling," highlighting the application of modelling approaches to evaluate MAR effectiveness in coastal aquifer systems. Participation in the symposium supported the dissemination of research results, engagement with the international water management community, and knowledge exchange on sustainable groundwater management practices.
Joint Urban Remote Sensing Event (JURSE 2025)	Tunis, Tunisia	03/05/2025	Conference	RP5			1		Poster Presentation – "Simulation of urban temperatures from very high resolution satellite imagery", Thomas Krauss, DLR
GEO Global Forum 2025 "The Earth Talks"	Rome, Italy	05-09/05/2025	Workshop	RP5		1			Oral Presentation – "GEO-CRADLE Enabling Mechanism", Dr. Alexia Tsouni, NOA
3rd Pan-Cyprian Conference on Agricultural Development: From Research to Practice	Lefkara, Limassol	08/05/2025	Conference	RP5			4		ECoE participated in the 3rd Pancyprian Conference "Rural Development: From Research to Practice" (3ο Παγκύπριο Συνέδριο «Αγροτική Ανάπτυξη: Από την Έρευνα στην Πράξη»), organised by the National Rural Network in collaboration with the Department of Agriculture, the Agricultural Research Institute, and the Cyprus University of Technology. The conference aimed to strengthen the link between research and agricultural applications, promote innovation in the agri-food sector, support the development of Operational Groups, and enhance the Agricultural Knowledge and Innovation System (AKIS) in Cyprus. ECoE contributed with multiple presentations addressing topics such as risk assessment of Mediterranean fruit fly infestations in citrus using satellite and in situ monitoring, the application and evaluation of carbon farming practices in potato and citrus cultivation, and the use of remote sensing techniques for the automated detection and monitoring of Xylella fastidiosa in olive groves. These contributions supported knowledge transfer and demonstrated the application of Earth Observation technologies in sustainable agricultural management.

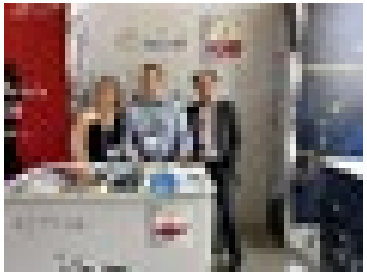
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Cyprus Diaspora Forum	Limassol, Cyprus	08/05/2025	Other	RP5					 ERATOSTHENES Centre of Excellence participated in the Cyprus Diaspora Forum 2025, held on 7-10 May 2025 in Limassol, a major international event connecting global Cypriot leaders, innovators, and investors. During the forum, the ECoE team engaged with the diaspora community and stakeholders, presenting key initiatives such as the launch of Space BIC Cyprus, aimed at supporting startups in the space and geospatial sectors. The participation also included discussions on research commercialisation, highlighting projects like CCRSS, and reinforced the Centre's role in fostering innovation, entrepreneurship, and international collaboration within the evolving space and technology ecosystem.
ECO-Ready International Conference	Limassol, Cyprus	12-15/05/2025	Conference	RP5	1	2			 ECoE contributed to a closed-door Horizon Europe event hosted by the Cyprus University of Technology under the ECO-Ready project, which brought together project partners, researchers, and policymakers to examine the interlinkages between biodiversity, food security, and climate action. The event featured presentations from multiple Horizon Europe projects, including BIOVALUE, COUSIN, LEGENDARY, CARBONICA, CERBERUS/ETAIN, NOSTRADAMUS, LANDSHIFT, AFROGROW, BRIGHTSPACE, and ModernAKIS, facilitating knowledge exchange on topics such as crop diversity, soil carbon management, agri-food innovation, and policy engagement. ECoE

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									contributed through a keynote presentation by Prof. Diofantos Hadjimitsis, as well as oral presentations delivered by Dr. Menelaos Stavrinides and Dr. Eleni Loulli. The event further included keynote contributions from external experts and supported dialogue on collaborative approaches towards resilient and sustainable food systems.
New Capabilities and Countries in European Space Conference	Frascati, Italy	14-15/05/2025	Conference	RP5		1			ECoE participated in the "New Capabilities and Countries in European Space" conference, where it contributed through a presentation delivered by Dr. Kyriacos Themistocleous. The presentation highlighted the Centre's mission, core activities, and developments in the field of Earth Observation and space-based applications. The event also provided valuable networking opportunities, enabling engagement with key stakeholders from the European space sector and supporting the strengthening of collaborations and visibility at the international level. 
Reflect Festival	Limassol, Cyprus	15-16/05/2025	Other	RP5					 ECoE participated in Reflect Festival 2025, held on 15-16 May in Limassol, Cyprus, one of the leading technology and entrepreneurship events in the region. Participation took place under the Cyprus Chamber of Commerce and Industry (CCCI) booth and aimed to enhance the Centre's visibility, foster strategic networking, and explore opportunities for collaboration across innovation ecosystems. Through targeted engagements with representatives from embassies, industry, and innovation-driven organisations, several potential collaboration pathways were identified, including follow-up discussions with stakeholders from international trade bodies, consulting firms, SME agencies, and diplomatic missions. The activity contributed to strengthening ECoE's positioning within regional and international innovation networks

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									and supported the exploration of synergies in technology development and business collaboration.
ACTRIS CCRES Cloud Remote Sensing Online Community workshop	Online	19-20/05/2025	Workshop	RP5					ECoE participated in the ACTRIS CCRES Cloud Remote Sensing Online Community workshop, held on 19–20 May 2025, which brought together members of the ACTRIS/Cloudnet community. The workshop included presentations on the operation, calibration, validation, and data management of key remote sensing instruments deployed at National Facilities, such as microwave radiometers, Doppler cloud radars, Doppler lidars, and disdrometers. In addition, updates were provided on EarthCARE calibration and validation activities, as well as recent scientific and technical developments within participating infrastructures. The event facilitated knowledge exchange and contributed to strengthening technical expertise in atmospheric observations and data quality assurance. 
Keros Field School 2025	Koufonisia, Greece	21-23/05/2025	Other	RP5					ECoE contributed to the Keros Project Field School 2025 through an invited lecture by Dr. Dante Abate: "Remote sensing for archaeological protection and techniques against illicit trafficking of Cultural property". The field school provided comprehensive training in archaeological excavation and post-excavation methodologies, including stratigraphic

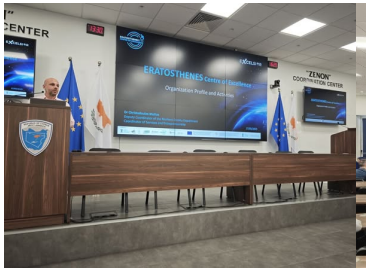
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									excavation, site documentation, survey techniques, photogrammetry, and laboratory analysis. Within this context, the invited presentation focused on the use of remote sensing for archaeological site protection and the prevention of illicit trafficking of cultural property. The activity supported knowledge exchange between Earth Observation experts and the archaeological community, highlighting the role of advanced geospatial technologies in cultural heritage monitoring and preservation.
12th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE) and SECOTOX Conference	Mykonos, Greece	25-29/05/2025	Conference	RP5			1		 ECoE participated in the CEMEPE 2025 conference with a poster presentation under the Climate Change thematic area entitled "Assessing the Urban Heat Island (UHI) effect using Land Surface Temperature (LST) and Normalized Difference Built up Index (NDBI) indexes: The case study of Paphos, Cyprus". The contribution focused on the application of Earth Observation data and geospatial indices to analyse urban heat dynamics, supporting improved understanding of urban climate impacts. Participation in the conference facilitated the dissemination of research findings and engagement with the scientific community on climate-related challenges and mitigation strategies.
HARMONIA COST Action Training School "Above the Clouds"	Izana, Tenerife	26-28/05/2025	Workshop	RP5					ECoE participated in the HARMONIA COST Action Training School "Above the Clouds", held at the Izaña Atmospheric Research Center in Tenerife, Spain (26-28 May 2025). The training provided specialised instruction on ACTRIS-related aerosol instrumentation, combining theoretical sessions with hands-on experience using in situ and remote sensing measurement systems, including CIMEL photometers and low-cost sensors. Participation focused on further developing expertise in atmospheric instrumentation techniques, supporting ongoing and future work in atmospheric monitoring and data collection. The activity also facilitated engagement with the international research community and enhanced technical capacity in advanced observational methods.

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CSDP Orientation Course	Nicosia, Cyprus	27/05/2025	Workshop	RP5					ECoE actively participated in the CSDP Orientation Course, contributing to European-level dialogue on international crisis management and security. The seminar, organised by the Cyprus Security and Defence Academy in cooperation with the Austrian National Defence Academy under the auspices of the European Security and Defence College, brought together more than 60 participants, including military officers, diplomats, and representatives from EU institutions and international missions. ECoE delivered a presentation during the participants' visit to the Joint Rescue Coordination Centre (JRCC), showcasing its capabilities in Earth Observation, geospatial technologies, and their applications in crisis response and disaster management. The participation reinforced the Centre's role in supporting European cooperation in security and defence, highlighting the added value of space-based technologies in enhancing situational awareness and operational decision-making.  
Investopia Global - Mediterranean	Limassol, Cyprus	09-10/06/2025	Other	RP5					ECoE participated in the Investopia Global Cyprus event, engaging in high-level meetings with representatives from the UAE Ministry of Economy, Ministry of Investments, the Ambassador of the UAE to Cyprus, and private sector stakeholders, particularly in the

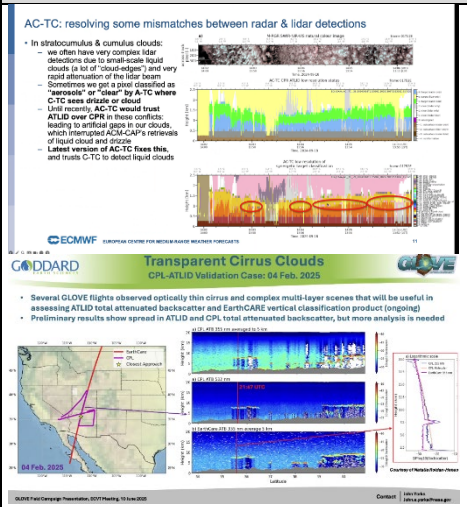
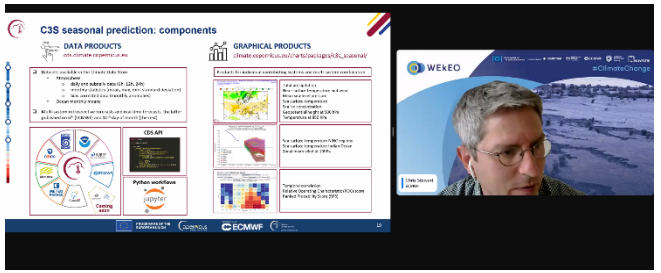
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									maritime domain. The Centre presented its mission and key technological capabilities, including PRECiRRi, NADI-RISK, MarSAP, and the planned SPACE BIC initiative, tailoring discussions to the interests of each stakeholder. The engagement also facilitated interaction with Cypriot entities active in the UAE and Gulf region, supporting dialogue on potential collaboration opportunities. These activities enhanced the Centre's visibility and contributed to establishing foundations for future UAE–Cyprus partnerships, with follow-up actions planned to further develop identified synergies.  
ECVT Cloud and Precipitation Subgroup Meeting #7	Online	10/06/2025	Workshop	RP5					ECoE participated in the 7th ECVT Cloud and Precipitation Subgroup Meeting held on 10 June 2025. During the meeting, updates were provided on the status of the EarthCARE mission, alongside presentations of relevant tools and initial results from calibration and validation (Cal/Val) teams. The activity supported knowledge exchange on cloud and precipitation observations and contributed to ongoing efforts in satellite data validation and atmospheric research.

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WEkEO 4 Climate Change 2025	Online	10-12/06/2025	Workshop	RP5					 ECoE participated in the WEkEO 4 Climate Change 2025 workshop, held on 10 and 12 June 2025, which focused on the capabilities and applications of the Copernicus WEkEO Service. The workshop introduced tools and methodologies for accessing and analysing Copernicus data, with the first day dedicated to presentations and demonstration of use cases, and the second day to hands-on training sessions. Practical exercises included live demonstrations using platforms such as Jupyter Notebooks, QGIS, and RStudio. The activity contributed to enhancing technical skills in Earth Observation data exploitation and supported the effective use of Copernicus services for climate-related analysis.

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ENFIELD Innovation and Space Workshop	Madrid, Spain	11-12/06/2025	Workshop	RP5					ECoE participated in the Innovation Workshop held on 11 June 2025 at the BOEING facilities in Madrid, Spain, which brought together researchers, innovators, and industry experts to explore developments in artificial intelligence. The workshop featured keynote and expert presentations addressing emerging trends in AI and innovation, alongside contributions from beneficiaries of the First Innovation Scheme Open Call, including representatives from academia, research organisations, and industry. The event provided a platform for knowledge exchange, presentation of innovative solutions, and networking, contributing to strengthening collaboration and supporting innovation activities within the ENFIELD network. 
ESA Living Planet 2025 Symposium	Vienna, Austria	23-27/06/2025	Conference	RP5		3	10		ECoE actively participated in the ESA Living Planet Symposium 2025 (23-27 June 2025) in Vienna, Austria, one of the leading global events in Earth Observation. The Centre contributed an extensive portfolio of oral and poster presentations covering key thematic areas, including agriculture monitoring, geohazards, climate change, atmospheric observations, disaster risk reduction, and cultural heritage protection. Notable contributions included an oral presentation on the CERBERUS project, research on flood and fire risk assessment, landslide detection, atmospheric monitoring using CARO infrastructure, and applications of Earth Observation for public sector services. In addition, ECoE contributed to the scientific programme through a session chair role and presentations on heritage at risk, including both oral and poster contributions. Participation in LPS25 facilitated the dissemination of research results, strengthened international visibility, and supported engagement with the global Earth Observation community, fostering collaboration across science, policy, and industry. • Oral Presentation: CERBERUS project presentation, Dr. Christiana Papoutsa

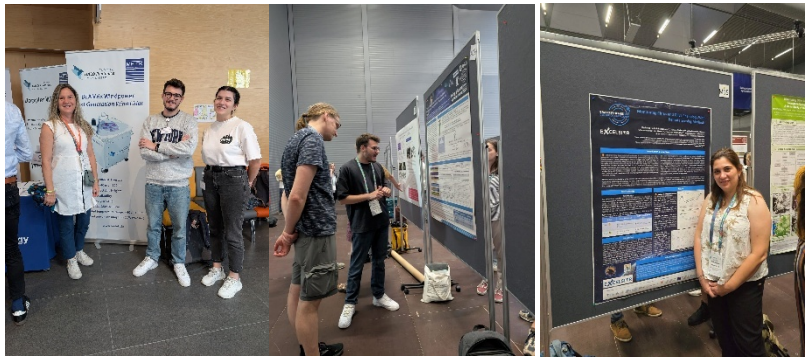
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Title	Location	Date	Event Type	RP	No. of keynote/ invited talks	No. of oral presentations	No. of poster presentations	No. of panel contributions	Detailed Reporting
									• Oral Presentation: "Holistic approach to flood risk assessment: innovative multi-parameter methodology validated in urban river basin affected by fatal flash flood and Landslides detection through remote sensing and ground truth investigations in Cyprus", Dr. Mariza Kaskara, NOA • Poster Presentation: Monitoring Citrus and Olive Phenology With Remote Sensing Methods, Dr. Christiana Papoutsa • Poster Presentation: Capacity Building Towards Raised Excellence on Artificial Intelligence and Earth Observation for Disaster Risk Reduction in the Framework of AI-OBSERVER Project, Dr. Marios Tzouvaras • Poster Presentation: Innovative multicriteria approach for flood risk assessment: A case study in Garyllis river basin, Cyprus, Dr. Constantinos Panagiotou & Dr. Christodoulos Mettas • Poster Presentation: Landslides detection through remote sensing and ground truth investigations in Cyprus, Dr. Marios Tzouvaras & Dr. Kyriacos Themistocleous • Poster Presentation: Cyprus Earth Observation for Public Sector (CEOPS) ESA PECS Project: Bridging EO Innovation and Public Sector, Dr. Eleni Loulli & Dr. Kyriacos Themistocleous • Poster Presentation: The Potential of the ERATOSTHENES CARO National Facility in the EMMENA Region: Observations over Cyprus During the First Year of EarthCARE Mission, Dr. Rodanthi Elisavet Mamouri & Mr Constantinos Chrysostomou • Poster Presentation: Development and Optimization of a Machine Learning Fire Risk Prediction Model Using Multimodal Geospatial and Climate Data in Cyprus, Dr. Christodoulos Mettas & Dr. Marios Tzouvaras • Poster Presentation: Monitoring Atmospheric 3D Winds with the HALO Doppler Wind Lidar at the CARO National Facility in Limassol, Cyprus, Dr. Rodanthi Elisavet Mamouri & Mr Constantinos Chrysostomou • Poster Presentation: Study of Aerosol Cloud Interaction in the Eastern Mediterranean: Long-term lidar Observations over Cyprus, Dr. Rodanthi Elisavet Mamouri & Mr Constantinos Chrysostomou • Session Chair: Dr. Kyriacos Themistocleous | Chair at Session B.03.05 Heritage at Risk: Innovative Tools for Assessing and Mitigating Climate Change and Natural Hazards (Room 0.49/0.50) • Oral Presentation: Analysis of Earthquake-Induced Landslide Scenarios under Changing Environmental Conditions: A Case Study of the Choirokoitia Cultural Heritage Site, Cyprus, Dr. Kyriacos Themistocleous

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Title	Location	Date	Event Type	RP	No. of keynote/ invited talks	No. of oral presentations	No. of poster presentations	No. of panel contributions	Detailed Reporting
									• Poster Presentation: Using citizen engagement through crowdsourcing to monitor heritage at risk, Dr. Kyriacos Themistocleous  

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7th Euro-Mediterranean Conference for Environmental Integration (EMCEI-2025)	Reggio Calabria	23-26/06/2025	Conference	RP5		1			 ECoE participated in the 7th Euro-Mediterranean Conference for Environmental Integration (EMCEI-2025), contributing with an oral presentation entitled "Seagrass Mapping in Cyprus using Cloud Computing and Machine Learning." The conference serves as a key platform for advancing environmental research and fostering collaboration across the Euro-Mediterranean region and beyond. The presented work highlighted the application of advanced computational and Earth Observation techniques for the monitoring of marine ecosystems, supporting improved environmental management and protection. Participation in EMCEI-2025 facilitated the dissemination of research results and engagement with the international scientific community in the field of environmental science. Oral Presentation: Seagrass mapping in Cyprus using Cloud-computing and Machine-learning, Despoina Makri.
"Commercial Earth Observation for Boosting Policy Impact?" evening debate	Vienna, Austria	25/06/2025	Other	RP5					ECoE participated in the evening debate "Commercial Earth Observation for Boosting Policy Impact?", held on 25 June 2025 in Vienna and organised by the European Space Policy Institute (ESPI) and ISPRS. The event brought together leading representatives from space agencies, government, academia, and industry to explore the role of commercial Earth Observation in shaping policies and driving innovation. ECoE and the EXCELSIOR project were represented by Dr. Kyriacos Themistocleous and Mr. Gunter Schreier, contributing to discussions on the integration of Earth Observation data into decision-making processes. The participation enabled engagement with key international stakeholders, including representatives from the African Space Agency, fostering dialogue on the global impact of EO technologies. The event further strengthened the Centre's international presence and collaboration network, reinforcing its role in advancing the use of space-based data for policy development and innovation.

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12th International Conference on Sustainable Solid Waste Management	Paphos, Cyprus	27/06/2025	Conference	RP5		1			 ECoE participated in the 12th International Conference on Sustainable Solid Waste Management, held on 27 June 2025 in Paphos, contributing to discussions on environmental sustainability and innovation. During the conference, Prof. Diofantos Hadjimitsis presented the EXCELSIOR H2020 Teaming Project and highlighted the latest activities of ECoE, showcasing its role in advancing research and technological solutions in environmental monitoring and geospatial applications. The event also provided an opportunity to strengthen academic collaboration, including discussions with Prof. Maria Loizidou from the National Technical University of Athens on future joint initiatives in environmental science, sustainable development, and innovation.
PANGEA4CalVal Summer School	Athens, Greece	21-25/07/2025	Workshop	RP5					 ECoE participated in the PANGEA4CalVal (P4CV) Summer School on Aerosol, Cloud, and Precipitation Remote Sensing, held in Athens, Greece, from 21 to 25 July 2025. The training focused on advanced topics related to Earth Observation, including the exploitation of EarthCARE and WIVERN mission products, calibration and validation (Cal/Val) methodologies for aerosol and cloud measurements, and radiative transfer processes in different atmospheric conditions. The programme combined lectures, hands-on sessions, and expert-led discussions, contributing to the enhancement of technical expertise in

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									atmospheric remote sensing and supporting knowledge exchange within the scientific community.
45th International Geoscience and Remote Sensing Symposium (IGARSS 2025)	Brisbane, Australia	03-08/08/2025	Conference			1	1		Oral Presentation: "Introduction to GEO and Regional GEOs", Dr. Haris Kontoes, NOA Poster Presentation: "GRSS contribution in Education and Capacity Building for GEO: the GEO-CRADLE GEO Enabling Mechanism", Dr. Alexia Tsouni, NOA Moderation of the Technology, Industry and Education (TIE) session entitled "Advances and Applications in Earth Observation for SDGs: Accelerating Earth Intelligence in the Context of GEO", Dr. Haris Kontoes, NOA
European Aerosol Conference 2025 (EAC 2025)	Lecce, Italy	31/08-05/09/2025	Conference	RP5			3		ECoE participated in the European Aerosol Conference (EAC 2025), held in Lecce, Italy from 31 August to 5 September 2025, contributing to scientific discussions on atmospheric monitoring and aerosol research. Researchers from the Cyprus Atmospheric Remote Sensing Observatory (CARO) presented several poster contributions addressing aerosol properties and atmospheric observations in the Eastern Mediterranean, including studies on lidar and photometer data synergy, aerosol climatology, and observational insights from CARO. Participation also enabled engagement with the ACTRIS community, supporting collaboration and knowledge exchange within the European atmospheric research infrastructure. Poster presentations: • Hossein Panahifar: Advancing Atmospheric Research in the Eastern Mediterranean: Insights from the Cyprus Atmospheric Remote Sensing Observatory (presented by A.Savva). • Athina Savva: Synergy of PollyXT lidar & sun/sky photometer to retrieve aerosol properties utilizing the GRASP algorithm in Limassol, Cyprus. • Francesco Scarlatti: Climatology of aerosol optical properties in Cyprus based on aerosol type classification from AERONET and lidar data.

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ACTRIS CCRES/CLU Training School	Munich, Germany	02-05/09/2025	Workshop	RP5					 ECoE participated in the ACTRIS Cloud Remote Sensing Training School in LMU (Munich). This training school was focused on the instruments used for cloud-related studies such as the Doppler Cloud Radar (DCR), the Microwave Radiometer, the Disdrometer, and the Doppler Lidar, all of which are available at the CARO Ground-based Station. More specifically, lectures were given in the morning hours of each day about the operational details and theoretical aspects of the operation of all the above instruments, whereas in the afternoon hands-on sessions were conducted focusing either on their calibration processes or on how to process their data.

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9th Copernicus Atmosphere Monitoring Service (CAMS) General Assembly	Prague, Czech Republic	03-05/09/2025	Other	RP5					 ECoE participated in the 9th General Assembly of the Copernicus Atmosphere Monitoring Service (CAMS), held on 3-5 September 2025 in Prague, Czech Republic. The event brought together a wide range of stakeholders, including researchers, data providers, service developers, and end users, providing a platform to present recent developments and discuss future priorities in atmospheric monitoring services. The programme included plenary sessions, invited breakout discussions, and thematic exchanges, focusing on scientific advancements, service evolution, and user requirements. Participation enabled ECoE to engage with the CAMS community, contribute to discussions on service improvement, and strengthen collaboration and networking within the European Earth Observation ecosystem.
EUROCrim2025 Annual Conference of the European Society of Criminology (ESC)	Athens, Greece	04-16/09/2025	Conference	RP5		1			 ECoE contributed to the Annual Conference of the European Society of Criminology (ESC) EUROCRIM 2025 through participation in a panel discussion focusing on the protection of archaeological sites against criminal activities. The Centre was represented in sessions addressing innovative and preventative approaches to heritage protection, including the introduction of the REVITALISER project and the exploration of monitoring practices at archaeological sites. Contributions highlighted the use of advanced technologies and interdisciplinary methodologies for safeguarding cultural heritage, while fostering dialogue with international experts from academia and research organisations. Participation supported knowledge exchange and strengthened engagement in addressing challenges related to heritage crime and site protection.

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WEkEO 4 Ice Monitoring	Online	08-10/09/2025	Workshop	RP5					 ECoE participated in the WEkEO 4 Ice Monitoring 2025 workshop, held online from 8 to 10 September 2025, which focused on the use of Copernicus WEkEO services for monitoring the cryosphere and assessing climate change impacts. The workshop addressed key topics such as iceberg tracking, sea level rise, ice loss, and their implications for Earth system dynamics. It also included practical sessions with live demonstrations on the use of Copernicus data through platforms such as Jupyter Notebooks, QGIS, and RStudio. Participation contributed to enhancing technical expertise in the use of Earth Observation data for climate monitoring and supported knowledge exchange on emerging tools and applications in cryosphere research.
Digital Heritage 2025 Conference	Siena, Italy	08-13/09/2025	Conference	RP5		1			 ECoE participated in the Digital Heritage 2025 conference, contributing to a specialised workshop entitled "Safeguarding the Past: Blending Digital and Traditional Tools to Combat Illicit Excavations and Cultural Property Trafficking," organised within the framework of the REVITALISER project. The workshop brought together researchers, practitioners, and institutional stakeholders to explore interdisciplinary approaches to cultural property protection, addressing the growing challenges of illicit excavations and trafficking. The contribution focused on the integration of advanced digital technologies, such as Earth Observation, Artificial Intelligence, and 2D/3D data acquisition, with traditional archaeological methods and policy frameworks. Particular emphasis was placed on the use of satellite imagery and automated analysis for detecting and monitoring looting activities, as well as the application of AI and machine learning techniques for large-scale analysis of archaeological sites and landscape disturbances. In parallel, the workshop addressed the legal, policy, and criminological

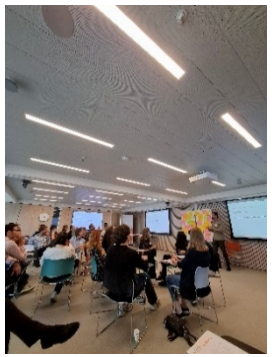
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									dimensions of cultural heritage protection, highlighting the importance of coordinated international responses and evidence-based strategies.
AIIH 2025 Conference	Cambridge/UK	08-10/09/2025	Conference	RP5		1			ECoE participated in the International Conference on Artificial Intelligence in Healthcare (AIiH 2025), held in September 2025 at the University of Cambridge, United Kingdom. The conference brought together an international community of researchers and practitioners from 27 countries, providing a platform for the presentation and discussion of cutting-edge research in AI applications in healthcare. The programme included peer-reviewed scientific contributions, keynote lectures, tutorials, and panel discussions addressing topics such as large language models and responsible AI. Participation enabled engagement with leading experts and emerging research trends, supporting knowledge exchange and the exploration of potential interdisciplinary applications of artificial intelligence within the Centre's areas of expertise. Oral presentation: Multi-Modal Deep Learning with Spatial Transformers for Biparametric MRI Prostate Cancer Classification, Dr. Charalambos Chrysostomou.
European Lidar Conference (ELC) 2025	Warsaw, Poland	09-12/09/2025	Conference	RP5		2	1		ECoE participated in the European Lidar Conference 2025 (ELC2025) and the EARLINET General Assembly Meeting, held from 9 to 12 September 2025 in Warsaw, Poland. The Centre contributed with multiple scientific presentations related to atmospheric observations and aerosol research. An oral presentation by Mr. Konstantinos Chrysostomou addressed a dual-field-of-view depolarization approach using PollyXT Raman lidar for the characterisation of aerosol–cloud interactions in Cyprus. Additionally, a poster presentation by Ms. Athina Savva, co-presented with Ms. Maria Poutli, focused on the optical and microphysical properties of Arabian and Saharan dust using synergistic lidar and sun photometer observations. Ms. Maria Poutli also delivered an oral presentation on smoke optical properties in the Eastern Mediterranean based on lidar measurements in Cyprus. Participation in the conference supported the dissemination of research results, strengthened collaboration within the EARLINET community, and enhanced expertise in advanced atmospheric remote sensing techniques. • Oral presentation: ""Dual-Field-of-View Depolarization approach using the PollyXT Raman Lidar: Characterization of aerosol-cloud interactions in the semi-arid climate of Cyprus"", Konstantinos Chrysostomou • Poster presetnation: ""Arabian and Saharan Dust Optical and Microphysical Properties: Synergy of CARO Limassol PollyXT Lidar, and Sun Photometer observations using GRASP algorithm"", Athina Savva and Maria Poutli

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Title	Location	Date	Event Type	RP	No. of keynote/ invited talks	No. of oral presentations	No. of poster presentations	No. of panel contributions	Detailed Reporting
									• Oral presentation: "Investigating Smoke Optical Properties in the Eastern Mediterranean: Lidar Observations in Cyprus"", Maria Poutli 
COST Action Leadership Programme Training	Brussels, Belgium	10/09/2025	Workshop	RP5					  ECoE participated in the COST Academy Leadership Programme Training, aimed at enhancing leadership, governance, and sustainability capacities within COST Actions. The training, held in September 2025, brought together early-career researchers and Action participants, providing a structured programme of presentations, peer exchanges, and interactive group exercises. Through this activity, participants strengthened their understanding of COST frameworks, including management, communication, and coordination requirements, while developing transferable skills relevant to leadership roles. The programme contributed to building institutional capacity and preparing participants to effectively support and lead COST Action activities.

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SPIE Sensors + Imaging Conference	Madrid, Spain	15-18/09/2025	Conference	RP5		3			ECoE participated in the SPIE Sensors + Imaging event, a leading European forum on environmental remote sensing, photonics, and security-related sensing technologies. The Centre contributed to multiple roles, including membership in the Programme Committee for the "Earth Resources and Environmental Remote Sensing/GIS Applications XVI" conference and coordination of sessions as Session Chair for "Remote Sensing for Archaeology, Preservation of Cultural and Natural Heritage." In addition, ECoE contributed with several oral presentations addressing applications of Earth Observation and geospatial technologies, including methodologies for detecting water pipeline leakages using high-resolution satellite imagery and ground data, approaches for monitoring cultural heritage under climate change impacts through enhanced visitor experience, and techniques for digitisation and 3D replication of heritage assets. Participation in the event supported the dissemination of research outputs, engagement with the international scientific and industrial community, and strengthening of expertise and visibility in advanced sensing and imaging applications. • Program Committee, Earth Resources and Environmental Remote Sensing/GIS Applications XVI • Session Chair, Session 1: Remote Sensing for Archaeology, Preservation of Cultural and Natural Heritage • Oral presentation: Detection of water pipeline leakages using high-resolution satellite imagery and auxiliary ground data in Cyprus: case study of community councils of Doros and Monagri • Oral presentation: Innovative methods for monitoring cultural heritage affected by climate change by enhancing visitor experience • Oral presentation: Transforming history through digitization and 3D heritage replication

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MSCA Presidency Conference	Copenhagen, Denmark	18-19/09/2025	Conference	RP5		1			ECoE was represented at the MSCA Presidency Conference 2025 and the MSCA Falling Walls Lab competition, held on 18–19 September 2025 at the Technical University of Denmark (DTU) in Copenhagen, within the framework of the Danish Presidency of the Council of the EU. Dr. Dante Abate was selected among the finalists, presenting his research in a highly competitive environment that brought together outstanding researchers from across Europe. The participation involved a short-format pitch, challenging participants to communicate complex scientific ideas in an accessible and impactful way to a broad audience.
Athens Space Safety Industry Briefing	Athens, Greece	18/09/2025	Other	RP5					ECoE participated in the Athens Space Safety Industry Briefing 2025, organised by the European Space Agency (ESA) on 18 September 2025 at the Greek Ministry of Digital Governance. The event focused on the ESA Space Safety Programme's priorities for 2025-2028, bringing together industry, research, and institutional stakeholders to discuss future developments and collaboration opportunities. ECoE was represented by Prof. Diofantos Hadjimitsis, contributing to discussions on space safety and innovation, while EXCELSIOR partner NOA participated through its BEYOND EO Centre, presenting Greece's activities in Space Situational Awareness (SSA). The event provided valuable opportunities for knowledge exchange, B2B engagement, and strengthening collaboration within the European space safety ecosystem.In particular, a high-level meeting was held with the Secretary General for Telecommunications and Posts of the Greek Ministry of Digital Governance, Prof Konstantinos Karantzalos, together with Dr. Haris Kontoes from the National Observatory of Athens, to strengthen strategic cooperation between Greece and Cyprus in the field of space and Earth observation. Discussions focused on bilateral cooperation in digital governance and space, Greece's National Microsatellite

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									Programme, the EXCELSIOR H2020 Teaming project, and existing and upcoming Earth observation infrastructures in both countries. 
4th Doha Conference on Combating the Illicit Trafficking of Cultural Property	Doha, Qatar	21-24/09/2025	Conference	RP5		1			ECoE was represented at the 4th Doha Conference on Combating the Illicit Trafficking of Cultural Property, focusing on crisis preparedness and the protection of cultural heritage. As an invited speaker, Dr. Dante Abate contributed to the international dialogue by presenting the Centre's work on AI-driven methods for cultural property protection, highlighting approaches for prevention, monitoring, and awareness against illicit excavations and trafficking. The participation provided an important platform to showcase ECoE's expertise at the global level, strengthening its presence in international initiatives related to cultural heritage safeguarding. The conference also offered valuable opportunities for networking, knowledge exchange, and the development of future collaborations with experts and organisations working towards the protection of cultural heritage worldwide. Oral Presentation: ""AI-Driven Methods for Cultural Property Protection: Prevention, Monitoring, and Awareness"", Dr. Dante Abate
17th International Conference on Meteorology, Climatology & Atmospheric Physics (COMECAP 2025)	Nicosia, Cyprus	29/09-01/10/2025	Conference	RP5		4	3		Present report, Section 2.7.

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GITEX Global 2025	Dubai, UAE	13-17/10/2025	Conference	RP5					 ECoE participated in GITEX GLOBAL 2025, held in Dubai from 13-17 October 2025, one of the largest international events in technology, artificial intelligence, and innovation. The event brought together a global ecosystem of technology providers, startups, investors, and institutional stakeholders, providing a platform for showcasing advanced solutions and fostering collaboration. During the event, ECoE presented key elements of its technological portfolio, including PRECiRRi (smart irrigation and agricultural management), NADI-RISK (natural disaster risk assessment), MARS (maritime situational awareness), and the ERATOSTHENES Smart Data Acquisition Station (sDAS), which enables near real-time satellite data reception for applications in disaster response, climate monitoring, and maritime and land surveillance. The Centre engaged in targeted networking with international stakeholders from public authorities, research organisations, and industry, exploring opportunities for collaboration in areas such as Earth Observation, space technologies, and AI-driven applications.
Seventh Joint ECMWF/ESA/EUMETSAT Training on Atmospheric Composition	Brussels, Belgium	13-17/10/2025	Workshop	RP5					 ECoE participated in the 7th Joint Training Course on Atmospheric Composition, organised by EUMETSAT, ESA, ECMWF, and the Copernicus Atmosphere Monitoring Service (CAMS), held in October 2025 with an online preparatory phase followed by on-site training in Brussels, Belgium, hosted by the Royal Belgian Institute for Space Aeronomy (BIRA-IASB). The training provided a comprehensive overview of state-of-the-art approaches in atmospheric composition monitoring and modelling, with emphasis on chemistry–climate interactions, remote sensing observations, and data analysis methodologies. Participation contributed to enhancing technical expertise in accessing and exploiting advanced atmospheric datasets, while fostering collaboration with international experts and supporting the development of applied research and analytical capabilities.

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4th Teaming Club Conference	Porto, Portugal	15-17/10/2025	Conference	RP5					  ECoE participated in the Teaming Club Conference, an annual gathering of Centres of Excellence established under the Horizon 2020 and Horizon Europe "Teaming for Excellence" programmes. The conference brought together representatives from approximately 50 Teaming projects, along with European Commission officials and national stakeholders, providing a platform for knowledge exchange, experience sharing, and collaborative networking. The 2025 edition focused on "Delivering effective strategies for long-term sustainability," addressing key challenges faced by Centres of Excellence beyond EU funding. Discussions covered topics such as the establishment and sustainability of research infrastructures, strategies for attracting and retaining international talent, strengthening innovation and market uptake, and securing diversified funding sources. Through participation in plenary sessions, thematic discussions, and networking activities, ECoE engaged with the wider Teaming community, contributing to the exchange of best practices and supporting the development of long-term strategic approaches for sustainability and impact.

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EMC Cyprus 2025 (Eastern Mediterranean Energy Conference & Exhibition)	Limassol, Cyprus	20-21/10/2025	Conference	RP5					  ECoE participated in the Eastern Mediterranean Energy Conference & Exhibition (EMC Cyprus 2025), held on 20-21 October 2025 in Limassol. The event brought together a wide range of stakeholders from the energy sector, including government representatives, industry leaders, technology providers, and investors, providing a platform for dialogue on energy security, decarbonisation, and technological innovation in the region. During the event, ECoE engaged in targeted networking and bilateral discussions with representatives from international organisations and companies, including entities from Cyprus, Italy, the United States, Egypt, France, and the United Arab Emirates. These exchanges focused on exploring potential collaboration opportunities related to the Centre's solutions in areas such as energy and offshore safety, environmental monitoring, surveillance applications, and natural disaster risk management. Participation strengthened the Centre's engagement with the energy sector and supported the identification of synergies for future innovation and technology uptake.
ACTRIS Week 2025	Evora, Portugal	21-23/10/2025	Conference	RP5		1			ECoE participated in ACTRIS Week 2025, held from 21 to 23 October 2025 at the University of Évora in Portugal. The event brought together members of the ACTRIS community to review the current status, progress, key milestones, and future priorities of the research infrastructure. Dedicated technical sessions were organised for the aerosol (CARS-ARES) and cloud and precipitation (CCRES) groups, attended by representatives of the Centre. ECoE contributed to the CCRES session with a presentation on the CARO Ground-Based Station (GBS), aiming to enhance its visibility and foster collaboration within the ACTRIS network. Participation supported knowledge exchange and strengthened engagement in European atmospheric research activities.

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Synergy Days 2025	Rotterdam, Netherlands	21-22/10/2025	Workshop	RP5		1			ECoE participated in Synergy Days 2025, held on 21–22 October 2025 in Rotterdam, contributing to discussions on international cooperation in sustainable agriculture and innovation. During the event, Dr. Ioannis Varvaris, together with representatives from CIFOR-ICRAF, presented the AfroGrow project, highlighting the development of six Living Labs aimed at supporting local communities and strengthening EU–Africa collaboration in the agri-food sector. The presentation also showcased activities in Kenya and Zambia, including soil-health mapping and the advancement of the Re-Greening Africa application, underlining the role of Earth Observation and digital tools in promoting sustainable land management and scaling innovative agricultural practices.
IEEE MetroAgriFor 2025	Bologna, Italy	28-30/10/2025	Conference	RP5		1			ECoE participated in the MetroAgriFor 2025 Conference with an oral presentation entitled "Water Stress Assessment in Mediterranean Citrus Orchards Using Machine Learning and Remote Sensing," delivered by Mr. Stelios Neophytides. The presentation highlighted the application of advanced Earth Observation data and machine learning techniques for monitoring water stress in citrus crops, contributing to improved irrigation management and sustainable agricultural practices. Participation in the conference supported the dissemination of research outcomes and engagement with the international scientific community in the fields of agriculture, forestry, and environmental monitoring. Oral Presentation: "Water Stress Assessment in Mediterranean Citrus Orchards Using Machine Learning and Remote Sensing", Stelios Neophytides
Mediterranean Archaeological Tourism	Paestum, Italy	31/10-02/11/2025	Conference	RP5		1			ECoE participated in the Mediterranean Exchange of Archaeological Tourism (BMTA 2025), held in Paestum, Italy, contributing to a dedicated session on digital approaches for cultural heritage. Within the session entitled "Living Forever the Past through a 3D Digital World,"

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Exchange in Paestum (BMTA 2025)									 the Centre presented initial results from the LiP3D project, focusing on the development of 3D models of archaeological sites and cultural heritage assets. ECoE contributed through a presentation on the use of 3D reconstruction methods for historical interpretation and documentation of cultural heritage in Cyprus. The session brought together academic and research partners, facilitating the exchange of expertise on 3D modelling, virtualisation, and digital dissemination of heritage.
POLCYBER 2025: Polish-Cypriot Cooperation on Defence and Cybersecurity (KEBE)	Nicosia, Cyprus	06/11/2025	Other	RP5					 ECoE participated in the POLCYBER 2025 Forum: Polish-Cypriot Cooperation on Defence & Cybersecurity, organised by the Cyprus Chamber of Commerce & Industry (CCCI) in collaboration with the Embassy of Poland in Cyprus. Held on 6 November 2025 at the CCCI premises in Nicosia, the event focused on strengthening bilateral ties between Cyprus and Poland in defence, cybersecurity, and  advanced technologies, while fostering collaboration among companies, research institutions, and technology organisations from both nations. ERATOSTHENES CoE presented its advanced capabilities for safety, surveillance, and defence applications, including the Earth Observation Satellite Data Acquisition Station (sDAS) for near real-time data during disasters and security operations; Border Surveillance System with UAVs; Marine Safety and Security Tool; NADI-RISK Natural Disaster Risk Assessment Tool; and Cyprus Earth Observation Data Cube. Attendees & Participants included representatives from Cypriot and Polish government ministries (e.g., Defence, Digital Affairs, Research), chambers of commerce, research institutions (e.g., CARIE, Eratosthenes CoE), clusters (e.g., Cyprus Defence Cluster, Aviation Valley Poland), and private companies focused on cybersecurity and defence.

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17th International Interdisciplinary Field Workshop of Maritime Robotics and Applications - Breaking the Surface (BtS)	Limassol, Cyprus	09-14/11/2025	Workshop	RP5					 ECoE participated in the 17th International Interdisciplinary Field Workshop on Maritime Robotics and Applications (Breaking the Surface 2025), hosted by the Cyprus Marine and Maritime Institute (CMMI) in Cyprus. The event brought together an international community of experts, researchers, industry representatives, and students, covering a wide range of disciplines including maritime robotics, marine biology, maritime archaeology, marine geology, and maritime security. The programme combined lectures, hands-on tutorials, field demonstrations, and panel discussions, providing opportunities to explore state-of-the-art technologies and applications in underwater and maritime systems. Participation enabled ECoE to engage with cutting-edge research, enhance interdisciplinary knowledge, and strengthen connections with international stakeholders in maritime science and robotics.
MedGU 2025 Mediterranean Geosciences Union	Athens, Greece	10-12/11/2025	Conference	RP5		8			ECoE participated in the 5th Annual Meeting of the Mediterranean Geosciences Union (MedGU-25), held from 10 to 12 November 2025 in Athens, Greece. The conference brought together an international community of geoscientists to present and discuss recent advances across Earth and planetary sciences, fostering collaboration and knowledge exchange at global and regional levels. ECoE contributed extensively to the scientific programme through multiple oral presentations addressing key topics in Earth Observation, environmental monitoring, and geospatial analysis. These included research on hydraulic modelling for flood risk assessment, post-fire reforestation monitoring, landslide susceptibility analysis, and detection of agricultural practices using satellite data. Additional contributions focused on hyperspectral imaging applications in agriculture, the development of a national carbon credit registry, and the role of the ERATOSTHENES CoE as a digital innovation hub within the EXCELSIOR project and in the context of AI-driven Earth Observation. Participation in MedGU-25 supported the dissemination of research results, strengthened engagement with the international geoscience community, and reinforced the Centre's role in advancing innovative solutions for environmental and societal challenges. Oral Presentations:

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									• "Two-Dimesional hydraulic modelling of the Garyllis River basin using HEC-RAS: Multi-scenario simulation based on Curve Number and rainfall durations", Mrs. Josephina Kountouri • "The establishment of the ERATOSTHENES CENTRE OF EXCELLENCE in Cyprus and the EMMENA region as a digital innovation hub in earth observation and geospatial information through the EXCELSIOR Teaming project: 2019-2027", Prof. Diofantos Hadjimitsis • "Hyperspectral imaging efficiency in diffuse reflectance for the accurate assessment of Hass avocado fruit ripening", Mrs Dhouha Ouerfelli • "Assessing Post-Fire Reforestation Effectiveness Using Multisource Time Series Data", Dr Maria Prodromou • "Detection of Herbicide Applications in Vineyards Using Bitemporal Satellite Imagery", Dr. Eleni Loulli • "Advancing Rainfall-Driven Landslide Susceptibility Models: A Case Study from the Broader Trachypedoula Area, Cyprus", Dr. Kyriaki Fotiou • "The Development of a National Carbon Credit Registry in Cyprus", Dr. Marios Tzouvaras • "Earth Observation Capabilities of the Eratosthenes Centre of Excellence through Artificial Intelligence: Lessons learned through the 'AI-OBSERVER Twinning Project'", Prof. Diofantos Hadjimitsis  
Cyprus France Cooperation & Innovation Forum (KEBE)	Nicosia, Cyprus	13/11/2025	Other	RP5					ECoE participated in the Cyprus–France Innovation & Cooperation Forum on 13 November 2025, organised by the Cyprus Chamber of Commerce & Industry (CCCI), the Embassy of France in Cyprus, and the Cyprus–France Business Association. Presentations at CCCI premises highlighted ECoE's expertise in space technologies, Earth Observation, remote sensing, and the SPACE BIC incubator, alongside key French companies including Airbus, Arkelocean, Couach, Diasys, Finesse, Ocealum, Safran, and Thales. Discussions covered collaborations with Safran (satellite Data Acquisition Station supplier), cultural heritage

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									projects with the University of Marseille, and opportunities in safety, surveillance, defence space applications, research, and innovation. The event concluded with a networking at the Residence of the French Ambassador in Nicosia, providing an ideal setting for B2B engagements and relationship-building. This participation advances bilateral Cyprus–France ties in innovation and sustainable growth. 
Space Tech Expo Europe 2025	Bremen, Germany	17-20/11/2025	Other	RP5					ECoE participated in Space Tech Expo Europe 2025, held from 18 to 20 November 2025 in Bremen, Germany, one of the leading international B2B events in the space sector. The exhibition brought together over 10,000 participants, including industry leaders, space agencies, startups, and technology providers, as well as a strong representation from the ESA BIC network and European space ecosystem.  Participation focused on promoting the Centre's capabilities in Earth Observation and space technologies, with particular emphasis on the Data Acquisition Station (DAS) and its ability to deliver integrated solutions through advanced infrastructure, including fiber optic networks, international points of presence, hosting facilities, and near real-time satellite data services. Throughout the event, ECoE engaged in numerous bilateral meetings with potential partners and users, exploring opportunities for collaboration and service deployment. In parallel, targeted networking with ESA BICs and other European space incubators supported the identification of synergies for training, support services, and joint activities

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									under the Space BIC framework. Follow-up actions have been initiated to further develop collaborations and strengthen engagement with the European space innovation ecosystem, contributing to the Centre's visibility and positioning within the international space sector.
GIS Day 2025	Limassol, Cyprus	20/11/2025	Workshop	RP5		2			ECoE and the EXCELSIOR project co-organised and participated in the GIS Day 2025, held at the Cyprus University of Technology (CUT) and co-organized with the Department of Civil Engineering and Geomatics of CUT and the Cyprus Association of Surveyors. The event brought together professionals, students, and public sector representatives to explore modern GIS applications and their role in innovation and society.  Prof. Diofantos Hadjimitsis delivered welcome remarks, highlighting the importance of geospatial technologies in addressing contemporary challenges, while Dr. Neophytos Stylianou presented practical applications of GIS for municipalities in Limassol, building on ongoing collaborations and projects that support smart city development and data-driven urban planning.
EarthCARE Science and Validation Workshop	Tokyo Japan	01-05/12/2025	Conference	RP5			2		ECoE participated in the EarthCARE Science and Validation Workshop 2025, held from 1 to 5 December 2025 at the University of Tokyo, Japan, and jointly organised by JAXA and ESA. The workshop brought together the international scientific community to present recent mission results, discuss calibration and validation (Cal/Val) activities, and explore the integration of satellite observations into climate and numerical weather prediction models. The Centre was represented by Dr. Rodanthi Elisavet Mamouri, with contributions from the CARO group through two poster presentations: "One Year of EarthCARE ATLID Level 2 Validation at CARO, a Coastal Ground-Based Observatory in Cyprus" and "Tracking the 2025 Limassol Wildfire Smoke Plume: Combined Observations from CARO and the EarthCARE Mission." These contributions highlighted ongoing validation activities and the integration of ground-based and satellite observations. Participation supported the dissemination of scientific results, strengthened collaboration with ESA, JAXA, and ACTRIS partners, and enhanced the Centre's role in atmospheric and climate research.

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5th "Heritage in War and Peace" International Conference	Kaunas, Lithuania	04-05/12/2025	Conference	RP5		1			ECoE participated in the 5th International Conference "Heritage in War and Peace," held on 4-5 December 2025 at Vytautas Magnus University in Lithuania, within the framework of the REVITALISER project. The conference brought together international experts to address key challenges in cultural and natural heritage protection in both conflict and peacetime contexts, including issues related to destruction, climate impacts, digital transformation, and heritage management. Participation contributed to the exchange of knowledge and experiences on innovative approaches for safeguarding heritage, promoting interdisciplinary dialogue among researchers, policymakers, and practitioners. The activity supported engagement with global stakeholders and reinforced the role of ECoE in advancing solutions for cultural heritage protection through the integration of technology and research.
"Carbon Farming: Benefits in the Mediterranean region" Conference	Thessaloniki, Greece	10/12/2025	Conference	RP5		1			 ECoE participated in the final international conference of the Carbon 4 Soil Quality (C4SQ) project, held on 10 December 2025 in Thessaloniki and online. The event brought together researchers, policymakers, and practitioners to address challenges related to declining soil organic carbon and to promote sustainable soil management and carbon farming practices across Europe. Within this context, ECoE contributed with a presentation entitled "Integrating Carbon Farming Practices in the Mediterranean Region through the CARBONICA Project: Case Study of Cyprus Pilot Sites," highlighting approaches for implementing carbon farming solutions in Mediterranean environments. The conference also showcased the project's key outputs, including the Carbon Farming Toolbox, and facilitated discussion on policy frameworks, cooperation models, and practical solutions to support soil health and carbon sequestration. Participation supported

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									knowledge exchange and strengthened engagement in European initiatives promoting sustainable land management.
"Empowering Cyprus Space Stakeholders: ESA Associate Membership and Optional Programmes" Workshop	Nicosia, Cyprus	09/01/2026	Other	RP5					  ECoE participated in the educational workshop "Empowering Cyprus Space Stakeholders: ESA Associate Membership and Optional Programmes," organised by the Cyprus Space Office in collaboration with the European Space Agency (ESA). The event focused on informing national stakeholders about Cyprus' transition from the PECS framework to ESA Associate Membership, as well as on the opportunities provided through ESA's optional programmes, including ACCESS (ESA BIC), Future EO, GSTP, and ARTES 4.0. The workshop provided valuable insights into the evolving role of Cyprus within the European space ecosystem and supported capacity building across the national space community. ECoE actively contributed by presenting the Space BIC by ERATOSTHENES CoE initiative, showcasing recent developments and activities supporting space entrepreneurship in Cyprus. Dr. Eleni Loulli and Mr. Andreas Andreou delivered a presentation to ESA representatives and engaged in constructive discussions on potential areas of collaboration, particularly in relation to innovation support, startup incubation, and alignment with ESA programmes. The participation reinforced ECoE's role as a key stakeholder in the national and European space landscape, contributing to the strengthening of Cyprus' space innovation ecosystem. The engagement with ESA delegates further enhanced opportunities for future collaboration and highlighted the strategic importance of initiatives such as Space BIC in fostering entrepreneurial growth and technological development. 

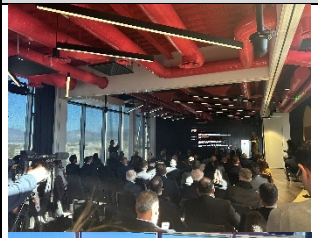
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Joint consortium workshop for networking and proposal preparation	Rabat, Malta	14-18/01/2026	Workshop	RP5					ECoE participated in a joint consortium workshop organised by the Malta Resources Authority, focusing on networking and proposal preparation for upcoming Horizon Europe calls. During the event, ERATOSTHENES CoE presented its activities, including the EXCELSIOR Project and the upcoming INVESTWATER PRIMA Project, to representatives of leading European research and innovation organisations. The workshop facilitated the initiation of collaborative discussions for the preparation of a new proposal under the Horizon Europe call "HORIZON-CL6-2026-01-ZEROPOLLUTION-03," focusing on the development of managed aquifer recharge (MAR) techniques in rural contexts. Participation supported consortium building, knowledge exchange, and the alignment of partners towards the submission of a competitive proposal, strengthening the Centre's involvement in future European research initiatives.
Cyprus-India AI Impact pre-summit Driving Innovation and Growth	Nicosia, Cyprus	14/01/2026	Other	RP5					The Cyprus–India AI Impact Pre-Summit: Driving Innovation and Growth, co-organised by PwC Cyprus and the High Commission of India in Nicosia, brought together over 100 leaders from government, industry and academia at the PwC Experience Center on 14 January 2026 to explore how Artificial Intelligence can transform industries, stimulate economic growth, foster innovation and deepen Cyprus–India collaboration. Senior stakeholders including Philippos Soseilos (CEO & Chairman, PwC Cyprus), High Commissioner Manish, and Chief Scientist Demetris Skourides highlighted AI's strategic role in national development, productivity and governance, while keynote and panel discussions examined AI's impact on key sectors and the vision of positioning Cyprus as a global AI hub. Representing ECoE, Mr. Andreas Andreou from the Technology Transfer Office engaged in insightful discussions and networking, reinforcing the Centre's commitment to research–industry collaboration and the development of structured, mutually beneficial partnerships across Cyprus, the EMMENA region, India and beyond, with a particular focus on the High Commission of India, Indian space-related organisations and companies, and next steps for collaboration with PwC Cyprus.

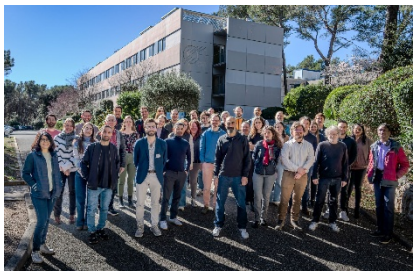
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18th European Space Conference	Brussels, Belgium	26-29/01/2026	Conference	RP5					The 18th European Space Conference brought together senior representatives from European institutions, national governments, the space industry, and research organizations to discuss Europe's strategic direction in space at a time of heightened geopolitical, economic, and security challenges. The conference served as a key forum to align priorities following recent institutional milestones, including the ESA Ministerial Council and ongoing discussions on the EU Multiannual Financial Framework. ECoE was represented in the conference by Dr. Kyriacos Themistocleous and Mr. Nikos Christoforou. The delegation attended several key sessions and meetings with European stakeholders and potential customers.
EOcafe: Cyprus at the Helm: Exploring its EU Space Priorities and EO Ecosystem	Online	05/02/2026	Other	RP5					ECoE contributed to the EOcafe session entitled "Cyprus at the Helm: Exploring its EU Space Priorities and EO Ecosystem," held on 5 February 2025 and organised by EARSC. The event brought together key actors from the Cypriot space and Earth Observation (EO) ecosystem to discuss national priorities within the framework of Cyprus' Presidency of the Council of the European Union, as well as broader developments in the EO sector. The session facilitated dialogue on policy priorities, upcoming EU initiatives, and the evolving role of Cyprus in the European and international space landscape, while also highlighting the growth of the national EO ecosystem through research, innovation, and industry engagement. A key contribution was provided by Prof. Diofantos Hadjimitsis, Managing

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									Director of the ERATOSTHENES Centre of Excellence and Professor at the Cyprus University of Technology, who shared insights into the Centre's role as a leading hub for Earth Observation and geospatial technologies in the EMMENA region. His intervention emphasised the impact of the EXCELSIOR project in strengthening Cyprus' EO capacities, supporting innovation, and fostering collaboration between academia, industry, and public authorities. The discussion underscored the strategic importance of EO in addressing societal challenges and advancing Cyprus' positioning within the European space ecosystem. 
Solar Winter School 2026	Antibes, France	16-20/02/2026	Workshop	RP5					  ECoE participated in the Solar Winter School, a five-day intensive training programme aimed at strengthening scientific and technical expertise in solar radiation assessment, forecasting, and photovoltaic sustainability. The programme combined theoretical lectures, hands-on sessions, field visits, and collaborative exercises, covering topics such as in situ measurements, satellite-based observation, modelling approaches, data management, and artificial intelligence applications in solar energy. During the training, participants were introduced to the physical principles of solar radiation, including irradiance components and atmospheric effects, as well as practical aspects of pyranometric measurements, quality control, and data validation. Hands-on sessions included the use of Python tools for comparing satellite-derived radiation datasets with ground-based measurements, alongside exposure to climate reanalysis, numerical weather prediction, and data assimilation techniques. Additional

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									training focused on solar forecasting methods, including statistical and machine learning approaches, and the sustainability of photovoltaic systems through life cycle assessment and risk analysis. ECoE also contributed through the presentation of a poster on the CARO station, the ATARRI project, and recent research on satellite data validation. Participation in the programme enhanced technical capacity in solar resource assessment and forecasting, supported the adoption of consistent methodologies, and fostered interdisciplinary collaboration, contributing to the Centre's expertise in energy and environmental monitoring.
CPP4ALL Kick off Conference: "Cultural Property Protection: A holistic approach to a crosscutting challenge"	Podgorica, Montenegro	17-18/02/2026	Conference	RP5		1			ECoE co-organised the kick-off conference of the COST Action CA24119 – "Cultural Property Protection for ALL (CPP4ALL)", held at the Science and Technology Park of Montenegro in Podgorica. The event, co-organised with the University of Montenegro, brought together international experts, researchers, and stakeholders to address cultural property protection as a complex and cross-cutting challenge. Dr. Dante Abate, the action chair, played a key role in both the organisation and opening of the conference, setting the stage for interdisciplinary dialogue and collaboration. The conference highlighted the importance of holistic approaches to safeguarding cultural heritage, emphasising the role of multilateral cooperation, interdisciplinary expertise, and coordinated action in addressing emerging risks. Discussions focused on the integration of innovative methodologies, policy frameworks, and technological solutions to strengthen cultural heritage protection at international level. Participation reinforced ERATOSTHENES CoE's commitment to advancing research and collaboration in cultural heritage protection, contributing to the development of shared strategies within the European and global community. 

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CAMS 9th Policy User Workshop	Budapest, Hungary	04-05/03/2026	Workshop	RP5		1			 ECoE participated in a specialised workshop focused on supporting the implementation of the revised Ambient Air Quality Directive (AAQD) using Copernicus Atmosphere Monitoring Service (CAMS) products. The workshop brought together members of the European environmental community and the FAIRMODE network to exchange knowledge and discuss the evolution and policy relevance of CAMS services. The programme included interactive sessions on new CAMS prototypes for natural sources and ozone, source allocation products, and the use of CAMS data in policy-making and air quality management. Within this context, ERATOSTHENES CoE contributed by presenting the experience of the CAMS National Collaboration Programme (NCP) activities in Cyprus, highlighting the use of CAMS policy products for supporting the implementation of air quality directives, including applications related to natural dust contributions and source apportionment. The activity supported knowledge exchange, stakeholder engagement, and the strengthening of capacities for data-driven air quality assessment and policy support.
Immersive Heritage Conference 2026	Timișoara, Romania	18-20/03/2026	Conference	RP5		1			 ECoE participared in the Immersive Heritage Conference hosted by the Politehnica University of Timișoara, and supported by Lip3D and cofunded by the European Union. The conference brought together representatives from LIP3D partner institutions across Europe, including Italy, Greece, Cyprus, Romania, Poland, and Albania, highlighting the strong transnational collaboration behind the project. The Immersive Heritage Conference showcased presentations of 3D innovation, Virtual Reality (VR), and Augmented Reality (AR), where they meet history, offering revolutionary solutions for interacting with the past and exploring how immersive technologies can transform historical sites into educational and cutting-edge research environments. The conference included a final meeting for the Lip3D project with the participation and presence of Diego Lopez, the project office from EU of the LIP3D project.ERATOSTHENES also contributed to a panel discussion dedicated to digital tools in

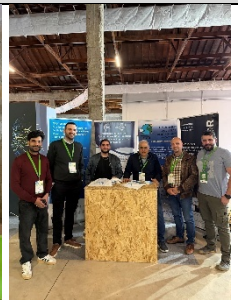
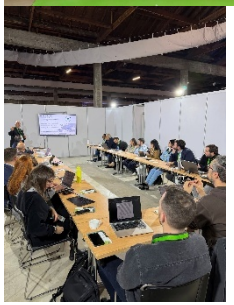
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									archaeology named From Excavation to Digitization – The Archaeological Contribution to Cultural Heritage Innovation.
Climate Neutral Blue Cities by 2030	Limassol, Cyprus	19-20/03/2026	Conference	RP5					ECoE participated in the international conference "Climate Neutral Blue Cities by 2030: Accelerating Local Change under the EU Cities and Ocean Missions" held on 19-20 March 2026 in Limassol, Cyprus. Hosted by the Municipality of Limassol under the auspices of the Cyprus Presidency of the Council of the EU 2026, the conference brought together key players from across Europe to exchange ideas, build partnerships and drive real change. As part of the conference, ERATOSTHENES CoE hosted a dedicated boothtogether with the EXCELSIOR Project, presenting its activities, research projects, and technological solutions related to Earth Observation, environmental monitoring, and climate resilience. Professor Diofantos Hadjimitsis, Managing Director of the ERATOSTHENES Centre of Excellence, served as a member of the International Advisory Committee of the Conference, contributing to shaping the dialogue at European level. In addition, Dr. Nektarios Chrysoulakis President of the Board of Directors of the ERATOSTHENES Centre of Excellence and Director of Research at Foundation for Research and Technology Hellas, delivered a keynote speech, sharing valuable insights on climate resilience and the role of innovation in shaping future cities. Through its participation, the Centre engaged with a broad audience, showcasing innovative applications supporting the green and blue transition, including tools for climate monitoring, urban sustainability, and coastal management. The event provided a valuable platform for knowledge exchange, networking, and the exploration of collaborative opportunities, reinforcing ERATOSTHENES CoE's role in supporting policy development and innovation aligned with European climate neutrality goals and the transformation of coastal urban environments.

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27th EAC General Assembly and Heritage Symposium	Santillana del Mar, Spain	19-21/03/2026	Conference	RP5					ECoE participated in the 27th EAC General Assembly and Heritage Symposium, held on 19–20 March 2026 in Altamira, Santillana del Mar, Spain, and organised by the Ministry of Culture of Spain in collaboration with the National Museum and Research Centre of Altamira. The event brought together members of the European Archaeological Council (EAC) and heritage professionals to exchange knowledge and discuss current challenges and practices in cultural heritage management and protection. The symposium provided a platform for dialogue on archaeological and heritage issues, fostering collaboration and knowledge exchange among international experts. Participation supported engagement with the broader heritage community and contributed to the dissemination of best practices in the field. An excursion following the symposium further enhanced interaction among participants and provided additional context through site-based discussions.
Panorama of Entrepreneurship and	Athens, Greece	27-29/03/2026	Other	RP5					ECoE participated in the Panorama of Entrepreneurship and Career Development 2026, held from 27–29 March 2026 at the Megaron – Athens Concert Hall, contributing to one of the leading events connecting academia, industry, and innovation ecosystems. Through its

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Career Development 2026									 presence, the Centre engaged with students, young professionals, and emerging innovators, presenting opportunities in Earth Observation, space technologies, and digital innovation, and highlighting the relevance of these fields across multiple sectors. A key contribution was made by Prof. Diofantos Hadjimitsis, Managing Director of ERATOSTHENES CoE, who participated as a panelist in a session addressing the roles of Business Analyst, Data Analyst, and Data Scientist. His intervention provided insights into the evolving landscape of data-driven professions, clarifying distinctions between these roles and emphasising the importance of interdisciplinary skills in modern data analysis and geospatial applications.
Computer Applications and Quantitative Methods in Archaeology (CAA) 2026 International Conference	Vienna, Austria	31/03-04/04/2026	Conference	RP5		2			 ECoE participated in the Computer Applications and Quantitative Methods in Archaeology (CAA 2026) conference, contributing actively through the Cultural Heritage Cluster within the framework of the REVITALISER project. The Centre organised a dedicated session entitled "AI Applications in Cultural Heritage and Archaeological Protection," facilitating discussion on the integration of artificial intelligence and digital technologies in heritage monitoring and safeguarding. In addition, ECoE contributed to the scientific programme with two oral presentations. These addressed the application of AI-driven methodologies for monitoring submerged cultural heritage through the detection of suspicious vessel activity using optical satellite imagery, as well as satellite-based assessment of long-term urban and environmental threats to cultural heritage sites, focusing on the case study of Tell Fadous-Kfarabida in Lebanon. Participation in the conference supported knowledge dissemination, promoted interdisciplinary dialogue on digital archaeology, and reinforced the Centre's role in advancing innovative approaches for cultural heritage protection.

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Title	Location	Date	Event Type	RP	No. of keynote/ invited talks	No. of oral presentations	No. of poster presentations	No. of panel contributions	Detailed Reporting
									• Oral Presentation: ""Monitoring submerged cultural heritage: AI-driven detection of suspicious vessel activity over underwater archaeological sites using optical satellite images"", Maria Cristina Salvi • Oral Presentation: ""Satellite-based Monitoring of Urban and Environmental Threats to the Lebanese Cultural Heritage: A Decade of Change at the Bronze-Age Site of Tell Fadous-Kfarabida"", Georgios Leventis
5th ECMWF-ESA Machine Learning Workshop	Bologna, Italy	13-17/04/2026	Workshop	RP5					ERATOSTHENES Centre of Excellence participated in the 5th ECMWF–ESA Workshop on Machine Learning for Earth System Observation and Prediction (ESOP), contributing to discussions on the rapidly evolving role of Artificial Intelligence in weather, climate, and environmental monitoring. The workshop provided a comprehensive overview of the latest advancements in machine learning applications, including the development of end-to-end data-driven workflows for operational forecasting systems, while also addressing key challenges related to integrating these approaches with traditional physics-based models. 
ACTRIS Science Conference 2026	Oslo, Norway	20-23/04/2026	Conference	RP5		1	3		ECoE participated in the ACTRIS Science Conference took place in Oslo, Norway, between 20th to 23rd April 2026. This conference was organized by the ACTRIS-ERIC pan-European Network, which is a research infrastructure dedicated to the observation and understanding of short-lived atmospheric constituents and their interactions, and in which the Cyprus Atmospheric Remote-Sensing Observatory (CARO) is a member as a National Facility of ACTRIS. Four members of the Atmospheric cluster participated in the conference, led by the cluster leader Dr. Rodanthi-Elisavet Mamouri, and the PhD students Maria Poutli, Konstantinos Chrysostomou and Aspasia Pallikaridou. At the conference 1 oral presentation (by Konstantinos Chrysostomou with the title "Aerosol-Cloud Interaction analysis study using the Dual-FOV Polarization Lidar approach at contrasting aerosol conditions over

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									 Limassol, Punta Arenas and Dushanbe" and 3 poster presentations (by Maria Poutli with title "EarthCARE satellite mission: Validation of L2a aerosol products using CARO ground-based measurements in the Eastern Mediterranean", by Aspasia Pallikaridou with title "Assessing EarthCARE's aerosol products (MSI, ATLID) using ground-based sunphotometer and lidar data over Cyprus", and by Rodanthi-Elisavet Mamouri on behalf of Georgia Charalambous with title "Assessment of Satellite Cloud Optical Thickness Retrievals and characterization of cloud variability using pyranometer network data") took place."
Dust-DN Workshop	Larnaca, Cyprus	20-22/04/2026	Workshop	RP5		1			ECoE participated in the DUST-DN Workshop held in Larnaca, Cyprus, from 20 to 22 April 2026, through the contribution of Ms. Athina Savva, PhD student from the Atmospheric Cluster. During the event, she presented her research entitled "Desert dust microphysical properties utilizing GRASP algorithm from synergy of PollyXT Lidar & sun/sky photometer in Limassol, Cyprus", highlighting the integration of active and passive remote sensing techniques for improved characterisation of dust layers in the Eastern Mediterranean. The workshop provided opportunities for scientific exchange and networking with international researchers, strengthening collaboration within the DUST Doctoral Network. 
International Symposium: Cultural Property Protection - An enabler for cooperation in Europe, the Mediterranean and the Gulf region	Nicosia, Cyprus	20-21/04/2026	Workshop	RP5		2			Present report, Section 2.9.2.
ESA PECS and Associate Member States Industry Days	Valletta, Malta	23-24/04/2026	Other	RP5					ECoE participated in the ESA PECS and Associate Member States Industry Days, held on 23-24 April 2026 in Valletta, Malta, and jointly organised by the European Space Agency (ESA) and Xjenza Malta. The event focused on strengthening collaboration and partnerships

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									  across the European space sector, particularly among entities from Cooperating and Associate Member States. During the event, ERATOSTHENES CoE engaged in targeted B2B meetings with representatives from various organisations, including LIST Labs, ESA BIC Lithuania (VITP), NRG Solutions, Oikon Ltd, and Hidrocibalae. Discussions explored potential collaboration opportunities in areas related to Earth Observation, space technologies, and innovation support services. Participation contributed to expanding the Centre's international network, strengthening engagement with ESA-related initiatives, and identifying opportunities for future joint activities and projects.
RSCy2026: Twelfth International Conference on Remote Sensing and Geoinformation of the Environment	Pafos, Cyprus	27-29/04/2026	Conference	RP5	2	44	11		Present report, Section 2.4, and: Keynote Presentation: ""e-genesis" for Earth Intelligence: Transforming EO, AI/Gen AI and Emerging Digital Technologies into Actionable Insights for EU Policy Implementation and Strategic Decision-Making", Haris Kontoes, NOA Oral presentation – "Enabling Near Real-Time Maritime Security Applications through Earth View Cyprus Infrastructure", Egbert Schwarz, DLR Oral presentation – "Fusion of Oil Spill Detection Results from Thresholding and Deep Learning Using Landsat Data over the North Sea", Olga Schmidt, DLR Oral presentation – "Statistical modelling of urban objects from noisy and low-resolution satellite imagery", Thomas Krauss, DLR Oral presentation – "Earth observation–based monitoring and early-warning system for vegetation stress and drought conditions", Felix Bachofer, DLR
7th Annual ECoE International Workshop: "Seventh Annual Hybrid EXCELSIOR Workshop: Earth Observation for	Online	27/04/2026	Workshop	RP5		4			Present report, Section 2.4 – detailed description in D9.15, due 31/12/2027.

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Climate Change and Security Applications and Services in the Eastern Mediterranean, Middle East, and North Africa (EMMENA)"									
Informal Meeting of the CAP Directors	Limassol & Paphos, Cyprus	28-30/04/2026	Other	RP5					ECoE participated in the Informal Meeting of the CAP Directors, held on 28-30 April 2026 in Paphos and hosted by the Cyprus Presidency of the Council of the European Union. As part of the programme, participants visited the Cyprus Phassouri Plantations, where they were introduced to ongoing collaborations between ERATOSTHENES CoE and the agricultural sector. The visit provided a platform to demonstrate how research and innovation can support sustainable agriculture and modern farming practices. During the visit, Prof. Diofantos Hadjimitsis and Dr. Christiana Papoutsa presented the activities of ERATOSTHENES CoE, highlighting the application of Earth Observation technologies in agriculture, including the PRECiRRI platform for precision irrigation and water management. The presentation also showcased the Centre's involvement in key European and national projects such as EXCELSIOR, CARBONICA, CERBERUS, and GEORGIA. The activity demonstrated the practical impact of EO-based solutions in supporting agricultural decision-making, enhancing resource efficiency, and strengthening collaboration between research organisations and industry stakeholders. 

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European Geosciences Union (EGU) General Assembly 2026	Vienna, Austria	03-08/05/2026	Conference	RP5					 The European Geosciences Union (EGU) General Assembly 2026 was one of the world's largest geoscience conferences, bringing together more than 22,000 scientists, researchers, policymakers, and industry professionals from over 120 countries in Vienna, Austria, and online from 3–8 May 2026. The hybrid event provided an inclusive platform for presenting and discussing the latest advances in Earth, planetary, and space sciences through oral, poster, and PICO sessions, while fostering interdisciplinary collaboration, networking, and knowledge exchange on critical global challenges such as climate change, natural hazards, environmental sustainability, and energy transitions. Dr. Silas Michaelides convened the session on Precipitation: Measurement, Climatology, Remote Sensing, and Modelling. Dr. Eleni Loulli co-chaired the poster session. Oral presentation: Machine Learning vs. Conventional Methods for X-Band Radar Rainfall Estimation in Cyprus, Dr. Eleni Loulli.
3rd Euro-Mediterranean High-Level Workshop on Fire Risks	Paphos, Cyprus	06-08/05/2026	Conference	RP5		1			ECoE participated in the 3rd Euro-Mediterranean High-Level Workshop on Fire Risks (6–8 May 2026, Paphos, Cyprus), held under the Cyprus Presidency of the Council of the EU 2026, focusing on wildfire management, preparedness, and emerging technologies. The workshop brought together representatives from the European Commission, the European Space Agency (ESA), DG ECHO, EU in Emergencies United Nations Office for Disaster Risk Reduction (UNDRR), civil protection authorities, research organizations, and operational stakeholders from Europe and the Mediterranean, strengthening dialogue on integrated wildfire management and next-generation technologies for disaster risk reduction. Dr. Marios Tzouvaras, Research Coordinator of the ERATOSTHENES CoE, presented Earth Observation applications for wildfire monitoring and risk reduction, highlighting the role of UN Platform for Space-based Information for Disaster Management and Emergency Response (UN-SPIDER), the United Nations Office for Outer Space Affairs (UNOOSA), the capabilities of the Earth Observation Data Acquisition Station (DAS), the EarthView Joint Venture between ERATOSTHENES and CYTA for the co-exploitation of DAS, as well as the use the use of AI and multi-source EO data for fire risk assessment, active fire detection, and post-fire recovery monitoring.

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Riding the Wave: Advancing the EU Ocean Pact through Science, Innovation and Cooperation	Ammochostos, Cyprus	11-12/05/2026	Conference	RP5	1			3	Present report, Section 2.9.3.
Crop Health Alliance Meeting	Frascati, Italy	11-12/05/2026	Workshop	RP5					  ECoE participated in the Crop Health Alliance Meeting (11–12 May 2026) and the ESA Agriculture Cluster Science Meeting (12–13 May 2026), held at ESA ESRIN in Frascati, Italy, through the contribution of Dr. Eleni Loulli representing the CERBERUS project. The meetings brought together experts and representatives from ESA and EU-funded initiatives to strengthen collaboration in the use of Earth Observation for agriculture. Discussions focused on crop health monitoring, climate resilience, data exploitation, and the development of sustainable food systems. Participation supported knowledge exchange with key partners, including the University of Bologna and the Polytechnic University of Valencia, and contributed to advancing EO-driven solutions for agricultural management and decision-making.
ESA Agriculture Science Cluster meeting	Frascati, Italy	12-13/05/2026	Workshop	RP5					

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Workshop on Maritime Spatial Planning	Athens, Greece	15/05/2026	Workshop	RP5		1			  ECoE participated in a workshop on Maritime Spatial Planning held on 15 May 2026 in Athens, organised within the framework of the ΘΑΛ-ΧΩΡ 3 project. The event brought together representatives from public authorities, research institutions, academia, and relevant stakeholders to exchange views on key aspects of maritime spatial planning, including European policy developments, environmental considerations, cumulative impacts, and monitoring tools and indicators. The workshop provided a platform for presentations, panel discussions, and interactive sessions aimed at formulating practical recommendations to support effective implementation. ECoE contributed to the programme through a presentation delivered by Dr. Christodoulos Mettas, entitled "Maritime Spatial Planning: From Research to Policy," highlighting the role of scientific research in informing decision-making processes. The presentation also introduced the activities, applications, and strategic vision of the Centre, demonstrating how Earth Observation and geospatial technologies can support sustainable marine and coastal management policies.
1st India-Cyprus Space Day	Online	18/05/2026	Other	RP5		1			Present report, Section 2.8.
DOERS Summit	Limassol, Cyprus	21-22/05/2026	Other	RP5					ECoE participated in the DOERS Summit 2026, held on 21–22 May at Kolla Factory in Limassol, as part of#CYTEx, the joint initiative and collaborative network of the seven Teaming Centres of Excellence of Cyprus, promoting innovation, research excellence and collective impact across the national R&I ecosystem. Through the CYTEx booth, visitors had the opportunity to discover how Earth Observation, AI and space technologies are transformed into real world innovation and applications with societal impact. The participation of ECoE at DOERS highlighted the growing role of space technologies and research driven innovation within the entrepreneurship ecosystem, fostering connections between science, startups, industry and society. A highlight of the Summit was the presentation of the RustAlert System, an AI powered concrete corrosion remote sensing

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									solution, presented by Marina Doukanari, Champion of the project, together with Dr. Andreas Christofe, Principal Investigator, during a session organised by Cyprus Seeds. 
49th Working Group on Groundwater and Workshop	Ayia Napa, Cyprus	26-28/05/2026	Workshop	RP5		1			 ECoE participated in the 49th Working Group on Groundwater and the Workshop on "Groundwater and Climate Change: Quantitative Aspects," held on 26-28 May 2026 in Ayia Napa, Cyprus, within the framework of the Cyprus Presidency of the Council of the European Union. The event brought together representatives from EU Member States, the European Commission, and relevant stakeholders to exchange knowledge, experiences, and best practices on groundwater management under climate change pressures. The discussions addressed key challenges such as drought, over-abstraction, reduced recharge, and the need for improved monitoring, licensing, and adaptive management strategies to enhance groundwater resilience. The programme also covered ongoing European initiatives, including groundwater indicators, trend assessment,

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									and policy integration with other frameworks such as drinking water and the Nitrates Directive. Participation provided valuable insights into emerging research and policy approaches, while highlighting the specific challenges faced by island and water-stressed regions. The activity supported knowledge exchange and strengthened engagement with the European community on sustainable groundwater management.
EU Space Days 2026	Nicosia, Cyprus	26-27/05/2026	Conference	RP5				2	Present report, Section 2.9.4.
2026 General Assembly of the EU Space Networks	Nicosia, Cyprus	27-28/05/2026	Conference	RP5		4		4	Present report, Section 2.9.5.
European Maritime Day 2026	Limassol, Cyprus	28/05/2026	Conference	RP5		1			ECoE participated in European Maritime Day 2026, held on 21-22 May 2026 in Limassol, Cyprus, one of Europe's flagship events for maritime affairs and the sustainable blue economy. The event, organised by the European Commission, the Shipping Deputy Ministry of Cyprus, and the Municipality of Limassol, brought together around 1,000 participants from across Europe, including policymakers, industry leaders, researchers, and stakeholders. Through plenary sessions, workshops, and networking activities, EMD2026 provided a platform for dialogue on key priorities related to maritime policy, environmental protection, and the future of the blue economy. During the event, ECoE showcased its Earth Observation capabilities, with a particular focus on EarthView Cyprus, the new Satellite Data Acquisition Station. The presentation highlighted its ability to provide near real-time satellite data supporting maritime surveillance, situational awareness, and information sharing across Europe and the EMMENA region. These capabilities are essential for addressing challenges related to maritime safety, environmental monitoring, and operational coordination, reinforcing the role of advanced space technologies in supporting the maritime sector. The participation of ERATOSTHENES CoE, particularly through its Marine Security and Safety Cluster under the Resilient Society Department, demonstrated its active role in advancing innovative applications for the blue economy. By contributing to discussions and showcasing cutting-edge solutions, the Centre strengthened its engagement with the European maritime community, promoted interdisciplinary collaboration, and reinforced its position as a key contributor to sustainable maritime development and ocean governance.

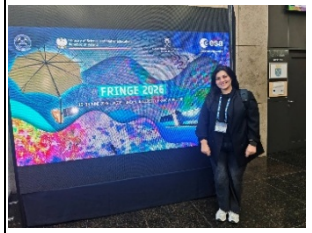
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EU CULTNET Meeting	Ayia Napa, Cyprus	04-15/06/2026	Conference	RP5		1			 ECoE participated in the EU CULTNET meeting, held under the auspices of the Cyprus Presidency of the Council of the EU 2026, contributing to European efforts to combat cultural heritage crime and illicit trafficking. The event brought together law enforcement authorities and key stakeholders, providing a platform for the exchange of knowledge, operational practices, and technological solutions. During the meeting, representatives of ERATOSTHENES CoE presented the Centre's latest activities in the field of cultural heritage protection, highlighting the VERITAS platform and its capabilities in using Artificial Intelligence and data-driven approaches to support near real-time monitoring of online marketplaces. The participation facilitated valuable discussions with European counterparts, strengthening collaboration with law enforcement agencies and reinforcing the role of advanced technologies and Earth Observation in safeguarding cultural heritage at international level. 
From Space to Solutions	Nicosia, Cyprus	08/06/2026	Conference	RP5		5		3	Present Report, Section 2.9.6.
EarthCARE 2026 Science and Validation Workshop	Oxford, UK	08-12/06/2026	Conference	RP5			5		ECoE participated in the EarthCARE 2026 Science and Validation Workshop that took place in Oxford, UK, from 8 to 12 June 2026. The CARO team of ECoE was well-represented at the workshop, with the presentation of five posters: two presented on-site and three online. The research showcased in these posters made important contributions to the validation and exploitation of EarthCARE satellite products. The workshop provided an excellent opportunity to enhance the visibility of the CARO station and its research activities within the EarthCARE scientific community. It also facilitated valuable networking with researchers and data providers. Furthermore, the event offered insights into the latest

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									scientific developments related to EarthCARE, ongoing validation efforts, and emerging research opportunities, while highlighting potential directions for future collaborations and participation in upcoming projects and campaigns. Poster Presentations: • "Validation of EarthCARE MSI and ATLID aerosol products in Eastern Mediterranean using AERONET and CARO observations"", Aspasia Pallikaridou, onsite • "Assessing MONARCH Mineral Dust Forecasts over Cyprus with EarthCARE Aerosol Products and CARO-NF", Konstantinos Chrisostomou, onsite by Aspasia Pallikaridou • "Validation of EarthCARE ATLID L2a aerosol products with PollyXT Lidar Measurements at Limassol ACTRIS National Facility", Maria Poutli, online • "Assessment of Aerosol–Cloud Interaction Parameter Retrieval Using Ground-Based Observations and EarthCARE Measurements: A Dust–Cloud Case Study over CARO–Limassol", Hossein Panahifar, online • "Early Insights into Cloud Vertical Structure over Cyprus from EarthCARE CPR Level-2 Products", George Kotsias, online 
ESA FRINGE 2026	Krakow, Poland	15-19/06/2026	Conference	RP5			1		  ECoE participated in ESA FRINGE 2026, one of the leading international conferences dedicated to Synthetic Aperture Radar Interferometry (InSAR), ground motion monitoring, and Earth Observation applications. The event brought together researchers, service providers, space agencies, and end-users from around the world to discuss the latest developments, emerging technologies,

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									and future directions in deformation monitoring and geohazard assessment. A poster entitled "Advanced InSAR Reprocessing of the Pissouri Dynamic Landslide in Cyprus: Filling EGMS Gaps within the Cyprus Ground Motion Service (CyGMS)" was presented at the conference by Dr. Kyriaki Fotiou. The research showcased advanced InSAR methodologies for monitoring the dynamic Pissouri landslide, highlighting how local infrastructures, GNSS observations, and validation datasets can complement European Ground Motion Service (EGMS) products within the framework of the Cyprus Ground Motion Service (CyGMS). The conference provided valuable opportunities for scientific exchange, networking with international experts, and exploring future collaborations related to ground motion monitoring, geohazard assessment, the Cyprus Geohazards Observatory Supersite (CyGOS), and the further development of CyGMS and CyCLOPS.
CHANGES Conference in Warsaw	Warsaw, Poland	21-25/06/2026	Conference	RP5		2			ECoE participated in the CHANGES Project conference "Past Climate Changes, Future Lessons: Methodology, Education, Strategies," held on 22-24 June 2026 at the University of Warsaw. The event brought together partners, researchers, and early-career scientists to present results related to WP2 – Technologies and Micro-analysis, fostering scientific exchange and collaboration within the consortium. ECoE contributed through an introductory presentation of the CHANGES project delivered by Dr. Maria Cristina Salvi, highlighting its objectives and research framework. In addition, ECoE presented a research study entitled "Exploring vegetation patterns around an ancient aqueduct at Kourion using Sentinel-2 NDVI," showcasing the application of Earth Observation for cultural heritage analysis. The study investigated vegetation dynamics using NDVI indicators and buffer-based analysis, revealing slight variations in vegetation activity around the site without a clear distance-decay pattern, suggesting the influence of broader landscape characteristics. The participation highlighted the Centre's interdisciplinary approach, combining remote sensing and environmental analysis to support cultural heritage research and scientific innovation.
"Protecting Cultural Heritage and Combating Illicit Trafficking: The Nicosia Convention 2017" webinar	Online	24/06/206	Workshop	RP5		1			 ECoE co-organized the webinar "Protecting Cultural Heritage and Combating Illicit Trafficking: The Nicosia Convention 2017", together with the Qatar National Library (QNL), in its capacity as the IFLA Regional Centre for Preservation and Conservation for Arab Countries and the Middle East. The webinar brought together more than 50 participants from across the Arab region and beyond, reflecting the growing interest in international cooperation to address the

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Title	Location	Date	Event Type	RP	No. of keynote/ invited talks	No. of oral presentations	No. of poster presentations	No. of panel contributions	Detailed Reporting
									challenges posed by illicit trafficking and crimes against cultural property. The event include a presentation by Dr. Dante Abate, who presented the Centre's initiatives in Cultural Property Protection, demonstrating how Earth Observation, Artificial Intelligence, and advanced digital technologies can support the entire heritage protection cycle, from prevention and monitoring to detection, documentation, and risk assessment.
International Laser Radar Conference (ILRC32)	Hiroshima, Japan	05-10/07/2026	Conference	RP5		1	3		 The International Laser Radar Conference (ILRC32) took place between 5th - 10th July 2026, at Hiroshima, Japan. 4 PhD students of the Atmosphere cluster participated in this event, with 3 poster presentations and 1 oral presentation. Oral Presentation: • "Ground-Based Sunphotometer and Lidar Assessment of EarthCARE Aerosol Products from MSI and ATLID", Aspasia Pallikaridou Poster Presentations: • "Long-range smoke transport from North America: Optical characterization of smoke layers over the Eastern Mediterranean by means of PollyXT lidar", Maria Poutli • "Assessing the Impact of Volume Depolarization Ratio on GRASP Aerosol Retrievals: A comparative study using PollyXT Raman Lidar and Sun-photometer Data in Limassol, Cyprus", Athina Savva • "Cloud Microphysical Properties Derivation through Multi-Sensor Synergy: Joint Lidar-Radar Retrievals", Konstantinos Chrysostomou
Airbus Global Geospatial Customer Event	Toulouse, France	07-09/07/2026	Other	RP5					 The event provided valuable insights into the future of satellite technologies, geospatial intelligence, SAR applications, advanced data processing, and operational Earth Observation services. A dedicated meeting with Airbus also opened new opportunities for technical cooperation and for exploring the role of our newly installed satellite data acquisition antenna in supporting regional Earth Observation activities. This visit

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Title	Location	Date	Event Type	RP	No. of keynote/ invited talks	No. of oral presentations	No. of poster presentations	No. of panel contributions	Detailed Reporting
									represents an important step in strengthening international collaboration and advancing the role of the ERATOSTHENES Centre of Excellence across the Eastern Mediterranean and the wider EMMENA region.
Greek Space Tech Forum 2026	Athens, Greece	07-08/07/2026	Conference & Exhibition	RP5	1			1	 The Greek Space Tech Forum 2026 is a major international conference and exhibition focused on the evolving space technology ecosystem in Greece and the wider region. It brings together public authorities, industry leaders, and research organisations to discuss strategic developments in space policy, innovation, and dual-use technologies. Prof. Diofantos Hadjimitsis presented as a keynote speaker and Dr. Andreas Christofi participated as a panellist.
The Fabric of Heritage Protection: Co-creating Comprehensive Provenance Ecosystems	Budapest, Hungary	14/07/2026	Workshop	RP5		1			 On the 14th of July, 2026, the "The Fabric of Heritage Protection: Co-creating Comprehensive Provenance Ecosystems" CPP4ALL workshop took place under the scientific responsibility of the UNESCO Chair on Threats to Cultural Heritage of the Ionian University at the Hungarian National Museum in Budapest. The workshop brought together museum professionals, researchers, legal experts, archivists, law enforcement representatives, and technology specialists to discuss provenance research and the protection of cultural property, with particular emphasis on combating illicit trafficking of cultural goods. ERATOSTHENES CoE was represented by Dr. Dante Abate, Chair of the CPP4ALL Action, who contributed expertise on the use of Artificial Intelligence and advanced digital technologies in addressing illicit antiquities trafficking and supporting cultural heritage protection. The workshop provided a valuable platform for interdisciplinary dialogue on the collection, verification, sharing, and ethical management of provenance information across institutions and national borders, reinforcing international cooperation and the development of innovative approaches for safeguarding cultural heritage.

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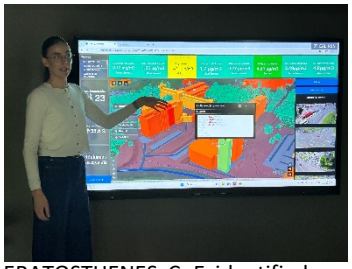
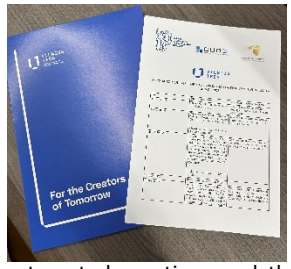
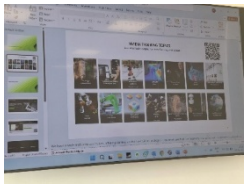
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A2. Engagement with International Stakeholders

Title	Location	Date	RP	Detailed Reporting
Cyprus in Germany' event	Nicosia, Cyprus	31/10/2019	RP1	D10.1: Report on the dissemination activities and Conference organisation
Presentation at Hystore Tech Ltd premises and meeting with Korean experts in UAVs	Ergates, Cyprus	09/01/2020	RP1	D10.1: Report on the dissemination activities and Conference organisation
NCP_WIDENET Talks	Online	07/09/2020	RP1	D10.1: Report on the dissemination activities and Conference organisation
Visit by the Commercial and Cultural Attaché of the Grand Duchy of Luxembourg	Limassol, Cyprus	07/06/2023	RP3	D9.3: Communication Action Plan
Meeting with the Ambassador of Italy	Limassol, Cyprus	13/06/2023	RP3	D9.3: Communication Action Plan
Meeting with the Polish Joint Archaeological Expedition in Paphos	Limassol, Cyprus	45,705	RP4	D9.3: Communication Action Plan
ERATOSTHENES delegation visits Tunisia	Tunis, Tunisia	26/02-01/03/2024	RP4	D9.3: Communication Action Plan
Cyprus in Germany' event	Nicosia, Cyprus	31/10/2019	RP1	D10.1: Report on the dissemination activities and Conference organisation
Drone Live Presentation - Hungarian B2B Event for Agriculture & Industry	Limassol, Cyprus	14/05/2025	RP5	 ECoE participated in a B2B event entitled "Hungarian Smart & Sustainable Solutions for Agriculture and Industry," organised by the Cyprus Chamber of Commerce and Industry in collaboration with the Embassy of Hungary in Cyprus and supported by EEN Cyprus (14 May 2025, Limassol). The event featured presentations and live demonstrations of advanced drone technologies and sustainable solutions for agricultural and industrial applications, followed by bilateral meetings with participating companies. Through its participation, ECoE engaged with technology providers and stakeholders, exploring innovative tools and practices relevant to precision agriculture and sustainable resource management, while strengthening networking and collaboration opportunities.

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Title	Location	Date	RP	Detailed Reporting
1st Business Mission of the Cyprus Baltic States Business Association (CBBA) in Lithuania	Vilnius & Kaunas, Lithuania	03-05/06/2025	RP5	  ECoE participated in the 1st Business Mission of the Cyprus Baltic States Business Association (CBBA) in Lithuania, engaging in a series of meetings with key organisations from the innovation, academic, legal, and business sectors. Discussions were held with entities including the Lithuanian Innovation Centre, the Artificial Intelligence Association of Lithuania, Vilnius Tech University, and several companies and advisory organisations. Particular interest was expressed in establishing collaborations in AgriTech, SpaceTech, and Earth Observation domains, with ERATOSTHENES CoE identified as a potential partner for joint activities. Follow-up actions, including targeted meetings and the exploration of joint initiatives, are planned in coordination with the Cyprus Chamber of Commerce and Industry and the CBBA, aiming to support cross-border innovation, academic exchange, and pilot project development.
Meeting with NVIDIA US	Nicosia, Cyprus	06/06/2025	RP5	  ECoE participated in a high-level meeting held on 6 June 2025 at the Presidential Palace, following the visit of the President of the Republic of Cyprus to Silicon Valley and discussions with NVIDIA. The meeting brought together key stakeholders from government, research, and innovation sectors to explore the role of Artificial Intelligence and high-performance computing in education, research, and national development. During the meeting, Prof. Diofantos Hadjimitsis presented the Centre's advanced infrastructures and AI-driven applications, including solutions for precision agriculture, disaster risk assessment, climate monitoring, and cultural heritage protection. The engagement also highlighted ERATOSTHENES CoE's use of NVIDIA technologies and reinforced its commitment to strengthening collaboration with global industry leaders to accelerate innovation and societal impact.
Meeting with the Embassy of the State of Qatar in Nicosia	Nicosia, Cyprus	11/06/2025	RP5	 ECoE participated in a high-level meeting with the Embassy of the State of Qatar in Nicosia, aimed at strengthening Qatar–Cyprus collaboration in the fields of education, technology, and business. Represented by Prof. Andreas Anayiotos and Mr. Andreas Andreou from the Technology Transfer Office, the Centre presented its advanced technological capabilities and results-driven approach, highlighting opportunities for pilot applications and joint initiatives. The discussion marked an important step towards fostering meaningful partnerships and knowledge exchange, reinforcing the Centre's role in promoting international cooperation and innovation.

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Title	Location	Date	RP	Detailed Reporting
Amcham Us Independence Day Celebration Event	Nicosia/Cyprus	18/06/2025	RP5	 ECoE participated in the U.S. Independence Day event organised by the American Chamber of Commerce in Cyprus, with the support of the Cyprus Chamber of Commerce and Industry, on 18 June 2025. The event brought together representatives from government, diplomacy, business, and innovation sectors, highlighting the strategic partnership between Cyprus and the United States. Participation focused on high-level networking and engagement with key stakeholders, facilitating the exploration of potential collaboration opportunities and strengthening the Centre's presence within the international business and innovation ecosystem. 
Visit by the Ambassador of the United Arab Emirates to the Republic of Cyprus	Limassol, Cyprus	25/06/2025	RP5	 ECoE hosted H.E. Mr. Mohammed Saif Al Shehhi, Ambassador of the United Arab Emirates to Cyprus, on 25 June 2025, for a high-level meeting aimed at exploring strategic collaboration in Earth Observation and space technologies. The discussions focused on leveraging Cyprus' strategic geographic position, the opportunities arising from the upcoming Cyprus EU Presidency, and the Centre's advanced expertise in remote sensing and geoinformatics. The visit marked an important step towards strengthening cooperation between Cyprus and the UAE, fostering partnerships in innovation, sustainability, and the development of geospatial solutions at regional and international level. 
Visit at the United Nations Headquarters in Vienna	Vienna, Austria	26/06/2025	RP5	 ECoE participated in a high-level meeting at the United Nations Headquarters in Vienna on 26 June 2025, engaging with the UN-SPIDER team of the United Nations Office for Outer Space Affairs (UNOOSA). The meeting marked an important step in strengthening international collaboration on the use of space-based technologies for disaster management and emergency response. The discussions focused on enhancing cooperation in the development and deployment of Earth Observation and geospatial solutions to support preparedness, response, and recovery efforts in the face of natural hazards. This engagement reinforced ERATOSTHENES CoE's role as a key partner in global initiatives, contributing to the advancement of innovative, data-driven approaches for disaster risk reduction and the protection of communities at international level.

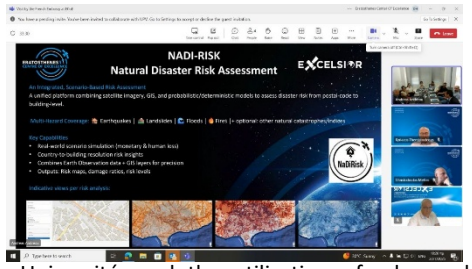
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Title	Location	Date	RP	Detailed Reporting
Diplomatic Event of the High Commission of Canada to Cyprus	Nicosia, Cyprus	11/07/2025	RP5	ECoE participated in a high-level diplomatic event on 11 July 2025 hosted by the High Commissioner of Canada to Cyprus, marking 65 years of bilateral relations between the two countries. The event highlighted the recently signed Memorandum of Understanding between ECoE and the Canadian Commercial Corporation, reinforcing cooperation in Earth Observation and space technologies. Representation from the Centre underscored its active role in strengthening international partnerships and advancing joint initiatives in research, innovation, and technology development between Cyprus and Canada. 
Meeting with the University of Thessaly	Nicosia, Cyprus	17/07/2025	RP5	ECoE organized a high-level meeting held on 17 July 2025 in Nicosia between Prof. Diofantos Hadjimitsis and representatives of the University of Thessaly, aimed at exploring opportunities for collaboration in research and innovation. During the meeting, Prof. Hadjimitsis presented the activities, infrastructure, and strategic vision of ERATOSTHENES CoE, highlighting key research areas such as space technologies, Earth Observation, geoinformatics, water resource management, natural disasters, agriculture, climate change, public health, big data, and artificial intelligence. Particular emphasis was placed on the Centre's advanced infrastructures, including the near real-time Satellite Data Acquisition Station and the Atmospheric Remote Sensing station. The discussion set the foundation for future collaboration, reinforcing the role of ERATOSTHENES CoE, established through the EXCELSIOR H2020 Teaming project, as a leading hub for research and innovation in the region.
Visit by the Deputy Chief of Mission at the German Embassy in Cyprus	Limassol, Cyprus	22/07/2025	RP5	  ECoE hosted Mr. Dirk Roland Haupt, Deputy Chief of Mission at the German Embassy in Nicosia, on 22 July 2025, facilitating an exchange of ideas and exploration of collaboration opportunities between science and diplomacy. The meeting, attended by representatives of ERATOSTHENES CoE and EXCELSIOR partners from DLR, focused on key areas including the Satellite Data Acquisition Station (sDAS), precision agriculture applications such as PRECiRRI, the NADi-RISK platform for disaster risk assessment, and broader initiatives in disaster risk reduction and space innovation. The discussion also highlighted the role of Space BIC Cyprus in fostering entrepreneurship, with Mr. Haupt contributing as a mentor, reinforcing the strong and growing cooperation between Cyprus and Germany in research, technology, and innovation.
Visit by the Cyprus Germany Business Association (CGBA)	Limassol, Cyprus	22/07/2025	RP5	 ECoE hosted representatives of the Cyprus Germany Business Association (CGBA) on 22 July 2025 at its premises, initiating a strategic dialogue aimed at strengthening collaboration in Earth Observation and space technologies. The meeting brought together representatives from both organisations to present their activities, exchange knowledge, and explore opportunities for joint initiatives. Discussions focused on the Centre's capabilities and services, as well as concrete steps towards future cooperation, including the promotion of innovation through the SpaceBIC Cyprus programme. The visit marked an important step in building a sustainable partnership between research and the business community, further reinforcing the strong ties between Cyprus and Germany in innovation and technology.

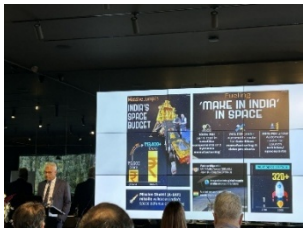
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Title	Location	Date	RP	Detailed Reporting
Visit by the Ambassador of France to Cyprus	Limassol, Cyprus	23/07/2025	RP5	  ECoE had the honour of hosting H.E. Ms. Clélia Chevrier Kolačko, Ambassador of France to Cyprus, for a diplomatic visit and high-level meeting on 23 July 2025. The meeting brought together representatives from the Centre to explore opportunities for collaboration across key areas, including Earth Observation infrastructure, smart agriculture, disaster risk assessment, cultural heritage, and innovation through initiatives such as SpaceBIC. Discussions also highlighted potential cooperation with French institutions, including Aix-Marseille Université, and the utilisation of advanced technologies such as the Satellite Data Acquisition Station (SDAS). The visit marked the beginning of a strategic dialogue aimed at fostering stronger Cyprus–France partnerships in research, innovation, and space technologies.
Meeting with Axiom Space	Limassol, Cyprus	28/08/2025	RP5	 ECoE participated in a strategic meeting with Axiom Space on 25 August 2025, exploring opportunities for collaboration in the fields of space technology and Earth Observation. Represented by Dr. Kyriacos Themistocleous and Mr. Nicos Christoforou, the Centre engaged in discussions with Axiom Space representatives to identify areas of mutual interest, including remote sensing, space-based research, and applications addressing global challenges. The meeting highlighted the strong potential for future cooperation, aligning ERATOSTHENES CoE's expertise with Axiom Space's vision for advancing space exploration and innovation, and laying the foundation for continued dialogue and joint initiatives.
Visit by the the High Commissioner of India to Cyprus	Limassol, Cyprus	03/09/2025	RP5	 ECoE had the honour of welcoming the High Commissioner of India to Cyprus, Mr.Manish Manish, for an official meeting on opportunities for collaboration. Discussions focused on Space Technology and Earth Observation applications, Cyprus' strategic role as a regional hub in the EMMENA area and strengthening scientific and technological cooperation between India and Cyprus. This important exchange reaffirms ECoE's commitment to fostering international partnerships that advance innovation, sustainability, and research excellence. 

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Title	Location	Date	RP	Detailed Reporting
Business Lunch with the German Embassy	Limassol, Cyprus	17/09/2025	RP5	  A working lunch was held on 17 September 2025 in Limassol, organised by the Chargé d'Affaires a.i. of the Embassy of the Federal Republic of Germany in Nicosia, who also serves as a mentor at the Space Business Incubation Centre (Space BIC) operated by ECoE. The event brought together representatives of the Germany-related maritime and shipping business community with the management teams of ERATOSTHENES CoE and Space BIC. The meeting served as a strategic platform to explore potential areas of cooperation between the maritime sector and the space innovation ecosystem in Cyprus. ECoE presented its Earth Observation capabilities and highlighted the operations of its Data Acquisition Station (DAS), facilitating discussions on the application of space-based technologies to enhance maritime efficiency, safety, and environmental sustainability. The exchange supported constructive dialogue and identified opportunities for future collaboration between the German maritime network and the Cypriot space and innovation ecosystem. A welcome address was delivered by Prof. Diofantos Hadjimitsis via pre-recorded message.
Navigating India: An Evening of Strategy & Sips	Nicosia, Cyprus	18/09/2025	RP5	  ECoE participated in the event "Navigating India: An Evening of Strategy & Sips," held on 18 September 2025 in Nicosia. The event provided valuable insights into the rapidly growing Indian space technology sector and its expanding global partnerships, while highlighting opportunities for collaboration. ERATOSTHENES CoE contributed to the exchange by presenting its capabilities in Earth Observation and space technologies, including its Satellite Data Acquisition Station, expressing interest in strengthening cooperation with Indian stakeholders to advance joint innovation and commercial initiatives.
KENDRIS Seminar on Structuring Global Wealth	Larnaca, Cyprus	24/09/2025	RP5	 ECoE participated in a seminar and networking event organised by the Cyprus-Germany Business Association (CGBA), focusing on strategic wealth structuring and succession planning. The event brought together professionals from the business and legal sectors to exchange insights and best practices, followed by a networking session facilitating stakeholder engagement. ERATOSTHENES CoE was represented by Dr. Silas Michaelides and Mr. Andreas Andreou, who engaged in discussions with key Association members and industry representatives. These interactions supported the exploration of potential collaborations in innovation and technology transfer, strengthening the Centre's presence within the Cyprus–Germany business ecosystem, particularly in areas related to space technologies and sustainable solutions. 

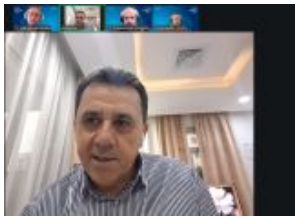
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Title	Location	Date	RP	Detailed Reporting
Inauguration ceremony of the National and Kapodistrian University of Athens (NKUA) Cyprus Branch	Nicosia, Cyprus	03/11/2025	RP5	 ERATOSTHENES Centre of Excellence was represented at the inauguration ceremony of the National and Kapodistrian University of Athens (NKUA) Cyprus Branch in Nicosia, marking an important development in higher education and academic collaboration in the region. Prof. Diofantos Hadjimitsis attended the event in his capacity as Vice President of the Cyprus Agency of Quality Assurance and Accreditation in Higher Education, engaging with key academic stakeholders, including the Rector of NKUA, Prof. Gerasimos Siasos. The ceremony, held in the presence of the President of the Republic of Cyprus and other distinguished officials, highlighted the strengthening of academic ties between Cyprus and Greece, reinforcing opportunities for collaboration in education, research, and innovation.
AmCham Annual Thanksgiving Gala Dinner 2025	Nicosia, Cyprus	02/12/2025	RP5	  ECoE attended the AmCham Cyprus Annual Thanksgiving Gala Dinner on 2nd December 2025 in Nicosia, celebrating Cyprus-US friendship, collaboration, and achievements. The event, graced by H.E. President Nikos Christodoulides, the Chief Scientist, and distinguished officials, underscored Cyprus' rising role in innovation and strategic partnerships, as noted by the President: "Cyprus is no longer being discovered, it is being chosen." The gala provided prime opportunities to engage partners, introduce ERATOSTHENES Solutions and Space BIC to investors and stakeholders.
Delegation of the Bombay Chamber of Commerce (KEBE)	Limassol, Cyprus	05/12/2025	RP5	 ECoE hosted a distinguished delegation from the Bombay Chamber of Commerce & Industry on 5 December 2025 at the Limassol Chamber offices. The visit showcased ECoE's portfolio of advanced technologies, including PRECiRRi for precise irrigation and agricultural management, NADI-RISK for natural disaster risk assessment, RustAlertSystem for early corrosion detection, Space BIC incubation services, and embedded digital solutions. Talks explored research collaborations in cultural heritage, remote sensing, agriculture innovation, lake water quality monitoring, the Carbonica Initiative for climate-resilient agriculture, and carbon farming methodologies 

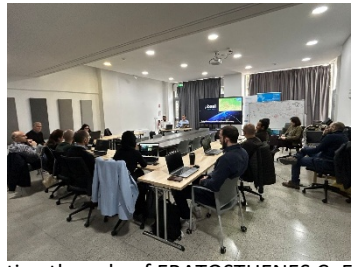
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Title	Location	Date	RP	Detailed Reporting
UAE National Day Celebration	Nicosia, Cyprus	05/12/2025	RP5	 ECoE attended the UAE National Day (Eid Al Etihad) celebration hosted by the Embassy of the United Arab Emirates in Nicosia and H.E. Mohammed Saif Al Shehhi. The occasion highlighted the strong ties between the ERATOSTHENES Centre of Excellence and the UAE Embassy, as well as the growing cooperation between Cyprus and the UAE in Earth Observation, space technologies, remote sensing and related fields.
Visit from the Institute for Interdisciplinary Cyprus Studies (University of Münster)	Limassol, Cyprus	12/12/2025	RP5	  ECoE had the pleasure to welcome Dr. Kruse from the Institute for Interdisciplinary Cyprus Studies (University of Münster), who met with the Cultural Heritage Cluster. The discussion focused on opportunities to integrate remote sensing, digital technologies, and geophysical methods into the Institute's ongoing projects, particularly those addressing the documentation of intercommunal religious heritage in Cyprus. The meeting explored how Earth Observation and non-invasive survey techniques can complement historical and social research, offering new perspectives for documenting sensitive and complex cultural landscapes. It was agreed to initiate the collaboration through a pilot case study, assess the scalability of this interdisciplinary approach, and work towards establishing long-term, sustainable collaboration between our institutions.
Meeting with the the Regional Director for South Lebanon	Online	18/12/2025	RP5	 ECoE was delighted to have a very productive meeting on the 18th of December 2025 between members of the Cultural Heritage Cluster and the Regional Director for South Lebanon at the General Directorate of Antiquities, Lebanese Ministry of Culture, Prof. Dr. Ali Badawi. The discussion focused on the Centre's activities in the use of Earth Observation and Remote Sensing for Cultural Heritage applications, as well as on initiating collaborations between the two entities. Prof. Dr. Badawi highlighted the need for more formal relations between Cypriot and Lebanese institutions, which will increase academic collaboration, taken the shared historical ties between the two neighbouring countries. The challenges and opportunities associated with cultural heritage management in Lebanon were also discussed with emphasis on South Lebanon. The meeting concluded with an agreement to initiate a small case study related to a Lebanese heritage site.
Visit of the Committee on EU Affaires of the German Bundestag - German Embassy Nicosia	Nicosia, Cyprus	19/01/2026	RP5	 ECoE participated in a networking event organised in the context of a visit by the Committee on EU Affairs of the German Bundestag, hosted by the German Embassy in Nicosia. The event provided an opportunity for engagement with key representatives from the German Embassy and the Cyprus-Germany Business Association, supporting discussions on potential collaboration actions. During the event, ERATOSTHENES CoE also established initial contacts with additional stakeholders, including an introduction to the 

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Title	Location	Date	RP	Detailed Reporting
				Ambassador of Sweden and representatives of the Cyprus Shipping Chamber, with follow-up meetings planned to further explore cooperation opportunities. The activity contributed to strengthening international linkages and fostering strategic partnerships, with follow-up actions initiated to maintain engagement and advance potential collaboration initiatives.
Republic Day of India - Reception by the High Commission of India in Nicosia	Nicosia, Cyprus	26/01/2026	RP5	  ECoE participated in the official celebrations of the 77th Republic Day of India, held on 26 January 2026 in Cyprus and hosted by the High Commissioner of India. The event brought together representatives from diplomatic, business, and cultural communities, providing a platform for engagement and networking. Participation supported interaction with key stakeholders, including representatives from the diplomatic corps, maritime sector, and international business community, facilitating discussions on potential collaboration opportunities. The activity further strengthened the Centre's engagement with the High Commission of India and supported the development of future cooperation with Indian institutions, agencies, and space-related organisations.
Visit by Pixxel Space delegation	Limassol, Cyprus	09-10/02/2026	RP5	 ECoE hosted a delegation from Pixxel Space on 9-10 February 2026, facilitating a series of targeted workshops and high-level strategic meetings focused on strengthening collaboration in space-based Earth Observation and artificial intelligence. The engagements enabled both sides to define concrete next steps for expanding joint activities across India, the European Union, and the broader EMMENA region. The visit reinforced a shared vision of leveraging advanced satellite data and AI-driven solutions for global impact, while highlighting the role of ERATOSTHENES CoE as an open platform for innovation, fostering both research and commercial partnerships and contributing to the growing Cyprus–India cooperation in the space sector. 
Visit of the German Embassy Nicosia to DAS	Pera, Cyprus	18/02/2026	RP5	ECoE hosted a high-level visit by representatives of the German Embassy in Nicosia to its Data Acquisition Station (DAS) infrastructure at the Pera Satellite Antenna facility, reinforcing collaboration in Earth Observation and remote sensing. The visit, attended by the Deputy Chief of Mission, Minister Counselor Dirk Roland Haupt, provided an opportunity to showcase the advanced capabilities of the

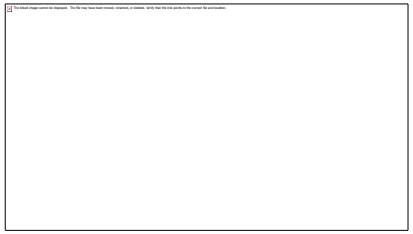
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Title	Location	Date	RP	Detailed Reporting
				 ERATOSTHENES CoE in satellite data acquisition and processing. Discussions were led by Dr. Kyriacos Themistocleous, highlighting the operational and research potential of the DAS infrastructure and its role in supporting environmental monitoring, disaster management, and space-based services. The visit also brought together experts from the German Aerospace Center (DLR) Neustrelitz, representing a strong cluster of expertise in remote sensing technologies, communications, navigation, and space-environment research. The engagement emphasised the importance of the well-established collaboration between ERATOSTHENES CoE and DLR, recognised as a model of cross-border cooperation integrating infrastructure, scientific excellence, and operational expertise. The activity further strengthened ties between Cyprus and Germany and highlighted the role of European partnerships in advancing innovative, high-quality Earth Observation services for research, policy, and societal applications. 
Meeting with the Ambassador of Japan to Cyprus	Limassol, Cyprus	19/02/2026	RP5	 ECoE participated in the Postgraduate Studies Exhibition held on 19 February 2026 at the Cyprus University of Technology, engaging with many students exploring opportunities for advanced studies. Within this framework, Prof. Diofantos Hadjimitsis, Managing Director of ERATOSTHENES CoE, held a dedicated bilateral meeting with the Ambassador of Japan to Cyprus, H.E. Satoshi Iwasaki. The meeting focused on presenting the EXCELSIOR project and the activities of ERATOSTHENES CoE, while exploring potential collaboration opportunities with the Japanese space and innovation ecosystem. The discussion highlighted the importance of international partnerships in advancing space technologies and Earth Observation applications, reinforcing the Centre's role as a key stakeholder in fostering global cooperation and innovation.
Visit by the Federal Minister of State for EU Affairs of Germany	Limassol, Cyprus	02/03/2026	RP5	ECoE had the honour of welcoming Mr. Gunther Krichbaum, Federal Minister of State for EU Affairs of Germany, to its premises in Limassol. During the visit, the Centre's strategic infrastructure and capabilities in Earth Observation, geospatial intelligence, climate monitoring, and space-based applications were presented, highlighting their growing importance for Europe's resilience, preparedness and technological autonomy. The Minister emphasised the strategic relevance of ERATOSTHENES for the European Union, particularly in areas linked to climate action, security, defence, and crisis management. He also congratulated Cyprus on its accession as an Associated Member of the European Space Agency (ESA) and expressed Germany's continued support for the Centre's future development. With strong partnerships such as DLR and TROPOS, and national infrastructures like sDAS and CARO fully operational, ERATOSTHENES continues to position Cyprus as a European hub for Earth Observation and space innovation in the Eastern Mediterranean.

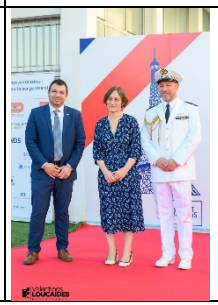
This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 857510.

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Title	Location	Date	RP	Detailed Reporting
				  
Meeting with IN-SPACe (Indian National Space Promotion and Authorization Centre)	Online	23/03/2026	RP5	 ECoE organised, with the support of the High Commission of India in Nicosia, a virtual meeting with the Indian National Space Promotion and Authorization Centre (IN-SPACe). The meeting marked an important milestone for this collaboration, featuring the participation of Dr. Vinod Kumar, Director, Promotion Directorate, IN-SPACe, Department of Space, Government of India, and Mr. Partha Pratim, Assistant Director at IN-SPACe, appointed as the official point of contact to coordinate among IN-SPACe, Mr. Manish Bajaj, Commercial Attaché, High Commission of India, and the Eratosthenes CoE. Discussions included the organization of the 1st India-Cyprus Space Day, to be jointly organized by ERATOSTHENES CoE and IN-SPACe. The meeting fostered collaboration, innovation, and knowledge exchange in space technologies and Earth Observation, further enhancing international partnerships and supporting Cyprus' role within the global space community.
Meeting with the EgSA-Egyptian Space Agency	Online	25/05/2026	RP5	  ECoE participated in a strategic kick-off meeting with the Egyptian Space Agency (EgSA) on 25 May 2026, marking the beginning of a new collaboration aimed at strengthening partnerships in Earth Observation and space technologies between Cyprus and Egypt. The meeting focused on identifying mutually beneficial areas of cooperation at scientific, technological, and regional levels, with both organisations committing to the preparation of a Memorandum of Understanding and the development of joint initiatives. The discussion highlighted the complementary strengths of the two organisations, with EgSA recognised as a leading force in space innovation across Africa and ERATOSTHENES CoE positioned as a regional hub for applied research and services in Earth Observation. Emphasis was placed on leveraging advanced infrastructures such as EarthView Cyprus (Satellite Data Acquisition Station) and CARO, as well as fostering innovation through initiatives like Space BIC Cyprus. This collaboration represents a

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Title	Location	Date	RP	Detailed Reporting
				significant step toward enhancing international cooperation, supporting capacity building, and advancing space-based solutions across the Eastern Mediterranean, Middle East, North Africa, and African regions.
French National Day Celebrations	Nicosia, Cyprus	14/07/2026	RP5	 ECoE participated in the official French National Day (Bastille Day) celebrations on 14 July 2026, at the reception hosted by H.E. Mrs. Clélia Chevrier Kolačko, Ambassador of France to the Republic of Cyprus, at the French-Cypriot School of Nicosia. The event brought together representatives of the diplomatic corps, government authorities, academia, research organisations, and the business community, providing an important platform for engagement and international cooperation. Through its participation, ECoE reaffirmed its commitment to strengthening its collaboration with French institutions and supporting the growing strategic partnership between Cyprus and France in areas of mutual interest, including Earth Observation, space technologies, research, innovation, energy, and security. The participation further reinforced the Centre's institutional ties with the French Embassy and contributed to promoting future opportunities for scientific and technological collaboration.

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A3. Participation in European Outreach Events

Title	Location	Date	RP	Detailed Reporting
European Researcher's Night 2020	Online	27/11/2020	RP1	D10.1: Report on the dissemination activities and Conference organisation
European Researchers Night 2021	Online	24/09/2021	RP2	D1.15 Impact Assessment Report for RP 2 Final
European Researchers' Night 2022	Nicosia, Cyprus	30/09/2022	RP3	D9.3: Communication Action Plan
European Researchers' Night 2023	Nicosia, Cyprus	29/09/2023	RP3	D9.3: Communication Action Plan
European Researchers' Night 2024	Nicosia, Cyprus	27/09/2024	RP4	D9.3: Communication Action Plan
Europe Day 2025	Paphos, Cyprus	10/05/2025	RP5	 On 10 May 2025, ECoE participated in the Europe Day celebrations held at 28 October Square in Paphos. During the event, the Centre engaged with the public through an exhibition stand, presenting its mission, core activities, and key achievements, including ongoing progress under the EXCELSIOR Project. The event, co-organised by European and local authorities, provided an opportunity to raise awareness of EU-funded research and innovation activities and to strengthen outreach to citizens. The celebrations also included cultural and musical performances, contributing to a broader public engagement context.
Science4EU Campaign	N/A	21/10/2025	RP5	 ECoE and the EXCELSIOR project were featured as part of the European Commission's Science4EU campaign, a flagship initiative highlighting research and innovation actions that deliver tangible benefits for society, the economy, and the environment. The participation  of ECoE in the campaign recognises the impact of the EXCELSIOR project, through which the Centre was established and developed into a leading regional hub for Earth Observation, Remote Sensing, Geoinformatics, and Space Technologies. The inclusion of ERATOSTHENES Centre of Excellence in the Science4EU campaign marks a defining milestone for both the organisation and Cyprus. It highlights Cyprus's growing role within the European Research Area and positions the island at the crossroads of Europe, Africa, and Asia as a hub for space innovation and environmental intelligence. This recognition underscores the value of sustained European investment in research excellence and affirms the contribution of ECoE to science that delivers measurable impact for people, regions, and the planet.

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Title	Location	Date	RP	Detailed Reporting
MSCA Falling Walls Lab competition	Copenhagen, Denmark	18-19/09/2025	RP5	  ECoE was represented at the MSCA Falling Walls Lab competition, held on 18-19 September 2025 at the Technical University of Denmark (DTU) in Copenhagen, within the framework of the MSCA Presidency Conference. Dr. Dante Abate was selected among the finalists, presenting his research in a highly competitive environment that brought together outstanding researchers from across Europe. The participation involved a short-format pitch, challenging participants to communicate complex scientific ideas in an accessible and impactful way to a broad audience. This achievement highlights the Centre's strong presence in excellence-driven European initiatives and its commitment to science communication and innovation. The event provided valuable opportunities for networking, collaboration, and exchange of ideas, further strengthening ECoE's engagement with the Marie Skłodowska-Curie Actions community and the wider European research ecosystem.
Erasmus+ events	Nicosia, Cyprus	17-18/10/2025	RP5	 ECoE, as coordinator of the CHANGES Erasmus+ project, participated in the Erasmus Days 2025 events held on 17-18 October 2025 in Nicosia, Cyprus. The activities provided an opportunity to present the project's objectives and progress, engage with the public, and promote discussion on climate change from both historical and contemporary perspectives. Participation supported outreach and dissemination efforts, fostering awareness of the project and of Erasmus+ opportunities, while encouraging dialogue with stakeholders and citizens. The event also contributed to strengthening collaboration and knowledge exchange within the framework of European-funded initiatives. 

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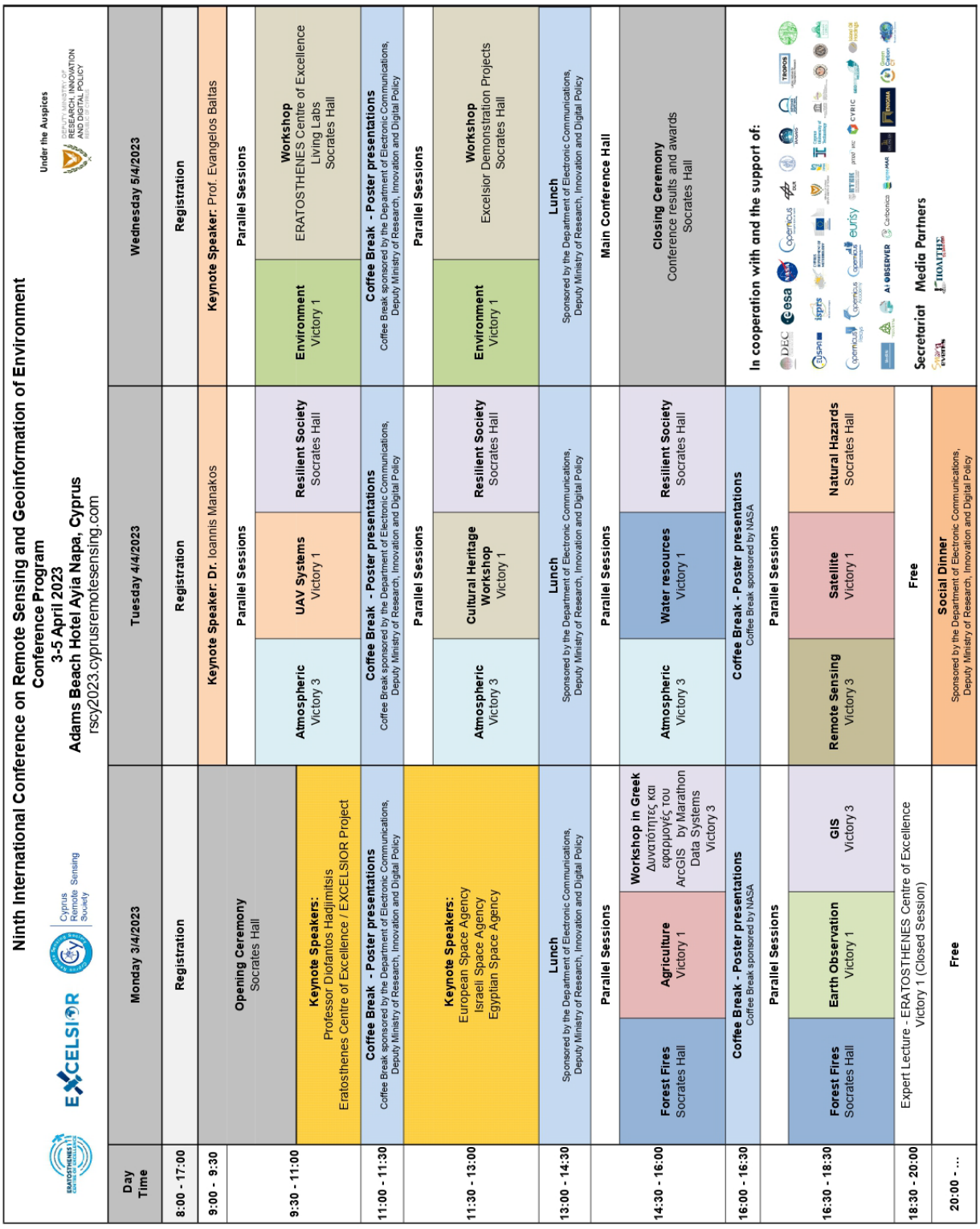
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Title	Location	Date	RP	Detailed Reporting
European Researchers' Night 2025	Nicosia, Cyprus	26/09/2025	RP5	  European Researchers' Night 2025 once again transformed science into a shared experience for the public, with ECoE taking an active role in this flagship European event. Held on 26 September 2025 at the Cyprus State Fair in Nicosia under the theme "Mission Possible," the event welcomed visitors of all ages. ECoE, in collaboration with the Cyprus University of Technology, hosted two interactive booths (47 & 48), inviting the public to explore how science and space technologies shape everyday life. Through hands-on activities and engaging demonstrations, visitors were introduced to: Play-Learn-Observe our Planet from Space, showcasing how Earth Observation and satellite data are used to monitor the environment, climate, and natural hazards. Earth Explorers: ERATOSTHENES CoE in action, offering a closer look at the Centre's research, innovation, and real-world applications. Participants also had the opportunity to learn about the impact of the EXCELSIOR project and other major research initiatives of ECoE, and how these projects contribute to scientific excellence, technological innovation, and societal benefit at national and European level. Families, students, and young learners interacted directly with researchers, asked questions, participated in activities, and discovered how space science supports sustainability, resilience, and informed decision-making. The strong public interest and enthusiastic participation highlighted the importance of bringing research closer to society and inspiring the next generation of scientists.

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Appendix B: Agenda for RSCy2023



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Ninth International Conference on Remote Sensing and Geoinformation of Environment
Conference Program
April 3-5 2023
Adams Beach Hotel
rscy2023.cyprusremotesensing.com/

Under the Auspices

Monday 3 April 2023

08:00-17:00		REGISTRATION		
3/4 9:00 - 10:00		Opening Ceremony (Socrates Hall)		
		Welcome, Greetings and Opening Speech Speech by Deputy Minister of Innovation - Mr. Philippos Hadjizacharias		Opening
3/4 10:30-11:00		Keynote Speakers (Socrates Hall)		
		ERATOSTHENES CENTRE OF EXCELLENCE - THE EXCELSIOR PROJECT - **Professor Diofantos Hadjimitsis**		
11:00-11:30		COFFEE BREAK - POSTER PRESENTATIONS		
3/4 11:30-13:00		Keynote Speakers (Socrates Hall)		
		EARTH OBSERVATION SCIENCE AND APPLICATIONS AT ESA - **Dr. Zoltan Bartalis** (European Space Agency) ISRAEL SPACE ASSETS - **Professor Dan Blumberg** (Israeli Space Agency) EARTH OBSERVATION ACTIVITIES OF THE EGYPTIAN SPACE AGENCY - **Dr. Hesham El-Askary** (Egyptian Space Agency)		
13:00-14:30		LUNCH		
3/4 14:30-16:00		Forest Fires	Chair: V. Drosos Chair support: Christos Theocharides	Room: Socrates Hall
	1008	EARLY DETECTION OF FOREST FIRE AND FIRST INTERVENTION OF FIRE-FIGHTING UNITS **V. Drosos,** I. Kasapidis, V. Stavridis, I. Sismanidis, E. Farmakis		
	983	EOWILDFIRES: AN EARTH OBSERVATION MULTI-SENSOR, TIME-SERIES MACHINE-LEARNING-READY BENCHMARK DATASET FOR WILDFIRE IMPACT PREDICTION **D. Sykas**, D. Zografakis, K. Demestixas, C. Costopoulou, P. Kosmidis		
	1116	LIVE FUEL MOISTURE CONTENT MODELING AND MAPPING USING SPECTRAL, METEOROLOGICAL AND TOPOGRAPHIC DATA **M.A. Arcos Villacis**, A.A. Balaguer Beser, L.A. Ruiz Fernandez		
	1029	ROAD NETWORK EVALUATION FOR ECOTOURISM REASONS IN MOUNTAIN OF THE GODS – GREECE **I. Sismanidis, V. Drosos,** S-A. Liampas, E. Farmaki		
	1028	REFORESTATIONS' LOCATION IN OLYMPUS MOUNTAIN-GREECE BY USING GIS AND UAV **V. Drosos**, S-A. Liampas, I. Sismanidis, I. Koukoulos, E. Farmakis		
3/4 14:30-16:00		Agriculture	Chair: I. Gitas Chair support: Stelios Neophytides	Room: Victory 1
	1113	SATELLITE DATA FOR OBSERVING FARMING EVENTS AND AGRICULTURAL POLICY COMPLIANCE **S. Meier**		
	1061	CLASSIFICATION OF SEASONAL SENTINEL-2 IMAGERY FOR MAPPING VEGETATION IN MEDITERRANEAN ECOSYSTEMS K. Antoniadis, N. Georgopoulos, T. Katagis, D. Stavrakoudis, **I.Z. Gitas**		
	1085	FRAMEWORK CONCEPT OF THE PROJECT "THE ANCIENT WHEAT - GROWTH AND PHYSIOLOGICAL CHARACTERISTICS UNDER UNFAVORABLE STRESS FACTORS AND POSSIBILITIES TO ALLEVIATE THE NEGATIVE EFFECTS" **D. Borisova**, H. Nikolov, V. Dimitrov, **A. Bouzekova-Penkova**		
	1042	EXPLORING VERY HIGH-RESOLUTION REMOTE SENSING CAPACITIES FOR MONITORING VINEYARDS IN ARMENIA **A.Khlghatyan**, A. Medvedev, V. Muradyan, G. Tepanosyan, A. Hovsepyan, G. Ayvazyan, R. Avetisyan, S. Asmaryan		
	1120	CLASSIFICATION ASSESSMENT OF WHEAT PLOTS IN PERISTERONA, CYPRUS WITH THE USE OF MULTIVARIATE STATISTICAL METHODS **S. Neophytides,** C. Panagiotou, M. Christoforou, C. Papoutsa, M. Eliades, T. Drivas, C. Kontoes, D. Hadjimitsis		
	1097	ESTIMATING CROP EVAPOTRANSPIRATION OF DATES TREES BASED ON SEBAL ALGORITHM USING LANDSAT 8 SATELLITE IMAGERY —A CASE STUDY: AL ZARQA-JORDAN M. Etoom, E. Etoum, A. Olimat, T. Masarwa		
3/4 14:30-16:00		Workshop - Marathon	Chair: A. Mavridaki Chair support: Georgios Leventis	Room: Victory 3
	Workshop	CAPABILITIES AND APPLICATIONS OF ARCGIS BY MARATHON DATA SYSTEMS (IN GREEK)		
16:00-16:30		COFFEE BREAK - POSTER PRESENTATIONS		
3/4 16:30 - 18:30		Forest Fires	Chair: I. Gitas Chair support: Christos Theocharides	Room: Socrates Hall
	1064	FUEL TYPE MAPPING USING TIME-SERIES OF SENTINEL-2 IMAGERY: PRELIMINARY RESULTS M. Sismanis, A. Stefanidou, D. Stavrakoudis, **I.Z. Gitas**		
	1009	SITING OF STONE CONSTRUCTIONS IN FOREST RECREATION AREAS NEAR URBAN CENTERS **V. Drosos**, D. Lazaris, V. Giannoulas, I. Sismanidis, E. Farmakis		
	1010	MULTICRITERIA ASSESSMENT OF ENVIRONMENTAL CONSRUCTION OF A FOREST ROAD IN SKOPELOS ISLAND IN GREECE **I. Sismanidis, V. Drosos,** S.A. Liampas, V. Giannoulas, E. Farmakis		
	1011	ENVIRONMENTALLY SUSTAINABLE MANAGEMENT AND DEVELOPMENT OF MOUNTAINOUS REGIONS UNDER THE SCOPE OF ENVIRONMENTAL IMPACT ASSESSMENTS BY THE FOREST OPENING-UP WORKS **I. Sismanidis,** E. Siafali, S. Stavridou, S.A. Liampas, V. Drosos, E. Farmakis		
	1124	THE USE OF REMOTE SENSING DATA FOR THE FIRE DAMAGE ASSESSMENT AND THE MONITORING OF POST-FIRE VEGETATION RECOVERY IN A BURNT AREA IN CYPRUS **M. Prodromou**, A. Nisantzi, R.-E. Mamouri, D. Ene, I. Gitas, K. Themistocleous, J. Bühl, C. Danezis, D. Hadjimitsis		
3/4 16:30 - 18:30		Earth Observation	Chair: M. Eliades Chair support: Despoina Makri	Room: Victory 1
	1050	LAVENDER BLOOM DETECTION USING SENTINEL-2 DATA A. Stergioulas, **N. Grammalidis**, C. Tananaki		
	1051	A SMART BEEKEEPING PLATFORM BASED ON REMOTE SENSING AND ARTIFICIAL INTELLIGENCE **N. Grammalidis**, A. Stergioulas, A. Avraamidis, K. Karystinakis, A. Partozis, A. Topaloudis, G. Kalantzi, C. Tananaki, P. Madesis		
	986	AI TOOLS APPLIED TO REMOTE SENSING TO ASSESS ECONOMIC TRENDS. THE CASE STUDY OF CRETE N. Schetakis, **A. Di Iorio**, K. Stavrakakis, N. Papoutsakis, D. Pacios, J.L. Vasquez-Poletti		
	1020	CLASSIFICATION OF SATELLITE IMAGES USING DYNLAND TECHNOLOGY **M. Pukitis,** I. Mednieks		
	1058	A HOLISTIC FRAMEWORK FOR FORESTRY AND RURAL ROAD DETECTION AND MONITORING BASED ON SATELLITE IMAGERY AND DEEP LEARNING D. Kelesakis, K. Marthoglou, **N. Grammalidis**; P. Daras, E. Tsiros, A. Karteris, A. Stergiadou		
	1105	MAPPING OF THE EMMENA REGION: EARTH OBSERVATION APPLICATIONS AND KNOWLEDGE GAPS **M. Eliades**, E. Evagorou, **K. Fotiou**, K. Fragkos, D. Hadjimitsis, M. Kaskara, H. Kontoes, G. Leventis, K. Neocleous, C. Panagiotou, K. Themistocleous, C. Theocharidis		
	996	DELINEATION OF THE BEDROCK DEPTH AND SHALLOW FAULTS USING MICROGRAVITY OBSERVATIONS AT AL-BALQA APPLIED UNIVERSITY, AL-SALT, JORDAN A. Abueladas, O. Al-Bayari, K. Qtaishat		

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3/4 16:30 - 18:30		GIS	Chair: C. Kontopoulos Chair support: Kyriaki Fotiou	Room: Victory 33
	1025	DESIGN AND IMPLEMENTATION OF A NOVEL OPEN-SOURCE WEB-GIS APPLICATION FOR A HARMONIZED EPC DOCUMENTATION ACROSS EUROPE **C. Kontopoulos**, K. Vrakopoulos, A. Manzni, D. Ioannidis, N. Katsaros, S. Koltsios, V. Charalampopoulou		
	1055	DEVELOPMENT OF A SMART TOOL FOR THE MONITORING URBAN BIODIVERSITY USING EARTH OBSERVATION DATA, IN-SITU SENSORS AND CITIZEN SCIENCE IN THE CITY OF THESSALONIKI **C. Georgiades**, G. Mallinis, P. Patias		
	994	DEVELOPING AN AUTOMATED VALUATION MODEL FOR ESTIMATING LAND VALUES IN LIMASSOL S. Apostolides & **T. Dimopoulos**		
	1017	PROPOSAL TO OPTIMIZE THE RESULTS OF THE NEW GENERAL VALUATION, APPLICATION ON RESIDENTIAL PLOTS IN LAKATAMIA MUNICIPALITY T. Kyprianou, **T. Dimopoulos**		
	1052	QUANTIFICATION OF THE INCREASE IN SHORTWAVE RADIATION REFLECTED FROM BARE ARABLE LAND IN EUROPE BY REDUCING ITS ROUGHNESS J. Ceglarek, J. Cierniewski		
3/4 18:30 - 20:00		Expert Lecture (Closed Session)		Room: Victory 1
		EARTH AND PLANETARY IMAGE FACILITY- ENVIRONMENTAL OBSERVATIONS OF ARID LANDS - **Professor Dan Blumberg** THE INTERPLAY OF DATA SCIENCES AND EARTH OBSERVATIONS ADDRESSING ENVIRONMENTAL CHALLENGES - **Dr. Hesham El-Askary**		

Tuesday 4 April 2023				
4/4 9:00 - 9:30		Keynote Speaker (Socrates Hall)		
		INUNDATION MAPPING IN SERVICE OF LAND COVER EVIDENCE-BASED CHANGE MONITORING - **Dr. Ioannis Manakos**		
4/4 9:30 - 11:00		Atmospheric	Chair: R.E. Mamouri Chair support: I. Kountouri, D. Makri	Room: Victory 3
	990	TROPOSPHERIC MONITORING USING A LOW-COST GNSS RECEIVER C. Oikonomou, I.A. Karolos, S. Bitharis; C. Pikridas, H. Haralambous		
	991	IONOSPHERIC MONITORING USING A LOW-COST GNSS RECEIVER C. Oikonomou, I.A. Karolos, S. Bitharis; C. Pikridas, H. Haralambous		
	992	ASPECTS OF TRAVELING IONOSPHERIC DISTURBANCE EFFECTS OVER CYPRUS K. Paul & H. Haralambous		
	977	STUDYING THE TRANSBOUNDARY TRANSPORT OF ATMOSPHERIC AEROSOLS IN THE EMME REGION F. Marenco		
	976	IMERG V SATELLITE DATA BASED ANALYSIS OVER UTTARAKHAND REGION : EXTREME RAINFALL EVENTS AND ITS ASSOCIATION WITH ELEVATION A. Pagire & C. Singh		
	1099	COMPARING REFLECTIVITY MEASUREMENTS BETWEEN GPM DPR AND X-BAND DUAL POLARIZATION RADARS: A CASE STUDY FOR PRECIPITATION AND DROUGHT MONITORING IN CYPRUS **E. Loulli**, J. Bühl, S. Michaelides, A. Loukas, D. Hadjimitsis		
4/4 9:30 - 11:00		UAV Systems	Chair: K. Nikolakopoulos Chair support: Georgios Leventis	Room: Victory 1
	1063	CREATION OF D INFRASTRUCTURE MODEL FROM UAV AND TLS DATA IN THE FRAME OF PROION PROJECT **K. Nikolakopoulos**, A. Kyriou		
	1067	CREATION OF THERMAL ORTHOPHOTOMAPS BASED ON VIRTUAL IMAGES ASSEMBLED FROM A COMBINATION OF VISIBLE AND THERMAL IMAGES **S. Królewicz**, A. Mlynarczyk		
	1087	POINT CLOUD DENSITY ENHANCEMENT WITHIN "PROION" PROJECT **A.Kyriou**, K. Nikolakopoulos		
	1091	OPTIMIZATION OF EXTRACTED BUILDING FOOTPRINTS FROM UAV IMAGES M. Tutnjevic, M. Govedarica, **G. Jakovljevic**		
	1125	DETECTION AND DISCRIMINATION OF APICULTURAL PLANTS USING UAV MULTISPECTRAL IMAGING **M. Prodromou**, A. Papachristoforou, D. Hadjimitsis, M. Christoforou		
	1005	THE USE OF UAVS TO ESTIMATE THE SECCHI DEPTH IN LAKES E. Tiskus		
5/4 9:30-11:00		Resilient Society	Chair: C. Kontopoulos Chair support: Christos Theocharides	Room: Socrates Hall
	1015	GEOSPATIAL LOCALIZATION ANALYSIS OF GREEN INFRASTRUCTURE DEVELOPMENT ASSUMPTIONS IN URBANIZED AREAS CONCERNED BY AIR QUALITY (THE CASE OF SOFIA MUNICIPALITY, BULGARIA) **B. Borisova**, S. Dimitrov, I. Ihtimanski, L. Semerdzhieva, S. Valchev, M. Iliev		
	1018	APPLICATION OF THERMAL PHOTOGRAMMETRY IN LOCAL CLIMATE ZONES (LCZ) DEFINITION FOR URBAN HEAT ISLAND EFFECT MAPPING AND ASSESSMENT OF THE CITY OF BURGAS, BULGARIA S. Dimitrov, **B. Borisova**, M. Iliev, L. Semerdzhieva		
	1021	INTEGRATED APPLICATION OF UAS BASED AND GEOINFORMATION TOOLS FOR STUDYING URBAN MOBILITY PATTERNS IN URBANIZED TERRITORIES: THE CASE OF SOFIA, BULGARIA **M. Iliev**, S. Dimitrov, K. Naydenov, S. Petrov, I. Ivanov		
	1022	A NOVEL WEB-BASED DECISION SUPPORT TOOL FOR ENHANCING URBAN RESILIENCE AND SUSTAINABILITY **C. Kontopoulos**. E. Magkoufis, A. Papadima, D. Skoulidou, A. Kazantzi, S. Hafner		
	1111	DEVELOPING SEISMIC MITIGATION MEASURES FOR SUSTAINABLE CITIES: A STRUCTURED DATABASE APPROACH G. Xekalakis, P. Christou, G. Zuccaro, F. L. Perelli, **N. Kyriakides**		
11:00-11:30		COFFEE BREAK - POSTER PRESENTATIONS		
4/4 11:30 - 13:00		Atmospheric	Chair: R.E. Mamouri Chair support: I. Kountouri, D. Makri	Room: Victory 3
	1039	A LIDAR DEPOLARIZATION CALIBRATION USING A REFERENCE SYSTEM **A.Papetta**, F. Marenco, M. Kezoudi, J. Sciare, R.E. Mamouri, , A. Nisantzi, I.E. Popovici, , P. Goloub, S. Victorie, H. Baars		
	1098	A STUDY OF AEROSOL PROPERTIES OVER LIMASSOL, CYPRUS, USING LIDAR OBSERVATION K. Christodoulou, A. Nisantzi, R.E. Mamouri		
	989	HETEAC-FLEX: A NOVEL AEROSOL TYPING SCHEME FOR GROUND-BASED AND SPACEBORNE LIDARS A. A. Floutsi, H. Baars, A. Ansmann, U. Wandinger		
	1001	AEOLUS CAV/VAL ACTIVITIES AND OBSERVATION OF VOLCANIC AEROSOL DURING AUTUMN 2021 WITH LIDAR MEASUREMENTS AT MINDELO H. Gebauer, H. Baars, A. A. Floutsi, A. Ansmann, M. Haarig, M. Radenz, K. Ohneiser, C. Zenk		
	988	RECORD-BREAKING WILDFIRE SMOKE POLLUTION IN THE UPPER TROPOSPHERE AND LOWER STRATOSPHERE: MAJOR AUSTRALIAN AND SIBERIAN SMOKE EVENTS IN 2019-2020 K. Ohneiser, A. Ansmann, R. Engelmann, M. Radenz, P. Seifert, H. Baars		

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	1103	INVESTIGATION OF 2021 SUMMER WILDFIRES IN THE EASTERN MEDITERRANEAN USING GROUND BASED AND SPACE BORN REMOTE SENSING OBSERVATION R.E. Mamouri, D. Ene, M. Prodromou, A. Nisantzi, A. Ansmann, D. Hadjimitsis		
4/4	11:30 - 13:00	Cultural Heritage Workshop	Chair: M. Ioannides Chair support: Georgios Leventis	Room: Victory 1
	974	HOW COMPLEX IS THE COMPLEXITY AND QUALITY IN 3D DIGITISATION OF TANGIBLE CULTURAL HERITAGE? **M. Ioannides**		
5/4	11:30 - 13:00	Resilient Society	Chair: M. Tzouvaras Chair support: Christos Theocharides	Room: Socrates Hall
	1024	A WEB-BASED APPLICATION FOR THE SPATIOTEMPORAL MONITORING OF THE IMPACT OF NATURE-BASED SOLUTION (NBS) ON THE URBAN ENVIRONMENT AND THE WELL-BEING OF CITIZENS: "THE EUPOLIS VISUALIZATION PLATFORM" **E. Marinou, K. Fotiou,** G. Voskopoulos, E. Protopapadakis, E. Sardis, S. Baki, P. Gallos, E. Katsorida		
	1106	CONTRIBUTION OF SPACE-BASED SOLUTIONS FOR IMPROVING RESILIENCE OF URBAN AREAS TO COPE WITH CLIMATE CHANGE AND EXTREME EVENTS: MILAN CASE STUDY WITHIN HARMONIA FRAMEWORK B. Cuca, **M.S. Lux,** J.N. Tzortzi		
	1102	THE POTENTIAL OF USING SATELLITE REMOTE SENSING FOR IDENTIFYING THE IMPACT OF CLIMATE CHANGE ON EXISTING REINFORCED CONCRETE (RC) STRUCTURES S. Stylianou, C. Filippou, E. Tantele, N. Kyriakides		
	1079	SATELLITE OZONE AND UV MEASUREMENTS OVER CYPRUS **G. Charalampous, K. Fragkos, A. Nisantzi,** I. Fountoulakis, D. Hadjimitsis, S. Kazadzis, K. Papachristopoulou		
	1046	THE SOLAR RADIATION AND ENERGY LABORATORY OF ERATOSTHENES CENTRE OF EXCELLENCE: ESTABLISHMENT AND RESEARCH DIRECTIONS **K. Fragkos,** A. Nisantzi, I. Fountoulakis, S. Michaelides, G. Charalampous, K. Papachristopoulou, C. Kontoes, D. Hadjimitsis, S. Kazadzis		
13:00-14:30		LUNCH		
4/4	14:30-16:00	Atmospheric	Chair: S. Michaelides Chair support: Marinos Eliades	Room: Victory 3
	1044	METHANE MEASUREMENTS IN ROMANIA USING SATELLITE AND AIRBORNE DATA **A. Scarlat**, , S. Iancu, A. Nemuc, A. Tudor, S. Ghemulet, M. Dima, G. Iorga, D. Schuttemeyer, A. Calcan		
	1007	RELATION BETWEEN BIOCLIMATIC AND ECONOMIC INDICATORS WITH TOURIST ARRIVALS IN AN IONIAN ISLAND IN GREECE **V. Drosos**, D. Lazaris, I. Kasapidis, I. Sismanidis, E. Farmakis		
	1040	COMMISSIONING OF THE DEPLOYABLE OPTICAL GROUND STATION AT TRAUEN **A. Koehler,** M.T. Knopp		
	993	COMPARISON BETWEEN RADIO OCCULTATION AND DIGISONDE TOPSIDE PLASMA FREQUENCY OVER EUROPEAN STATIONS **H. Haralambous**		
	981	ASSOCIATION OF AIR POLLUTION AND SYNOPTIC WEATHER IMPACTS ON COVID-9 TRANSMISSION IN BUCHAREST THROUGH IN-SITU AND GEOSPATIAL DATA D. Savastru, **M. Zoran**, R. Savastru, M. Tautan & D. Tenciu		
	999	THE POTENTIAL OF CMIP- MODELS FOR RESOLVING NORTH ATLANTIC OSCILLATION: A MULTI-MODEL MEAN APPROACH S. Roy, C. Singh		
4/4	14:30-16:00	Water Resources	Chair: C. Panagiotou Chair support: Georgios Leventis	Room: Victory 1
	995	THE WQEMS PLATFORM FOR INLAND SURFACE WATER BODIES' MONITORING: SERVING USER COMMUNITIES AND SUPPORTING EXPERTS' ANALYSES **M. G. Scarpino**, M. Matera, G. Milis, P. Bauer, I. Manakos		
	1033	CAPACITY BUILDING FOR PROFESSIONALS TOWARDS THE APPLICATION OF REMOTE SENSING IN THE MONITORING OF INLAND WATER SOURCES **G. Milis**, A. Nicolaou, M. Matera, **I. Serral,** K. Sampsa, A. Kita, A. Bozas, K. Vlachos, I. Manakos		
	1047	HARMONIZED AND FAIR LAKE WATER QUALITY DATASETS FOR A BETTER POLICY DECISION MAKING I.Serral, J. Masó, I. Manakos, M. Matera, M. Basile, N. Julià		
	1049	INTEGRATING SATELLITE REMOTE SENSING INTO THE STANDARD OPERATING PROCEDURE OF A WATER UTILITY **J. Lioumbas,** A. Christodoulou, M. Katsiapi, N. Xanthopoulou		
	1057	LAND WATER TRANSITION ZONE MAPPING CHALLENGES IN DYNAMICALLY CHANGING ENVIRONMENTS I.Manakos, **A. Kita**, S. Papadopoulou, I. Lioumpas, M. Katsiapi, E. Katsikis, L. Alagialoglou, A. Christodoulou		
	1115	ASSESSING THE GROUNDWATER QUALITY OF FAHS AQUIFER (N E TUNISIA) USING UNSUPERVISED MACHINE LEARNING AND GEOSTATISTICAL METHODS **C. Panagiotou,** A. Chkirbene, C. Papoutsa, M. Eliades, M. Kaskara, C. Kontoes, E. Akylas, D. Hadjimitsis		
5/4	14:30-16:00	Resilient Society	Chair: M. Tzouvaras Chair support: Christos Theocharides	Room: Socrates Hall
	1030	A HOLISTIC HIGH-RESOLUTION MONITORING APPROACH IN STUDYING COASTAL EROSION OF A HIGHLY TOURISTIC BEACH, CORAL-BAY, CYPRUS **T. Hasiotis,** O. Andreadis, A. Chatzipavlis, C. Mettas, E. Evagorou, D. Hadjimitsis, J. Kountouri, M. Louzidou, G. Chrysostomou		
	1031	BUILDING OF A DATABASE FOR CYPRUS BEACHES I. Monioudi, D. Chatzistratis, T. Chalazas, C. Savva, **T. Hasiotis,** A. Velegrakis, J. Kountouri, C. Mettas, E. Evagorou, D. Hadjimitsis		
	1002	DEVELOPMENT OF A COASTAL EROSION INTEGRATED OBSERVATORY SYSTEM AT THE REGION OF CENTRAL MACEDONIA, GREECE USING COLLOCATED SATELLITE EO AND IN-SITU DATA A. Triantafyllou, E.A. Tzanou, A. Michailidou, **G.S. Vergos**, G. Tsakoumis		
	1032	A REVIEW OF CURRENT GNSS INTERFERENCE MONITORING NETWORKS TOWARDS THE DEVELOPMENT OF AN INTERFERENCE EARLY WARNING SYSTEM **N. Christoforou**, C. Danezis		
	1126	SHIP DETECTION AT CYPRUS COASTS USING SAR IMAGES BASED ON YOLO (YOU ONLY LOOK ONCE) **G. Melillos**, E. Kalogirou, D. Makri, D. Hadjimitsis		
16:00-16:30		COFFEE BREAK - POSTER PRESENTATIONS		
4/4	16:30 - 18:30	Natural Hazards	Chair: A. Argyriou Chair support: Kyriaki Fotiou	Room: Socrates Hall
	978	CREATING A STRONG RAIN DANGER MAP FOR WHOLE CYPRUS **T. Krauss**		
	1034	CHANGE DETECTION TECHNIQUES FOR URBAN AREA DISASTER ASSESSMENT USING HIGH RESOLUTION SATELLITE DATA **M. Tsvetkov**		
	1036	INTEGRATED APPLICATION OF UAS REMOTE SENSING DATA FOR MAPPING THE LANDSLIDE VERTICAL DEFORMATIONS A. Gikov, **S. Dimitrov, M. Iliev**, L. Todorov		
	1060	EARTHQUAKE RELATED IONOSPHERIC SIGNATURES OVER CYPRUS **I. Zampas**, M. Mefe, H. Haralambous		
	1128	NATIONAL RESEARCH PROGRAM "ENVIRONMENTAL PROTECTION AND REDUCTION OF ADVERSE EVENTS AND NATURAL DISASTERS' RISKS": OVERVIEW OF 2022 ACTIVITIES B. Koulov, **V. Stoyanova, B. Borisova**, N. Rachev		
	1016	OPTIMUM LIFE CYCLE MAINTENANCE STRATEGY SUBJECTED TO SEISMIC AND CORROSION HAZARD C. Filippou, E.A. Tantele, R.A. Votsis, N. Kyriakides		
	1118	COMPARATIVE ANALYSIS OF SENTINEL-1 AND PLANETSCOPE IMAGERY FOR FLOOD MAPPING OF EVROS RIVER, GREECE **C. Theocharidis**, A. Argyriou, A. Tsouni, M. Kaskara, C. Kontoes		
	1123	IMPACT ASSESSMENT OF THE CATASTROPHIC EARTHQUAKES OF 6 FEBRUARY 2023 IN TURKEY VIA THE EXPLOITATION OF SATELLITE DATASETS **A. Argyriou**, S. Alatza, C. Theocharidis, **K. Fotiou,** C. Loupasakis, M. Prodromou, A. Apostolakis, Ma. Kaskara, C. Kontoes, K. Themistocleous, D. Hadjimitsis, M. Tzouvaras		

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4/4	16:30 - 18:30	Satellite	Chair: M. Zoran Chair support: Stelios Neophytides	Room: Victory 1
	979	ASSESSMENT OF CLIMATE AND ANTHROPOGENIC IMPACTS ON URBAN FOREST THROUGH DERIVED MODIS SATELLITE BIOGEOPHYSICAL VARIABLES **M. Zoran,** R. Savastru, D. Savastru, M. Tautan & A. Penache		
	980	EXPLORING WITH TIME-SERIES SATELLITE DATA OF MULTIPLE STRESSORS EFFECTS ON URBAN/PERIURBAN VEGETATION **M. Zoran**, R. Savastru, D. Savastru, M. Tautan & A. Penache		
	982	TIME-SERIES SATELLITE DATA FOR ASSESSMENT OF BUCHAREST CITY THERMAL ENVIRONMENT D. Savastru, **M. Zoran**, R. Savastru, M. Tautan & D. Tenciu		
	1054	USING SENTINEL-2 DATA TO IDENTIFY POTENTIAL SOIL EROSION **S. Krolewicz,** W. Raczkowski, A. Mlynarczyk, L. Zuk, J. Ceglarek		
	1127	WIND SPEED AND DIRECTION ESTIMATION FROM RADAR SAR USING SENTINEL -1 IN THE CYPRUS REGION **E. Kalogirou,** G. Melillos, D. Hadjimitsis		
	1038	MONITORING AND ASSESSMENT OF DESERTIFICATION IN UAE BASED ON LANDSAT IMAGES AND GOOGLE EARTH ENGINE 0 (SWEIHAN) S. Alkindi, R. Al-Ruzouq, N. Hammouri		
4/4	16:30 - 18:30	Remote Sensing	Chair: G. Melillos Chair support: Georgios Leventis	Room: Victory 3
	985	THE PROJECT EYE: ANALYSIS OF REMOTE SENSING DATA TO ASSESS ECONOMIC TRENDS **A.Di Iorio**, N. Schetakis; M. Koureas, G. Danos, M. Coradini, B. Charalambopoulou, I. Caczmarek, J.L. Vasquez Poletti		
	1062	MULTIBAND REMOTE SENSING ANTENNAS **A. Godden**		
	1045	APPLICATION OF REMOTE SENSING TO PROVIDE SUPPORT FOR GHG EMISSIONS AND REMOVALS INVENTORY FROM LULUCF – A CASE STUDY IN BULGARIA **K. Radeva**, L. Filchev, P. Dimitrov, S. Kirilova		
	1065	AI MODULES FOR THE AUTOMATIC GENERATION OF VOLCANIC ASH MAPS FROM SATELLITE DATA **I.Petracca,** D. De Santis, G. Schiavon, M. Picchiani, S. Corradini, L. Guerrieri, D. Stelitano, L. Merucci, F. Del Frate		
	1076	ENHANCING RISK ASSESSMENT AND MONITORING FOR CULTURAL HERITAGE SITES THROUGH DATA CUBES: A MULTIDIMENSIONAL APPROACH **G. Leventis,** A. Argyriou, D. Cerra, D. Hadjimitsis		

Wednesday 5 April 2023

9:00 - 9:30		Keynote Speaker (Socrates Hall)		
		ADVANCED APPROACHES AND TOOLS TOWARDS INTEGRATED WATER RESOURCES MANAGEMENT - **Prof. Evangelos Baltas**		
5/4	9:30-11:00	Environment	Chair: E. Baltas Chair support: Stelios Neophytides	Room: Victory 1
	1112	ASSESSMENT OF THE POST-FIRE HYDROLOGICAL RESPONSE IN CYPRUS USING IN SITU AND REMOTELY SENSED DATA **E. Feloni**, E. Baltas, A. Anayiotos, S. Michaelides		
	1110	QUANTITATIVE MICROBIAL RISK ASSESSMENT APPLIED TO SOIL-AQUIFER PASSAGE TO ACHIEVE HEALTH STANDARDS **C. Panagiotou**, C. Sprenger, C. Stefan, M. Kaskara, C. Kontoes, D. Hadjimitsis		
	1090	GeoAI MODEL FOR MAPPING OF PLASTIC **M. Govedarica**, G. Jakovljevic		
	1121	THE DATA CUBE OF ERATOSTHENES CENTRE OF EXCELLENCE TO EMPOWER THE SPACE-BASED ENVIRONMENTAL MONITORING IN THE EMMENA REGION **S. Neophytides**, T. Drivas, C. Papoutsa, C. Kontoes, D. Hadjimitsis		
5/4	9:30-11:00	Workshop - ERATOSTHENES Centre of Excellence Living Labs	Chair: C. Papoutsa	Room: Socrates Hall
		Introduction to the ERATOSTHENES Centre of Excellence Living Labs (AGRI-Living Lab & ATMO-Living Lab)		
		Presentation of AGRI-Living Lab - **Dr. Christiana Papoutsa**		
		Presentation of ATMO-Living Lab- **Dr. Rodanthi Mamouri**		
		Panel discussion - **Moderator: George Zalidis**		
11:00-11:30		COFFEE BREAK - POSTER PRESENTATIONS		
11:30 - 13:00		Environment	Chair: G. Zalidis Chair support: Kyriaki Fotiou	Room: Victory 1
	1043	DETERMINATION OF HEAVY METALS IN SOILS USING DIFFUSE REFLECTANCE SPECTROSCOPY: A CASE STUDY IN NORTHERN GREECE G. Galanis, D. Gkoutzikostas, V. Roussonikolos, N. Tiliopoulou, A. Papastergiou, K. Karyotis, **G. Zalidis**		
	1089	A SYSTEMATIC REVIEW OF OPPORTUNITIES AND CHALLENGES IN CARBON FARMING P. Chantzi, G. Galanis, M. Giortsiou, **G. Zalidis**		
	1048	GEOINFORMATION APPLICATIONS FOR MONITORING PROTECTED AREAS IN LEBANON **G. Mitri**, J. Bechara, J. Stephan, A. Naimeh, M. McKenna, D. Choueiter		
	1119	STUDYING THE VEGETATION OF GYPSUM ECOSYSTEMS IN CYPRUS G. Chrysostomou, **C. Christodoulou**		
	1014	BURN SEVERITY MAP FROM SATELLITE IMAGE A. Aljada		
5/4	11:30 - 13:00	Workshop - Excelsior Demonstration Projects	Chair: Z. Pittaki	Room: Socrates Hall
		Introduction to Excelsior Demonstration Projects, **Dr. Zambela Pittaki** (ERATOSTHENES CoE)		
		Geohazards detection and monitoring with remote sensing and AI techniques, **Dr. Stavroula Alatza** (Invited Speaker)		
		Monitoring geohazards from Space: Demonstrating new capabilities towards the establishment of the Cyprus Geohazards Observatory, **Dr. Marios Tzouvaras** (ERATOSTHENES CoE, NOA BEYOND)		
		Assessment of Vegetation Dynamics and Drivers of Drought for the Republic of Cyprus, **Dr. Constantinos Panagiotou** (ERATOSTHENES CoE, DLR)		
		Earth Observation Data Cube for Crop Monitoring, **Dr. Christiana Papoutsa** (ERATOSTHENES CoE, NOA BEYOND)		
		Solar applications for health and agriculture in Cyprus, **Dr. Konstantinos Fragkos** (ERATOSTHENES CoE, PMOD, NOA BEYOND)		
LUNCH				
5/4	14:30 - 16:00	Closing Ceremony Best Paper - Best Poster Award		Room: Socrates Hall

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POSTER PRESENTATIONS			
ID	Title	Authors	Topic
	1000	CROP TYPE MAPPING AND LAI, FAPAR AND FCOVER PREDICTION IN WINTER WHEAT FIELDS **I. Kamenova**	Agriculture
	1012	COMPETITIVENESS AND FINANCIAL INDEX RELATIONS AS ADVISORY TOOLS IN THE GREEK COTTON MANUFACTURING FIRMS **G. Papadavid**, G. Kountios	
	1013	THE EFFECT OF BUSINESS MODELS IN THE FINANCIAL VIABILITY AND COMPETITIVENESS AS ADVISORY TOOLS IN THE GREEK DAIRY COW SECTOR **G. Papadavid**, G. Kountios	
	1095	IRRIGATION PLAN WITH THE USE OF ICT FOR COTTON FARM IN PALAMAS, KARDITSA PREFECTURE, THESSALY, GREECE **G. Papadavid**, G. Kountios	
	1023	THE CAPACITY OF THE ERATOSTHENES CENTER OF EXCELLENCE FOR AEROSOL AND CLOUDS CAL/VAL ACTIVITIES **D. Ene**, R.E. Mamouri, A. Nisantzi, S. Michaelides, D. Hadjimitsis, A. Ansmann, J. Bühl, P. Seifert, R. Engelmann, H. Baars, **E. Marinou**	Atmosphere
	1073	SPATIO-TEMPORAL MONITORING OF AIR POLLUTION OVER BULGARIA'S LARGEST INDUSTRIAL AREA USING SENTINEL-5P TROPOMI DATA M. Dimitrova, P. Trenchev, D. Avetisyan, **T. Spasova**	
	1104	A SAR-BASED INTERFEROMETRIC PROCESS TO MONITOR LAND DEFORMATION IN CULTURAL HERITAGE SITES E. Marinou, C. Kontopoulos, S. De Angeli, F. Battistin	Cultural Heritage
	1088	EXAMINATION OF LAND USE AND LAND COVER CHANGES ON CULTURAL HERITAGE LANDSCAPES USING MACHINE LEARNING ALGORITHMS ON THE GOOGLE EARTH ENGINE PLATFORM: THE CASE STUDY OF PAPHOS DISTRICT, CYPRUS N. Papageorgiou, D. Hadjimitsis	
	1027	TRIQUETRA – TOOLBOX FOR ASSESSING AND MITIGATING CLIMATE CHANGE RISKS AND NATURAL HAZARDS THREATENING CULTURAL HERITAGE K. Fotiou, C. Kontopoulos, V. Charalampopoulou, S. Verykokou, D. Istrati, C. Ioannidis	
	1096	ENHANCING EARTH OBSERVATION CAPABILITIES OF THE ERATOSTHENES CENTRE OF EXCELLENCE ON DISASTER RISK REDUCTION THROUGH ARTIFICIAL INTELLIGENCE: THE AI-OBSERVER HORIZON EUROPE TWINNING PROJECT **M. Tzouvaras**, K. Themistocleous, K. Neocleous, G. Reis, F. Del Frate, G. Schiavon, H. Zacharatos, E. Kouppari, D. Hadjimitsis	Earth Observation
	1131	THE ESTABLISHMENT OF AN EARTH OBSERVATION DATA ACQUISITION STATION (DAS) TO ERATOSTHENES CENTRE OF EXCELLENCE N. Christoforou, S. Michaelides, A. Christofe, K. Neocleous, K. Themistocleous, C. Danezis, D. Hadjimitsis, G. Schreier, R. Miesen, E. Schwarz	
	1081	APPLICATION OF REMOTE SENSING METHODS FOR MONITORING WILD LIFE POPULATIONS – A REVIEW M. Chanev, N. Dolapchiev, **I. Kamenova**, L. Filchev	Environment
	1086	INTERPRETATION OF ARCHIVED PSI MEASUREMENTS WITHIN "PROION" PROJECT **A. Kyriou**, K. Nikolakopoulos, A. Ganas, V. Charalampopoulou, T. Athanasopoulos	
	1066	SOFT COMPUTING ALGORITHMS FOR INFRASTUSTURE MONITORING. PRELIMINARY RESULTS OF PROION PROJECT K. Nikolakopoulos, V. Mpelogianni, P. Groumpos, A. Kyrou, A. Ganas, **V. Charalampopoulou**, T. Athanasopoulos	
	1101	EVALUATION OF THE POTENTIAL OF A STATE-OF-THE-ART RETROFIT CAMERA SYSTEM TO ESTIMATE SOIL PARAMETERS IN SUPPORT OF VARIABLE RATE FERTILIZATION USING DEEP LEARNING TECHNIQUES T. Angelopoulou, N. Tziolas	
	1100	E-GRAZE DATA CUBE FOR REGULAR MONITORING OF GRASSLANDS, A CASE STUDY IN GREECE E. Kalopesa, N. Tsakiridis, N. Samarinas, N. Tziolas	
	1069	USING SENTINEL-2 DATA FOR EFFICIENT MONITORING AND MODELING OF WETLAND PROTECTED AREAS I. Ivanova, **T. Spasova**, N. Stankova	
	1053	CURVE FITTING METHODS OPTIMIZATION OF NDVI TIME-SERIES AT DIFFERENT SPATIAL AND TEMPORAL SCALES FROM MEDITERRANEAN WOODLANDS **C. Silva**, D. Ganeva, S. Cerasoli	Forest Fires
	1071	MONITORING POST-FIRE FOREST REGROWTH USING DIFFERENCED DISTURBANCE INDEX CLASSIFICATION N. Stankova, **T. Spasova**, I. Ivanova	
	1041	BUILDING DATASETS FOR GIS FROM HISTORICAL ARCHIVES IN CYPRUS: THE CASE OF MALARIA DURING THE BRITISH COLONIAL ERA (1878 – 1960) **L. Danielkutty**, R. Krummeich, A. Couillet, I. Charalambidou, E. Eliot	GIS
	1092	ASSESSMENT OF THE STATE OF THE CHEMICAL INDUSTRY IN BULGARIA FOR THE PERIOD 00-00: A SPATIAL STATISTICAL ANALYSIS A.Ravnachka, S. Genchev, **V. Stoyanova**	
	1070	USING GIS TECHNOLOGY FOR VISUALIZING MARINE ENVIRONMENTAL DATA IN NETCDF FORMAT **E. Zhuk**	
	1072	ARGO BLACK SEA DATABASE: STORAGE AND VISUALIZATION **E. Zhuk**	
	1083	THE UPDATED BLACK SEA GIS OCEANOGRAPHIC DATABASE **E. Zhuk**	
	997	MONITORING THE LOS (LINE OF SIGHT) LONG-TERM MAJOR ROAD-NETWORK AND AIRPORTS DEFORMATION IN ATTICA REGION, GREECE, USING PSINSAR ANALYSIS V.R. Yaragunda, E. Oikonomou	Remote Sensing
	1082	CREATING A DIGITAL TWIN AND POLAR DIGITAL SPACE IN ANTARCTICA **T. Spasova**	
	1078	A SYNCHRONIZED REMOTE SENSING MONITORING APPROACH IN THE LIVINGSTONE ISLAND REGION OF ANTARCTICA **T. Spasova,** D. Avetisyan	
	1080	DETECT PLASTIC LITTER IN CYPRUS REGION USING SENTINEL-2 **E. Kalogirou,** G. Melillos, D. Makris, J. Kountouri, T. Stylianou, K. Themistocleous, C. Papoutsa, D. Hadjimitsis	
	987	THE MARS INO BSRN STATION: QUALITY CONTROL AND COMPARISON WITH SATELLITE DATA E. Carstea, **M. Zoran, K. Fragkos**	Resilient Society
	1093	DYNAMICS OF SOILS SEALING IN URBAN AREAS IN BULGARIA B. Koulov, **V. Stoyanova**, B. Borisova, N. Rachev	
	1130	IDENTIFICATION AND FORECASTING OF COASTAL EROSION USING AERIAL AND UAV IMAGES **K. Themistocleous**	
	1026	SPHERICAL SENSORS WITH GLASSY CARBON COATINGS FOR MEASUREMENT OF ELECTRIC FIELDS IN NEAR-EARTH PLASMA ON BOARD SATELLITES D. Teodosiev, A. Bouzekova-Penkova, B. Tsyntsarski, J. Georgiev, **D. Borisova**, V. Hristova	Satellites
	1074	A FAST AND EFFICIENT METHOD FOR CALCULATION OF BACKGROUND METHANE CONCENTRATIONS USING SENTINEL-5P SATELLITE DATA P. Trenchev, M. Dimitrova, D. Avetisyan, **T. Spasova**	
	1035	FROM DRONE PHOTOGRAMMETRY TO 3D PRINTED OBJECT MODEL **M. Tsvetkov,** N. Dukov	UAV
	1056	TOWARDS A PARADIGM SHIFT ON MAPPING MUDDY WATERS IN WATER RESERVOIRS WITH SENTINEL-2 USING MACHINE LEARNING **K. Vlachos**, C. Psychalas; A. Moumtzidou, I. Gialampoukidis, S. Vrochidis, I. Kompatsiaris	Water Resources

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Appendix C: Agenda for RSCy2024

Tenth International Conference on Remote Sensing and Geoinformation of Environment
Conference Program
rscy2024.cyprusremotesensing.com

Under the Auspices

Day Time	Monday 8/4/2023			
8:00 - 9:00	***Registration***			
9:00 - 10:00	**Opening Ceremony - Aphrodite Stage Hall** 1. Professor Diofantos Hadjimitsis -ERATOSTHENES CoE & Cyprus University of Technology (CUT) 2. Dr Nicodemos Damianou- Deputy Minister of Research, Innovation and Digital Policy of Cyprus 3. Mr Kostas Galatariotis- President of Cyprus University of Technology Board 4. Professor Evangelos Akylas- Vice Rector of Financial Planning and Development (CUT) 5. Dr Kyriacos Themistocleous- President of Cyprus Remote Sensing Society 6. Mrs Myria Loizidou- ETEK Honorary Awards			
10:00 - 11:30	VIDEO OF THE EXCELSIOR HORIZON TEAMING PROJECT AND THE ERATOSTHENES CENTER OF EXCELLENCE **Keynote Speakers:** 1. Gunter Schreier(30min) ***«Earth Observation: the last 50 years and challenges ahead»*** 2. Steffen Kuntz (30min) ***«New market opportunities and challenges for remote sensing service»*** 3. Vasilis Kalogirou (10min) ***«EUSPA in Horizon Europe: delivering success for industry and academia».***			
11:30 - 12:00	**Coffee Break - Poster presentations**			
12:00 - 13:30	Parallel Sessions			
	ADONIS ROOM Remote Sensing Abstract Session	**APHRODITE HALL** Annual Hybrid Workshop on 'AI & Big Data: Trends and Challenges' organised by EXCELSIOR H2020 Teaming Project.	**APOLLON ROOM** Workshop for ReSENSE (Remote sensing technologies training) project	**ZEUS ROOM** Environment Abstract Session
13:30 - 14:30	**Lunch**			
14:30 - 16:00	Parallel Sessions			
	ADONIS ROOM Hazards Abstract Session	**APHRODITE HALL** Annual Hybrid Workshop on 'AI & Big Data: Trends and Challenges' organised by EXCELSIOR H2020 Teaming Project.	**APOLLON ROOM** Workshop and round table: Earth Observation and Geoinformatics for the protection of Cultural Heritage	**ZEUS ROOM** Fires/Forest Abstract Session
16:00 - 16:30	**Coffee Break - Poster presentations**			
16:30 - 18:00	Parallel Sessions			
	ADONIS ROOM Agriculture Abstract Session	**APHRODITE HALL** Annual Hybrid Workshop on 'AI & Big Data: Trends and Challenges' organised by EXCELSIOR H2020 Teaming Project	**APOLLON ROOM** Match making event and Workshop in Cyprus organized by the Framework Partnership Agreement on Copernicus User Uptake (FPCUP) Part 1	**ZEUS ROOM** Maritime/Coastal Abstract Session
18:00 - 19:00	Expert Lectures - ERATOSTHENES Centre of Excellence / Excelsior (Prof. Steffen Kuntz & Dr Evdokimos Konstantinides) (Closed Session)			
20:30 - 24:00	**Social Dinner Costa's Koloni Tavern**			

Day Time	Tuesday 9/4/2023			
8:00 - 9:00	***Registration***			
9:00 - 9:30	**Aphrodite Stage Hall** Keynote Speakers: Dr El Hadi & Dr Evdokimos Konstantinides			
9:30 - 11:00	Parallel Sessions			
	ADONIS ROOM **Beyond the Horizon: The Second Workshop on Maritime Security, Surveillance and Awareness in Cyprus** organized by the EXCELSIOR H2020 Teaming project: CUT, ERATOSTHENES CoE & DLR	**APHRODITE HALL** **"ERATOSTHENES CoE Living Labs & Opportunities and Challenges in Carbon Farming"** organized by the EXCELSIOR H2020 Teaming Project & CARBONICA Horizon Europe Project	**APOLLON ROOM** SAR Abstract Session	**ZEUS ROOM** Cultural Heritage Abstract Session
11:00 - 11:30	**Coffee Break - Poster presentations**			
11:30 - 13:00	Parallel Sessions			
	ADONIS ROOM **Beyond the Horizon: The Second Workshop on Maritime Security, Surveillance and Awareness in Cyprus** organized by the EXCELSIOR H2020 Teaming project: CUT, ERATOSTHENES CoE & DLR	**APHRODITE HALL** **"ERATOSTHENES CoE Living Labs & Opportunities and Challenges in Carbon Farming"** organized by the EXCELSIOR H2020 Teaming Project & CARBONICA Horizon Europe Project	**APOLLON ROOM** Excelsior closed Session (starts at 11:00 am)	**ZEUS ROOM** Atmosphere, Ionosphere, Meteorology Abstract Session
13:00 - 14:00	**Lunch**			
14:00 - 15:30	Parallel Sessions			
	ADONIS ROOM **Copernicus Uptake for the Maritime sector. Match making event and Workshop in Cyprus** organized by the Framework Partnership Agreement on Copernicus User Uptake (FPCUP) Part 2: 9.30am to 13.00 Synergies with the Beyond the Horizon Workshop Part 3: 14.00-15.30 Presentations	**APHRODITE HALL** **"ERATOSTHENES CoE Living Labs & Opportunities and Challenges in Carbon Farming"** organized by the EXCELSIOR H2020 Teaming Project & CARBONICA Horizon Europe Project	**APOLLON ROOM** Land Use, Land Cover, Urban Abstract Session	**ZEUS ROOM** Water, Hydrology, Water Resources, Floods Abstract Session
15:30 - 16:00	Closing Ceremony and Awards			
16:00 - 18:00	Optional Visit (to be confirmed): - Paphos Mosaics, Archaeological Park of Kato Paphos, Paphos Castle and Limanaki walk			

In cooperation and with the support of:

Secretariat: **Sponsored by:** **Proc. Published by:**

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Tenth International Conference on Remote Sensing and Geoinformation of Environment
Conference Program
rscy2024.cyprusremotesensing.com

Under the Auspices

Monday 8 April 2024

08:00-09:00		REGISTRATION		
8/4 9:00 -10:00		Opening Ceremony (Aphrodite Stage Hall)		
		Welcome, Greetings and Opening Speeches • Professor Diofantos Hadjimitsis -ERATOSTHENES CoE & Cyprus University of Technology (CUT) • Dr Nicodemos Damianou- Deputy Minister of Research, Innovation and Digital Policy of Cyprus • Mr Kostas Galatariotis- President of Cyprus University of Technology Board • Professor Evangelos Akylas- Vice Rector of Financial Planning and Development (CUT) • Dr Kyriacos Themistocleous- President of Cyprus Remote Sensing Society • Mrs Myria Loizidou- ETEK Honorary Awards		
8/4 10:00-11:30		Keynote Speakers (Aphrodite Stage Hall)		
		• VIDEO OF THE EXCELSIOR HORIZON TEAMING PROJECT AND THE ERATOSTHENES CENTER OF EXCELLENCE • Gunter Schreier(30min) **«Earth Observation: the last 50 years and challenges ahead»** • Steffen Kuntz (30min) **«New market opportunities and challenges for remote sensing service»** • EUSPA (10min) **«EUSPA in Horizon Europe: delivering success for industry and academia».**		
11:30-12:00		COFFEE BREAK - POSTER PRESENTATIONS		
8/4 12:00-13:30		REMOTE SENSING	Chair: Silas Michaelides Chair Support: George Leventis	Room: ADONIS
	1144	THE JOINT CYPRUS FLIGHT CAMPAIGN OF ERATOSTHENES COE AND DLR (CERAD) OF 2023 T. Krauß, V. Gstaiger, C. Köhler, M. Poutli, K. Themistocleous, S. Michaelides, C. Mettas		
	1156	ADVANCING ECONOMIC INSIGHTS: INTEGRATING SPACE TECHNOLOGIES FOR REAL-TIME ECONOMIC NOWCASTING C. Kontopoulos, T. Papakosmas, A. Kalogirou, G. Leventis, K. Spasenovic, V. Charalampopoulou		
	1203	DEEP INTERNAL LEARNING FOR SINGLE SWIR SATELLITE IMAGE SUPER RESOLUTION Y. Geltser, S. Maman, S. Rotman, D. Blumberg, O. Hada1, I. Dror, D. Mishra, D. Choukroun, A. Shyriayev		
	1196	FROM PIXEL TO INTEL: LEVERAGING SPACE EDUCATION FOR CLIMATE ACTION S. Maman, D. Oryan, L. Ron, G. Doron, B. Karlinsky		
	1233	THE INTEGRATION OF REMOTE SENSING TECHNIQUES IN MODERN CIVIL ENGINEERING E. Tantele, C. Filippou, R. Votsis, O. Marangos, N. Kyriakides		
	1236	SELENE & HELIOS – THE FIRST GREEK EARTH OBSERVATION CUBESATS ARE IN PREPARATION PHASE P. Kolokoussis, C. Kontopoulos1, G. Voskopoulos1, V. Charalampopoulou		
	1211	UN SPIDER LEVERAGING SPACE TECHNOLOGIES FOR EARLY WARNING SYSTEMS: FROM SCIENCE TO POLICY S. Maman, M. Hilljegerdes, Y. Vetrita, M. Hazarika, J. Villagran De Leon, L. Czaran, G. Amarnath, T. Brooks, G. James		
8/4 12:00-13:30		ENVIRONMENT	Chair: Christiana Papoutsa Chair Support: Eleni Loulli	Room: ZEUS
	1167	ON THE MONITORING OF URBAN VEGETATION DISEASES USING SATELLITE TIME SERIES, SINGULAR SPECTRUM ANALYSIS, AND FISHER-SHANNON STATISTICAL METHOD R. Lasaponara, N. Masini, N. Abate, L. Galasso, L. Afflitto, A. Loperte, O. Candela, A. Aromando, M. Santarsiere, L. Telsca		
	1186	ASSESSMENT OF VEGETATION GROWTH USING TRADITIONAL METHODS, PHOTOGRAMMETRY, AND NEURAL RADIANCE FIELDS D. Abate, M. Eliades, K. Themistocleous, D. Hadjimitsis		
	1188	MONITORING FOREST DYNAMICS BETWEEN 1987-2023: AN NDVI ANALYSIS OF THREE DOMINANT SPECIES IN PAPHOS FOREST, CYPRUS C. Theocharidis, M. Eliades, I. Gitas, C. Danezis, D. Hadjimitsis		
	1191	SPECTRAL ANALYSIS AND MAPPING OF UNREGULATED AND REGULATED LANDFILLS IN BULGARIA T. Spasova		
	1224	SPECTRAL ANALYSIS AND MAPPING OF UNREGULATED LANDFILLS IN VARNA, THE NORTHEAST REGION OF BULGARIA T. Spasova		
	1216	EO-BASED INDICATORS FOR BIODIVERSITY MONITORING AT NATIONAL SCALE IN GREECE: FRAMEWORK DEVELOPMENT FOR THE HELLENIC BIOODIVERSITY INFORMATION SYSTEM (EL-BIOS) G. Mallinis, E. Fitoka, I. Chrysafis, V. Fotakidis, L. Chatziiordanou, E. Chatzicharalabous		
	1214	SYNERGIZING AIRBORNE HYPERSPECTRAL IMAGING AND GROUND TRUTH DATA FOR ENVIRONMENTAL MONITORING: INSIGHTS FROM THE CERAD CAMPAIGN C. Mettas, K. Themistocleous, M. Prodromou, J. Kountouri, E. Kalogirou, E. Evagorou, M. Tzouvaras, M. Christoforou, E. Loulli, G. Charalampous, M. Eliades, Z. Pittaki, I. Varvaris, K. Fotiou, D. Abate, D. Christofi, C. Theocharides, T. Polydorou, E. Neofytou, M. Christoforou, E. Loulli, S. Neophytides, D. Koumoulidis, C. Papoutsa, M. Mavrovouniotis, T. Krauß, V. Gstaiger, C. Köhler, D. Hadjimitsis		
8/4 12:00-13:30 14:30-16:00 16:30-18:00		Workshop (see separate agenda)	Chairs: Michalis Mavrovouniotis, Maria Anastasiadou, Stelios Neophytides	Room: APHRODITE HALL
	Workshop	Workshop: Annual Hybrid Workshop on 'AI & Big Data: Trends and Challenges' organised by EXCELSIOR H2020 Teaming Project		
	1193	TRUSTWORTHY AI G. Spathoulas, G. Kavallieratos		
	1215	FLOODHUB DIACHRONIC MAPPING SERVICE IN THE TRANSBOUNDARY EVROS RIVER BASIN A. Tsouni, A. Katsos, H. Kontoes		
8/4 12:00-13:30		Workshop (see separate agenda)	Chairs: Maria Prodromou, Ioannis Gitas	Room: APOLLON ROOM
	Workshop	Workshop for ReSENSE (Remote sensing technologies training) project		
13:30-14:30		LUNCH		

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8/4 14:30-16:00		HAZARDS	Chair: Rani Hellerman Chair support: Marios Tzouvaras	Room: ADONIS
	1134	INTEGRATED SATELLITES-BASED SOLUTION FOR ENHANCED FIRE DETECTION AND FLOODING MONITORING R. Hellerman		
	1178	FLOOD HAZARD ASSESSMENT USING HEC-RAS MAPPING IN GARYLLIS RIVER BASIN, CYPRUS J. Kountouri, A. Tsouni, S. Sigourou, V. Pagana, C. Panayiotou, C. Mettas, E. Loulli, C. Kontoes, D. Hadjimitsis.		
	1212	DETECTION OF GNSS INTERFERENCE THROUGH A NATURAL HAZARD MONITORING SYSTEM AND NEXT STEPS TOWARDS THE DEVELOPMENT OF AN INTERFERENCE EARLY WARNING SYSTEM N. Christofolrou, D. Kakoullis, C. Danezis		
	1206	INVESTIGATING THE EFFECT OF INTENSE RAINFALL EVENTS IN ESTIMATING THE DISPLACEMENTS OF AN ACTIVE AND FAST-MOVING LANDSLIDE USING GNSS SAR ANALYSIS: THE CASE STUDY OF PISSOURI VILLAGE IN CYPRUS K. Fotiou, D. Kakoullis, C. Kotsakis, M. Hatzinikos, C. Danezis, D. Hadjimitsis		
	1201	SEISMIC SURVEILLANCE OF VRANCEA ACTIVE REGION IN ROMANIA BY TIME SERIES SATELLITE DATA ANOMALIES M. Zoran, R. Radvan, D. Savastrou, M. Tautan		
	1194	GIS-BASED SEIS MIC RISK AND LOSS ESTIMATION PLATFORM FOR CYPRUS C. Filippou, R. Votsis, E. Tantele, O. Marangos, K. Fotiou, N. Kyriakides		
8/4 14:30-16:00		FIRES & FOREST	Chair: Ioannis Gitas Chair support: Christodoulos Mettas	Room: ZEUS
	1166	ON THE ESTIMATION OF FIRE IMPACT ON ECOSYSTEM SERVICES QUANTIFIED (ALSO) USING SOCIO-ECONOMIC ASPECTS R. Lasaponara, D. Gioia, A. Minervini, N. Abate, N. Masini, A. Loperte		
	1169	ON THE POTENTIALITY OF THE SENTINEL-1 FOR FIRE SEVERITY ASSESSMENT: THE EXPERIENCE OF FIRESAT PROJECT R. Lasaponara, N. Abate, A. Aromando, G. Lopert, G.Dibello		
	1183	UTILIZING REMOTE SENSING FOR EARLY DETECTION OF CRITICAL TRANSITIONS IN FOREST ECOSYSTEMS F. Eliades, D. Hadjimitsis, C. Danezis		
	1161	EXPLORING THE POTENTIAL OF SPACEBORNE LIDAR DATA FOR FOREST BIOMASS ESTIMATION IN A COMPLEX-STRUCTURED CONIFEROUS FOREST N. Georgopoulos, K. Antoniadis, D. Stavrakoudis, I. Gitas		
	1218	A GREEN - HOLISTIC IOT PLATFORM FOR FOREST MANAGEMENT AND MONITORING: THE REFORESTATION MODULE M. Prodromou, A. Constantinides, A. Pamboris, M. Tzouvaras, I. Iasonos, A. Hadjiantonis, A. Iacovides, P. Leng Cheng, D. Hadjimitsis		
8/4 14:30-16:00		Workshop (see separate agenda)	Chair: Betty Charalampopoulou	Room: APOLLON ROOM
	Workshop	Workshop and round table: Earth Observation and Geoinformatics for the protection of Cultural Heritage		
16:00-16:30		COFFEE BREAK - POSTER PRESENTATIONS		
8/4 16:30 - 18:00		AGRICULTURE	Chair: Georgios Kountios Chair support: Marinos Eliades	Room: ADONIS
	1163	THE ROLE OF ESG ADVISORY AS AN INNOVATIVE TOOL FOR SUSTAINABLE FINANCIAL DEVELOPMENT. THE EVIDENCE OF THE FOOD COMPANIES M. Tsiouni, G. Kountios, G. Papadavid, A. Kyriakidou		
	1164	THE FINANCIAL PERFORMANCE OF THE GREEK FOOD INDUSTRY BEFORE AND AFTER THE APPLICATION OF ESG CRITERIA. A. Kyriakidou, M. Tsiouni, G. Kountios, G. Papadavid		
	1170	INSIGHTS FROM CYPRUS, GREECE, AND NORTH MACEDONIA TOWARDS THE DECARBONIZATION OF THE AGRICULTURAL SECTOR: A QUADRUPLE HELIX PERSPECTIVE ON CARBON FARMING-DATA DERIVED FROM A SURVEY STUDY E. Neofytou, E. Loulli, C. Papoutsa, M. Tzouvaras, M. Eliades, I. Varvaris, P. Chantzi, G. Galanis, V. Ilieva, G. Zalidis, B. Mukanov, M. Christoforou, D. Hadjimitsis		
	1173	PRECISION VITICULTURE USING MULTIPLE SENSORS AND AERIAL ROBOTICS (VITISENSE) FOR BETTER FINANCIAL OUTCOMES AND DISEASE MANAGEMENT PRACTICES M. Tsiouni, M. Chatzidimopoulos, C. Lagoudas, A. Loridas, S. Baliktsis, G. Foudoulis		
	1209	IN SITU SOIL SPECTROSCOPY FOR ENVIRONMENTAL MONITORING: CASE STUDY IN WESTERN GREECE ORANGE ORCHARDS K. Karyotis, A. Zalidis, D. Xenitopoulou, E. Kalopesa		
	1182	UTILIZING EARTH OBSERVATION BASED SOIL SCALABLE DIGITAL TWINS FOR SUPPORTING"SOIL LIVING LABS" AND SOIL HEALTH AND CARBON MRV FOR "SOIL DISTRICTS" AS AN ECO-APPROACH FOR INFORMED DECISION-MAKING APPLYING THE NEW COHESIVE SOIL MONITORING LAW I. Varvaris, Z. Pittaki, C. Mettas, M. Christoforou, P. Chantzi, E. Evagorou, N. Tsakiridis, K. Karyotis, S. Neophytides, K. Themistocleous , G. Zalidis, D. Hadjimitsis		
8/4 16:30 - 18:00		MARITIME/COASTAL	Chair: Chris Danezis Chair support: George Melillos	Room: ZEUS
	1139	OIL SPILL DETECTION ON LANDSAT-8/9 IMAGES BASED ON DEEP LEARNING METHODS O. Schmidt, E. Schwarz		
	1155	ENHANCING MARITIME AWARENESS WITH MULTI-SENSOR SATELLITE REMOTE SENSING TECHNIQUES C. Kontopoulos, O. Kourounioti, D. Krause, G. Voskopoulos		
	1174	SEAGRASS AND OTHER HABITAT TYPES MAPPING WITH REMOTE SENSING TECHNIQUES IN CYPRUS D. Makri, E. Kalogirou, M. Tzouvaras, D. Hadjimitsis, C. Mettas, E. Evagorou, G. Melillos		
	1208	WEB GIS TOOLS TO COMBINE STATION OBSERVATION AND NETCDF FORMAT DATA E. Zhuk		
	1207	WEB GIS TOOLS TO VISUALIZE SEA CURRENTS DATA E. Zhuk		
	1198	EVALUATION OF MARINE HABITAT DISTRIBUTION AND HUMAN IMPRINTS OFF AN INSULAR OPEN-PIT, GYALI ISLAND, SE AEGEAN SEA M. Tzafaridi, T. Petsimeris , T. Hasiotis		
8/4 16:30 - 18:00		Workshop (see separate agenda)	Chair: Despina Makri, George Nichola	Room: APOLLON ROOM
	Workshop	Match making event and Workshop in Cyprus organized by the Framework Partnership Agreement on Copernicus User Uptake (FPCUP) Part 1		

8/4 18:00 - 19:00	Expert Lecture (Closed Session)
	Expert Lectures - ERATOSTHENES Centre of Excellence / Excelsior (Prof. Steffen Kuntz & Dr. Evdokimos Konstantinides) (Closed Session)
8/4 20:30-24:00	Social Dinner Costa's Koloni Tavern

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Tuesday 9 April 2024				
08:00-09:00		REGISTRATION		
9/4 9:00 - 9:30		Keynote Speakers (Aphrodite Stage Hall)		
		Dr. El Hadi & Dr. Evdokimos Konstantinides		
9/4 9:30 - 11:00		SAR	Chair: Athanassios Ganas Chair support: Chris Danezis, Marios Tzouvaras	Room APOLLON
	1148	INSAR MAPPING OF GROUND DEFORMATION USING TIME-SERIES DATA: EXAMPLES FROM THE GULF OF CORINTH AND MILOS, GREECE A.Ganas, V. Tsironi, I. Katramitros, E. Efstathiou		
	1136	SENTINEL-1A ASSESSMENT RESULTS USING SAR CORNER REFLECTORS BY MEANS OF THE CYCLOPS STRATEGIC INFRASTRUCTURE IN CYPRUS D. Kakoullis, K. Fotiou, N. Ibarrola Subiza, R. Brcic, M. Eineder, C. Danezis		
	1137	ENHANCING GEOHAZARD MONITORING IN CYPRUS: FROM CYCLOPS TO CYCLOPS+ INFRASTRUCTURE DEVELOPMENT AND SERVICE EXPANSION C. Danezis, D. Kakoullis, K. Fotiou, M. Chatzinikos, C. Kotsakis, G. Ioannou, M. Tzouvaras, N. Ibarrola Subiza, R. Brcic, M. Eineder		
	1138	NEAR REAL-TIME OIL POLLUTION MONITORING USING SAR FOR THE SOUTHEASTERN MEDITERRANEAN SEA Y. Yang, C. Schnupfhagn, S. Jacobsen		
	1217	EXPLOITATION OF COPERNICUS SATELLITE DATA FOR MONITORING FISHING SHELTERS IN CYPRUS USING ADVANCED INSAR TECHNIQUES K. Fotiou, S. Alatza, A. Apostolakis, M. Prodromou, M. Tzouvaras, C. Mettas, C. Danezis, C. Kontoes, D. Hadjimitsis		
9/4 9:30 - 11:00		CULTURAL HERITAGE	Chair: Kyriacos Themistocleous Chair support: Dante Abate	Room: ZEUS
	1184	ENRICHMENT OF 3D CULTURAL HERITAGE DATA SETS WITH THEIR MEMORY M. Ioannides		
	1231	EARTH OBSERVATION AND GEOINFORMATICS FOR CULTURAL HERITAGE RESEARCH AND APPLICATIONS IN CYPRUS DURING THE LAST 17 YEARS: INTEGRATION OF IN-SITU, AIRBORNE AND SPACEBORNE DATA, AND THE UTILIZATION OF ARTIFICIAL INTELLIGENCEXZ D. Hadjimitsis, K. Themistocleous, C. Mettas, M. Tzouvaras, E. Evagorou, D. Abate, C. Papoutsa, A. Nisantzi, R. Mamouri, M. Mavrovouniotis, A. Christofe, M. Prodromou, E. Loulli, G. Leventis, S. Michaelides, A. Anayiotos, N. Kyriakides, R. Lasaponara, N. Masini, D. Cerra, T. Krauss, G. Schreier, F. Del Frate, B. Charalampopoulou, C. Danezis		
	1230	SEMI-AUTOMATIC IDENTIFICATION OF CULTURAL HERITAGE LOOTING ACTIVITIES THROUGH EARTH OBSERVATION D. Abate, M. Tzouvaras, D. Hadjimitsis		
	1227	SALINITY EFFECTS ON CULTURAL HERITAGE SITES: THE CASE STUDY OF THE TOMB OF THE KINGS IN PAPHOS, CYPRUS C. Dimitriou, D. Abate, K. Themistocleous, M. Eliades, D. Hadjimitsis		
	1213	STRATEGIC SENTINELS: INVESTIGATING THE ROLE AND DISTRIBUTION OF MEDIEVAL TOWERS IN CYPRUS THROUGH GEOSPATIAL ANALYSIS M. Doukanari, C. Mettas, D. Hadjimitsis		
	1204	UNDERSTANDING BYZANTINE PORTS OF CRETE THROUGH ARCHAEOLOGICAL AND GIS BASED APPROACHES K. Roussos		
9/4 9:30 - 11:00 11:30 – 13:00		Workshop (see separate agenda)	Chair: George Melillos, Egbert Schwarz, Gunter Schreier	Room: ADONIS
	Workshop	Beyond the Horizon: The Second Workshop on Maritime Security, Surveillance and Awareness in Cyprus organized by the EXCELSIOR H2020 Teaming project: CUT, ERATOSTHENES CoE & DLR'.		
9/4 9:30 - 11:00 11:30 – 13:00 14:00 – 15:30		Workshop (see separate agenda)	Chair: Christiana Papoutsa, Ioannis Varvaris, Marinos Eliades	Room: APHRODITE HALL
	Workshop	"ERATOSTHENES CoE Living Labs & Opportunities and Challenges in Carbon Farming" organized by the EXCELSIOR H2020 Teaming Project & CARBONICA Horizon Europe Project		
11:00-11:30		COFFEE BREAK - POSTER PRESENTATIONS		
9/4 11:30 - 13:00		ATMOSPHERE, IONOSPHERE, METEOROLOGY	Chair: Silas Michaelides Chair support: Rodanthi Elisavet Mamouri	Room: ZEUS
	1177	AEROSOL CLASSIFICATION IN CYPRUS USING ACTIVE AND PASSIVE REMOTE SENSING TECHNIQUES A. Savva, A. Nisantzi, A. Ansmann, D. Hadjimitsis, R. Mamouri		
	1179	UNDERSTANDING THE FEBRUARY 14, 2024 TORNADO IN CYPRUS E. Loulli, S. Michaelides, J. Bühl, R. Mamouri, A. Nisantzi, D. Ene, F. Tymvios, D. Charalambous, D. Hadjimitsis		
	1151	EARTH OBSERVATION DATA INTEGRATION FOR THE EVALUATION OF MODEL OUTCOMES AND THE ENHANCEMENT OF EARLY WARNING SYSTEMS FOR HUMAN HEALTH. G. Nikolaidis, P. Mouzourides, M. Neophytou		
	1147	ENABLING IN-SITU AIR-QUALITY MONITORING USING MODULAR SENSING NODES FOR HARD-TO-REACH AREAS S. Chrysanthou, K. Erotokritou, A. Papasavva, A. Karkotis, M. Sophocleous, L. Christofi		
	1157	PRELIMINARY ACTIVITIES FOR THE ESTABLISHMENT OF CYMETEO STRATEGIC METEOROLOGICAL INFRASTRUCTURE IN COLLABORATION WITH THE DEPARTMENT OF METEOROLOGY C. Oikonomou, H. Haralambous, F. Tymvios, D. Charalambous, M. Satraki, V. Kotroni, K. Lagouvardos, E. Loizou		
	1158	RATE OF TOTAL ELECTRON COTENT INDEX (ROTI) CHARACTERISTICS OVER CYPRUS K. Sekhar, H. Haralambous, C. Oikonomou		
	1143	CYPRUS RADAR FOR IONOSPHERIC SPACE SITUATIONAL AWARENESS (CYRISSA) H. Haralambous		
	1146	COMPARISON BETWEEN RO AND DIGISONDE BOTTOMSIDE ELECTRON DENSITY OVER CYPRUS H. Haralambous, M. Moses		
	1202	AN ASSESSMENT OF SOLAR IRRADIANCE ENHANCEMENT EVENTS DURING CY-CARE CAMPAIGN AT LIMASSOL, CYPRUS K. Fragkos, I. Fountoulakis, G. Charalampous, K. Papachristopoulou, R. Mamouri, D. Ene, A. Nisantzi, A. Ansmann, P. Seifert, D. Hadjimitsis, S. Kazadzis		
9/4 11:30 - 13:00			Chair:	Room APOLLON
		Excelsior closed Session (starts at 11:00 am)		

13:00-14:00	LUNCH

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9/4	14:00-15:30	LAND USE, LAND COVER, URBAN	Chair: Maria Anastasiadou Chair support: Christiana Filippou	Room APOLLON
	1140	URBAN GREEN SPACE AND ALBEDO IMPACTS ON SURFACE TEMPERATURE IN BUCHAREST METROPOLITAN AREA M. Zoran, R. Radvan, D. Savastrou, M. Tautan, A. Penache		
	1141	TIME SERIES SATELLITE DATA FOR ASSESSMENT OF DROUGHT IMPACTS ON VEGETATION LAND COVER IN DRYLAND CONSTANTA COUNTY, ROMANIA D. Savastrou, M. Zoran, R. Radvan, M. Tautan, D. Tenciu		
	1152	ASSESING LAND REDISTRIBUTION PLANS USING STOCHASTIC MULTI-CRITERIA ACCEPTABILITY ANALYSIS D. Demetriou		
	1168	MONITORING LANDSCAPE RESTORATION: FROM LAND USE CHANGE METHODOLOGIES TO COLLABORATIVE DIGITAL TWIN PLATFORMS IN THE CONTEXT OF LOCALLY-DRIVEN IMPLEMENTATIONS M. Gabriele, R. Brumana, N. Genzano		
	1228	ASSESSMENT OF HEAT ISLANDS IN THE SOUTHEAST AND NORTHEAST ECONOMIC REGIONS OF BULGARIA BY REMOTE SENSING T. Spasova, D. Avetisyan, I. Ivanoova		
	1205	ASSESS1219ING THE DYNAMICS OF LAND USE AND LAND COVER THROUGH MACHINE LEARNING TECHNIQUES IN THE TUNISIAN SEMI-ARID CONTEXT K. Khemiri, A. Chekirbane, C. Panagiotou		
	1200	LINKING URBANIZATION WITH AIR POLLUTION AND THERMAL ENVIRONMENT IN BUCHAREST CITY M. Zoran, R. Radvan, D. Savastrou, M. Tautan		
9/4	14:00-15:30	Water, Hydrology, Water Resources, Floods Abstract Session	Chair: Constantinos Panagiotou Chair support: Josefina Kountouri	Room: ZEUS
	1180	ASSESSING THE IMPACT OF KLIROU-MALOUNTA DAM (CYPRUS) ON DOWNSTREAM VEGETATION DYNAMICS: A REMOTE SENSING AND HYDROLOGICAL MODELING APPROACH E. Loulli, M. Gabriele, M. Eliades		
	1185	EVALUATING THE EFFECTIVENESS OF IMPROVED DIGITAL SOIL MAPS, GENERATED THROUGH A HYBRID CNN-RF APPROACH, FOR ESTIMATING SOIL LOSS DUE TO WATER EROSION N. Tziolas, N. Samarinas, I. Tsividis, G. Zalidis		
	1199	ASSESSING THE FEASIBILITY OF MAR IN CYPRUS THROUGH THE USE OF A PARTICIPATIVE MULTI-CRITERIA DECISION ANALYSIS C. Panagiotou, S. Eisenreich, T. Martins, O. Barouta, S. Neofytides, M. Stylianou, C. Stefan, A. Chekirbane, K. Khemiri		
9/4	14:00-15:30	Workshop (see separate agenda)	Chair: Chair support:	Room: ADONIS
	Workshop	Copernicus Uptake for the Maritime sector. Match making event and Workshop in Cyprus organized by the Framework Partnership Agreement on Copernicus User Uptake (FPCUP) Part 2: 9.30am to 13.00 Synergies with the Beyond the Horizon Workshop Part 3: 14.00-15.30 Presentations		
9/4	15:30-16:00	**CLOSING CEREMONY AND AWARDS**		

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POSTER PRESENTATIONS		
	ID	Title
POSTER PRESENTATIONS	1197	MONITORING AND INVERSION OF THREE CO-SEISMIC EVENTS ON THE BALKAN PENINSULA. M. Atanasova-Zlatareva, H. Nikoloz, L. Dimova, R. Raykova
	1149	MAPPING COASTAL EROSION USING UAVS, GNSS AND GIS. THE CASE OF RIO GREECE. A. Kyriou, K. Nikolakopoulos, I. Koukouvelas
	1153	NEAR REAL TIME SEA TRAFFIC MONITORING USING LANDSAT-8/9 S. Voinov, T. Kaminski, D. Krause, E. Schwarz
	1160	COMPARATIVE ANALYSIS OF WIND SPEED AND DIRECTION MEASUREMENTS FROM SENTINEL- 1 SAR AND SENTINEL - 3 SATELLITES E. Kalogirou, G. Melillos, C. Mettas, E. Evagorou, D. Hadjimitsis
	1232	ASSESSMENT OF MOSSES IN ANTARCTICA AND BULGARIA BY REMOTE SENSING AND CHLOROPHYLL FLUORESCENCE T. Spasova, D. Avetisyan
	1226	THE USE OF REMOTE SENSING AND GIS DATA FOR THE DETECTION OF SEA LEVEL CHANGE: A CASE STUDY OF CYPRUS N. Akçit, C. Kara
	1225	INSAR AND GROUND TRUTH OBSERVATIONS FOR THE DETECTION AND MONITORING OF LANDSLIDES IN PEDOULAS VILLAGE, IN CYPRUS S. Alatza, C. Loupasakis, A. Apostolakis, M. Tzouvaras, K. Themmistocleous, C. Kontoes, A. Tsouni, C. Danezis, D. Hadjimitsis
	1220	EVALUATION OF AGRO-ECOLOGICAL PRACTICES IN NORTH AFRICA, EMPLOYING THE DAHBSIM MODEL WITH EARTH OBSERVATION DATA C. Kalaitzidis, D. Ouerfelli, J. Calabrese, G. Kleftodimos
	1159	ANALYSIS OF AN EXTREME HYDROMETEOROLOGICAL EVENT IN ATHENS, GREECE ON SEPTEMBER 6, 2023, USING OTT PARSIVEL DISDROMETER AND PLUVIOMETER DATA P. Nastos, E. Feloni, A. Chasiotis
	1135	ANALYSIS OF THE IMPACT OF SPATIAL PLANNING ON AIR POLLUTANT TRENDS USING MODIS DATA E.M. Toader, A. Badea, C. Croitoru
	1142	ONE-YEAR OBSERVATIONS OF HORIZONTAL WINDS IN LIMASSOL, CYPRUS USING A DOPPLER LIDAR D. Ene, R. Mamouri, A. Nisantzi, M. Poutli, M. Anastasiadou, K. Fragkos, C. Papoutsa, S. Michaelides, J. Bühl, P. Seifert, D. Hadjimitsis
	1210	SMOKE OPTICAL PROPERTIES: LIDAR OBSERVATIONS IN CYPRUS DURING 2021-2023 M. Poutli, D. Hadjimitsis, A. Nisantzi, A. Ansmann, R. Mamouri
	1172	HOW CAN REMOTE SENSING BE A MODERN SOLUTION FOR MONITORING XYLELLA FASTIDIOSA BACTERIUM THAT THREATENS OLIVE TREES: A REVIEW M. Hadjichristodoulou, C. Papoutsa, L. Kanetis, M. Stavrinides, M. Eliades, D. Hadjimitsis
	1234	POTATO YIELD EMPOWERMENT BY PHOTOSYNTHESIS, CARBON ASSIMILATION AND EVAPOTRANSPIRATION E. Neofytou, S. Neofytides, I. Tsoumas, A. Tsalakou, M. Christoforou, M. Iliades, C. Papoutsa, C. Kontoes, D. Hadjimitsis
	1175	UNMANNED AERIAL SYSTEMS FOR EARLY DETECTION OF DOWNY MILDEW IN TOBACCO FIELDS: ENHANCING FINANCIAL OUTCOMES THROUGH PRECISION MONITORING M. Chatzidimopoulos, M. Tsiouni, C. Lagoudas, A. Loridas, S. Baliktsis, C. Vozikis
	1192	A REVIEW: SOIL PROPERTIES MAPPING ESTIMATION USING REMOTE AND PROXIMAL SENSING DATA. D. Koumoulidis, A. Efthimiadou, N. Katsenios, D. Hadjimitsis
	1235	CAPACITY BUILDING OF STAKEHOLDERS IN CARBON FARMING UNDER THE 'CARBONICA' Project: 'Carbon Initiative for Climate-resilient Agriculture' D. Hadjimitsis, M. Christoforou, S. Efstathiou, A. Tsalakou, A. Nisantzi, and M. Stavrinides
	1176	MAPPING ECOSYSTEM SERVICES TRADE-OFFS AND SYNERGIES OVER PILOT NATURA 2000 SITES IN GREECE I. Chrysafis, K. Vatitsi, I. Kokkoris, P. Dimopoulos, T. Roustanis, H. Georgiadis, E. Chalkidou P. Patias, G. Mallinis
	1150	UAV, SATELLITE DATA AND GIS FOR REEF MONITORING IN PROKOPOS LAGOON K. Nikolakopoulos, A. Kyriou, A. Ntzoumani, S. Faulwetter, A. Ramfos, P. Avramidis
	1145	DROUGHTS SEVERITY SCORE PREDICTION USING EXPLAINABLE MACHINE LEARNING METHODOLOGIES. S. Neophytides, M. Mavrovouniotis, M. Eliades, D. Hadjimitsis, F. Bachofer
	1171	A PRELIMINARY ASSESSMENT OF RESERVOIR SEDIMENTATION IN SELECTED DAMS OF CYPRUS N. Gourgouletis, E.Baltas
	1181	ESTABLISHING MUNICIPAL HYDROMETEOROLOGICAL-HYDROMETRIC STATION NETWORKS: A GIS-ASSISTED MCDM DESIGN APPROACH E. Feloni, P. Nastos, A. Chasiotis
	1229	ASSESSMENT OF SATELLITE-DERIVED RAINFALL DATASETS FOR FLOOD EVENTS SIMULATIONS, IN THE UPPER ALFEIOS RIVER BASIN, GREECE G. Savvas, A. Bournas, E.Baltas
	1162	INTEGRATED APPLICATION OF GEOSPATIAL TECHNOLOGIES FOR DIGITAL TWINING OF URBANIZED TERRITORIES FOR MICROSCALE URBAN PLANNING S. Petrov, S. Dimitrov, I. Ihtimanski
	1165	UAS BASED REMOTE SENSING FOR RAPID LARGE-SCALE MAPPING OF URBANIZED TERRITORIES FOR SUSTAINABLE URBAN PLANNING: THE CASE OF STARA ZAGORA, BULGARIA I. Ihtimanski, S. Dimitrov, S. Petrov
	1222	ADVANCING FOREST BIODIVERSITY CONSERVATION WITH THE EL-BIOS DIGITAL TWIN: AN INTEGRATION OF LIDAR AND MULTISPECTRAL EARTH OBSERVATION DATA I.Karolos, K. Bellos, V. Alexandritis, I. Chrysafia, H. Georgiadis, C. Pikridas, V. Tsioukas, P. Patias, G. Mallinis
	1221	ENHANCING DISASTER RISK REDUCTION THROUGH ARTIFICIAL INTELLIGENCE: CAPITALIZING ON THE CAPACITY BUILDING ACTIVITIES OF THE AI-OBSERVER TWINNING PROJECT M. Tzouvaras, M. Mavrovouniotis, R. Votsis, K. Fotiou, E. Kalogirou, T. Polydorou, G. Reis, F. Del Frate, L. Papale, G. Guerrisi, D. Hadjimitsis
	1154	ESTIMATING YIELD WITH THE OBJECT DETECTION MODEL YOLOV5S S. Neophytides, G. Guerrisi, M. Mavrovouniotis, M. Tzouvaras, F. Del Frate, D. Hadjimitsis
	1195	THE STUDY OF THE URBAN HEAT ISLAND EFFECT IN CYPRUS USING GOOGLE EARTH ENGINE FOR 2013-2023 C. Soderiades, S. Neophytides, S. Michaelides, D. Hadjimitsis
	1219	WATER PLANNING AND MANAGEMENT SCENARIOS IN AKROTIRI (CYPRUS) USING AQUATOOL DECISION SUPPORT SYSTEM S. Ghannem, G. Paschalidou, C. Panagiotou, R. Bergillos, M. Sctylianou, N. Lerma
	1223	SHORELINE DETECTION RESULTING IN HISTORICAL BEACH SHAPES IN CHRYSOCHOY BAY CYPRUS D. Christofi, C. Mettas, E. Evagorou, N. Stylianou, T. Hasiotis, C. Danezis, D. Hadjimitsis

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RSCy2024: Tenth International Conference on Remote Sensing and Geoinformation of Environment
Agenda
rscy2024.cyprusremotesensing.com

Under the Auspices

08:00 - 09:00	**Registration**	
09:00 - 09:30	**Keynote Speakers** Dr El Hadi Gashut - **Research and Developmental Activities of the Regional Center for Remote Sensing of North Africa States – Collaboration Prospects and Joint Activities with the Eratosthenes Center of Excellence** Dr Evdokimos I. Konstantinidis - **Empowering Sustainable Development: The Role of Living Labs**	
Session organized by the EXCELSIOR H2020 Teaming Project & CARBONICA Horizon Europe Project "ERATOSTHENES CoE Living Labs & Opportunities and Challenges in Carbon Farming for a Success Story in Cyprus and the EU" **To attend online please press here**		
09:35 - 11:00	**Session I – Welcome Notes** Dr Maria Panayiotou - **Minister of Agriculture, Rural Development and Environment of Cyprus** Prof. Grigoris Varras - **Advisor to the General Secretariat of the Prime Minister of Greece** Mr Thomas Krauß - **DLR representative** Prof. George Zalidis and Dr Paraskevi Chantzi - **Carbon Farming: Transitioning from Present to Future**	
	Advancing Carbon Farming: Challenges, Opportunities, EU roadmap for sustainable carbon farming and relative projects - organized by the EXCELSIOR H2020 Teaming Project & CARBONICA Horizon Europe Project	**Session I – Presentations** ▪ EU Soil Observatory (Dr Panos Panagos – JRC, European Commission) ▪ A Soil Deal for Europe and Soil Living Labs (Dr Jelena Vidovic – DG AGRI, European Commission) ▪ EU Climate Policy (Ms Frida Sund Falkevik – DG CLIMA, European Commission) ▪ Carbonica project (Dr Christiana Papoutsa - ERATOSTHENES CoE) ▪ MRV4SOC / AI4SoilHealth projects (Mr Kostas Karyotis – AUTH) ▪ interBalkan Environment Center (Dr Paraskevi Chantzi) ▪ CAMs (Dr Maria Anastasiadou - ERATOSTHENES CoE) ▪ GreenCarbonCY project (Ms Eleni Loulli - ERATOSTHENES CoE)
11:00 - 11:30	Coffee Break - Poster presentations	
11:30 - 13:00	Carbon Farming and Quadruple Helix Perspectives on Carbon Farming Policy, Research, Innovation, and Community Engagement for Sustainable Agriculture - organized by the EXCELSIOR H2020 Teaming Project & CARBONICA Horizon Europe Project	**Session II - Panel Discussion** ▪ **Dr Giorgos Papadavid (Panel Moderator)** ▪ Dr Paraskevi Chantzi (Academia) ▪ Dr Marios Kuriacou (Policy Maker / Governance) ▪ Ms Chara Christodoulou (Industry) ▪ Mr Anastasis Yiapanis (Farmers Association Representative) ▪ Mr Orestis Karghotis (NGO – Terra Cypria)
13:00 - 14:00	Lunch	
14:00 - 15:30	Co-creation and Problem-Solving by Harnessing Living Labs towards Sustainable Agriculture – ERATOSTHENES CoE Living Labs for Agriculture and Atmosphere as a path to success in Cyprus and the EU - organized by the EXCELSIOR H2020 Teaming Project	**Session III - Presentations** ▪ Dr Evdokimos I. Konstantinidis (ENoLL – Living Labs / SOILL, NATI00NS and PREPSOIL projects) ▪ Dr Ioannis Varvaris (ERATOSTHENES CoE Living Labs: AGRI and ATMO) ▪ Dr Marinos Eliades (AgriNexus - ERATOSTHENES CoE) ▪ Dr Kostas Fragkos (UVI - ERATOSTHENES CoE) ▪ Dr Christiana Papoutsa (Brain Gain Strategy: Opportunities and Incentives) **Session III - Panel Discussion** ▪ **Prof. Andreas Anayiotos (Panel Moderator / ERATOSTHENES CoE)** ▪ Dr Evdokimos I. Konstantinidis (ENoLL) ▪ Prof. Menelaos Stavrinides (CUT) ▪ Mr Demetris Demetriou (SPECTRUM) ▪ Mr Marcos Zambartas (Zambartas Winery) ▪ Dr Rodanthi Elisavet Mamouri (ERATOSTHENES CoE) ▪ Ms Eleni Loulli (ERATOSTHENES CoE Gender Equality Committee & Women in Copernicus) ▪ Dr Filippos Tymvios (Department of Meteorology)

Organised by:

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Aliathon Holiday Village, Paphos – Cyprus

Monday 8th of Aprili 16:00 – 18:00
Tuesday 9th of April 09:00 – 15:30

Copernicus uptake for the maritime sector - Awareness and Matchmaking Event

Time	Title	Expert	Sector
Monday 8 April 2024			
	Awareness and Presentation of the Used Cases		
16:00 - 16:30	Registration		
16:30- 16:35	Introduction, Welcome Speeches and Structure of Event	• **Prof. Diofantos Hadjimitsis**	Cyprus University of Technology & Eratosthenes Centre of Excellence
16:35- 17:00	Introduction to Framework Partnership Agreement on Copernicus User Uptake (FPCUP) and Copernicus Services	• **Dr. Kyriacos Themistocleous**	Cyprus University of Technology & Eratosthenes Centre of Excellence
17:00- 17:20	Copernicus Uptake for the Maritime Sector – Identified Gaps and Needs among Cypriot Stakeholders within 3 sectors	• **Polina Sokratous** • **Georgios Nikola** • **Despina Makri**	Cyprus University of Technology
17:20- 17:50	Part 1: Available Cases for Ports and Harbors, Aquaculture and Fisheries to fill identified gaps and needs		
Time	**Title**	**Expert**	**Sector**

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-	Application and Services in the Maritime Sector Using Earth Observation at Eratosthenis Center of Excellence	• **Dr. Christodoulos Mettas**	Cyprus University of Technology & Eratosthenes Centre of Excellence
-	"BEACHTECH Project: Coastal erosion due to climate change: Assessment and how to deal effectively in the tourist areas of North Aegean and Cyprus"	• **Miria Loizidou**	Municipality of Pegeia
17:50- 18:00	Conclusion and Q & A		

Time	Title	Expert	Sector
Tuesday 9 April 2024			
	Match-Making Event – Stakeholder Engagement – Used Cases		
9:00 - 9:30	Registration		
09:30 – 13:00	Presentation of the Match-Making Event	**Stakeholder Engagement / Synergies with the Excelsior workshop / General Discussion – Round Table**	-
13:00-14:00	Light Lunch		
14:00-15:00	Part 2: Available Cases for Ports and Harbors, Aquaculture and Fisheries to fill identified gaps and needs		
-	Costal Erosion	• **Dr. Thomas Hasiotis**	University of Aegean

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-	Seagrass mapping and other habitat types with remote sensing techniques in Cyprus area of interest	• **Despoina Makri**	Cyprus University of Technology & Eratosthenes Centre of Excellence
-	Public Works Department – Coastal Works	• **Marios Zervos**	Public Works Department
15:00-15:30	Conclusion and General Debate with the Audience and other potential user needs unidentified		

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'Beyond the Horizon: The Second Workshop on Maritime Security, Surveillance and Awareness organized by the Excelsior H2020 Teaming Project: Eratosthenes CoE-DLR
Agenda

Date:	**Tuesday, 9th April 2024**
Time:	**09:00 – 13:30**
Address:	**Aliathon Holiday Village, Paphos - Cyprus**

AGENDA	
09:00 – 09:30	**Registration and Coffee Break**
09:30 – 09:35	**Introduction** ▪ *Project introduction by Prof. Dr. Diofantos Hadjimitsis*
09:35 – 09:40	**Introduction to Maritime Security / Safety Sector** ▪ *Introduction by Dr. George Melillos*
09:40 – 10:00	**Presentation of the status of the antenna and PECS NRT project** ▪ *Presentation by Mr. Nicos Christoforou*
10:00 – 10:20	**AI Maritime** • Presentation by Haris Zacharatos, Cellock
	Presentation by regional stakeholders
10:20 – 10:40	**Cyprus Marine Police** ▪ *Ieronimos Evaggelou*
10:40 – 11:00	**Joint Rescue Coordination Center (JRCC) – Online** ▪ *Iacovos Stylianides*
11:00 - 11:35	**Coffee-break**
	Presentations by European and international Stakeholders
11:35 – 11:55	**European Fisheries Control Agency, EFCA** • *Sven Tahon*

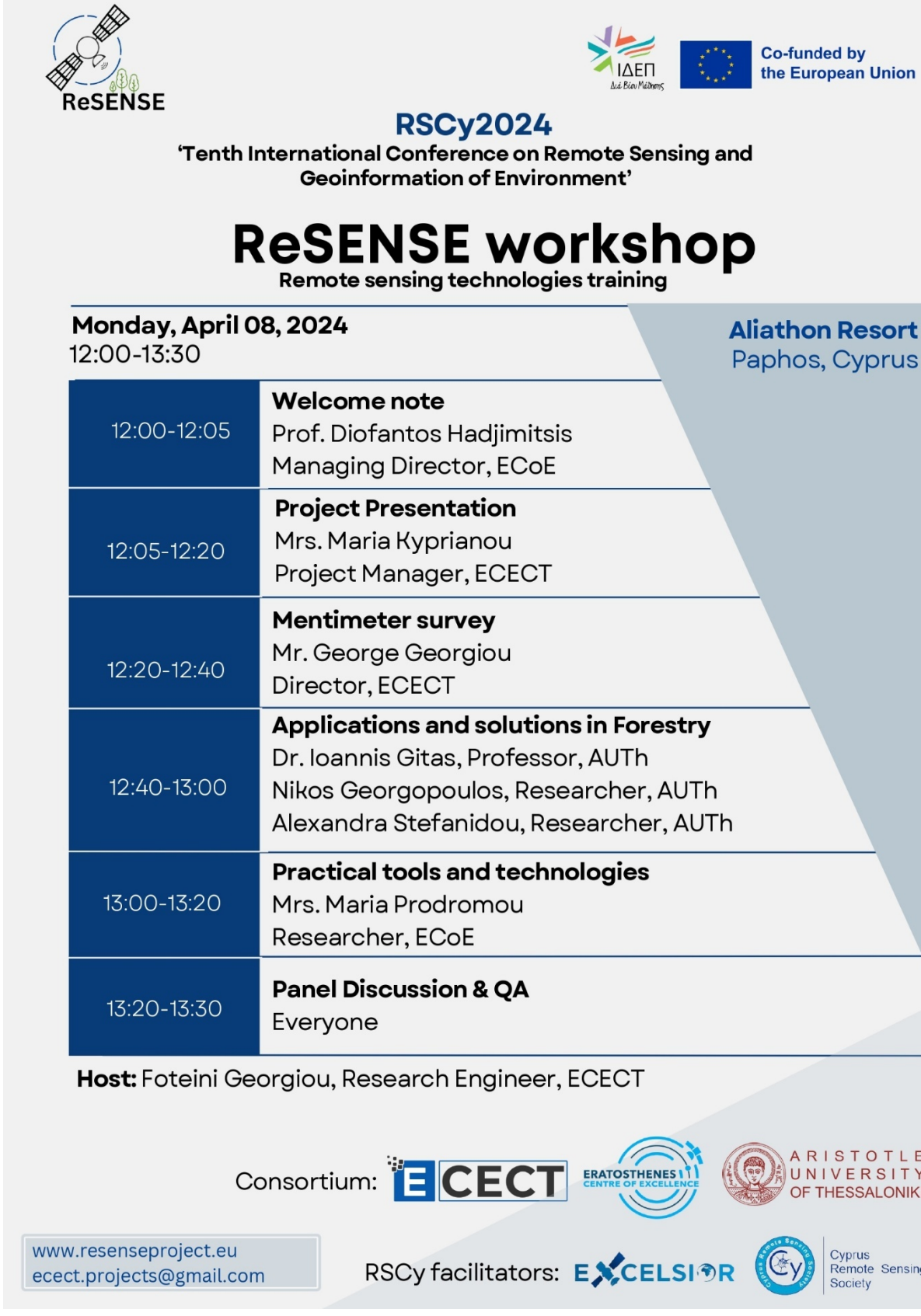
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AGENDA	
11:55 – 12:15	**Presentation from global industry players on NRT needs in the area** • *Nicos Spyropoulos from EarthDaily (15")*
12:15 – 12:35	**Satellite-Based Maritime Services** • **Nicolas Erwes from Airbus Defense and Space**
12:35 – 12:55	**DLR – Earth Observation Center: Excelsior Maritime Demonstrator 2024** • *Mr Egbert Schwarz & Stefan Wiehle*
12:55– 13.30	**Open Discussion with Stakeholders** ▪ *Q+A Session*
13:30 -14:30	**Light Lunch**

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5th EXCELSIOR Annual Hybrid Workshop in Big Data in Earth Observation: Trends and Challenges

Final agenda

Date & Time: 8th April 2024

Place: Aliathon Holiday Village & Online

Zoom link: http://surl.li/saybd

Time (CY)	Organisation	Title	Speaker	Type of presence
11:50 – 12:00	ERATOSTHENES CoE (Cyprus)	Welcome note	Michalis Mavrovouniotis	Physical
12:00 – 12:30	CaSToRC, The Cyprus Institute (Cyprus)	Artificial Intelligence: Recent Developments, Limitations, and Opportunities for Remote Sensing Data	Mihalis Nicolaou	Physical
12:30 – 13:00	ERATOSTHENES CoE (Cyprus)	ERATOSTHENES Cyprus Data Cube	Stelios Neophytides	Physical
13:00 – 13:30	CaSToRC, The Cyprus Institute (Cyprus)	Enhancing Machine Learning Performance: Essential Data Cleaning and Preprocessing Techniques	Charalampos Chrysostomou	Physical
13:30 – 14:30 Lunch Break				

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14:30 – 15:00	Norwegian University of Science and Technology (Norway)	Trustworthy AI	Georgios Spathoulas	Physical
15:00 – 15:30	University of Rome Tor Vergata	Artificial Intelligence for on-board processing	Fabio Del Frate	Online
15:30 – 16:00	DFKI	Artificial Intelligence in SAR Data Pre-Processing: Despeckling	Gerd Reis	Online
16:00 – 16:30 Coffee Break				
16:30 – 17:00	Neapolis University Pafos	Charting the Course: AI Trends and the Quest for Explainability	Anthis Zachos	Physical
17:00 – 17:30	CyRIC (Cyprus)	Revolutionizing (Remote) Sensing with LoRaWAN and Satellite Solutions	Giorgos Tsapparellas	Physical
17:30 – 18:00	National Observatory Athens	BEYOND FloodHub Diachronic Mapping Service in the Transnational Evros River Basin	Alexia Tsouni	Physical
18:00 – 18:10 Final remarks				

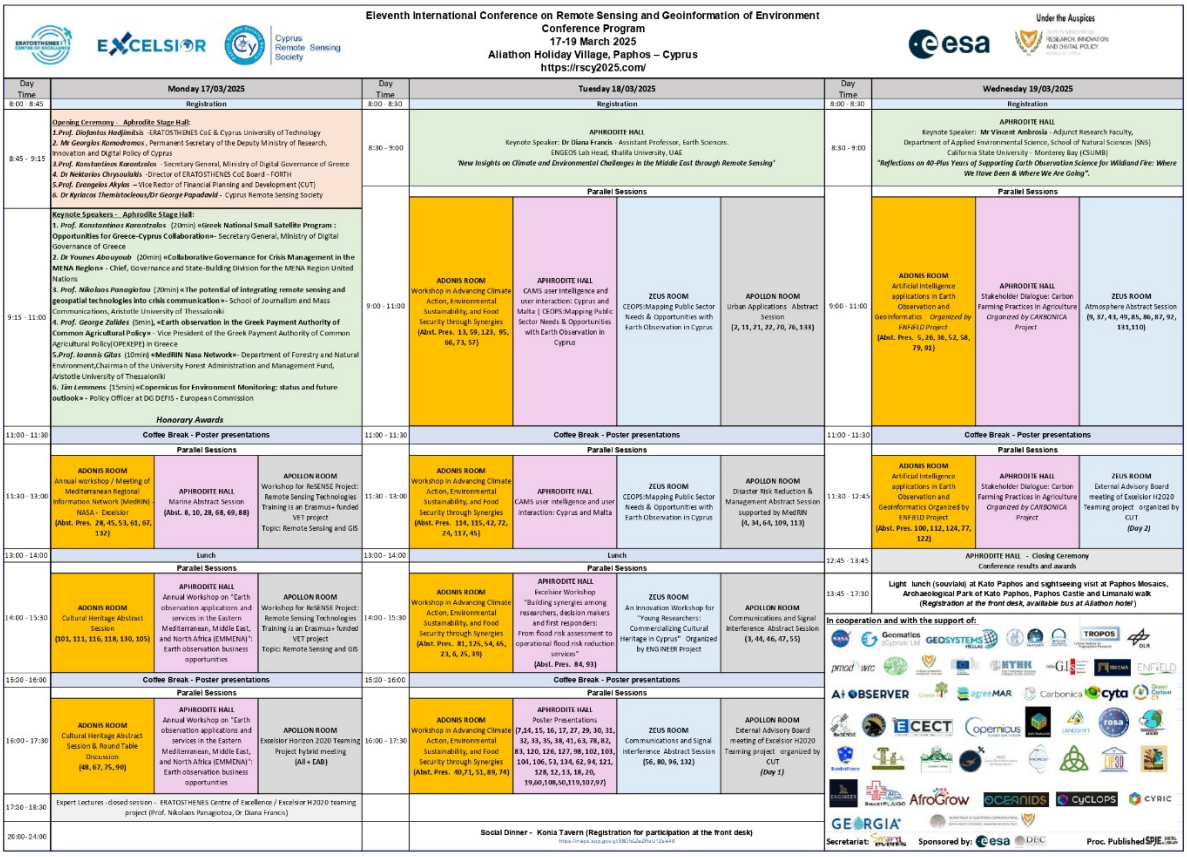
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Appendix D: Agenda for RSCy2025



Eleventh International Conference on Remote Sensing and Geoinformation of Environment
Conference Program
17-19 March 2025
Aliathon Holiday Village, Paphos – Cyprus
https://rscy2025.com/

Under the Auspices

Day Time	Monday 17/03/2025	Day Time	Tuesday 18/03/2025	Day Time	Wednesday 19/03/2025
8:00 - 8:45	**Registration**	8:00 - 8:30	**Registration**	8:00 - 8:30	**Registration**
8:45 - 9:15	Opening Ceremony - Aphrodite Stage Hall: ***1.Prof. Diofantos Hadjimitsis*** - ERATOSTHENES CoE & Cyprus University of Technology ***2. Mr Georgios Komodromos*** , Permanent Secretary of the Deputy Ministry of Research, Innovation and Digital Policy of Cyprus ***3.Prof. Konstantinos Karantzalos*** - Secretary General, Ministry of Digital Governance of Greece ***4. Dr Nektarios Chrysoulakis*** - Director of ERATOSTHENES CoE Board - FORTH ***5.Prof. Evangelos Akylas*** – Vice Rector of Financial Planning and Development (CUT) ***6. Dr Kyriacos Themistocleous/Dr George Papadavid*** - Cyprus Remote Sensing Society	8:30 - 9:00	**APHRODITE HALL** Keynote Speaker: **Dr Diana Francis** - Assistant Professor, Earth Sciences. ENGEOS Lab Head, Khalifa University, UAE ***'New Insights on Climate and Environmental Challenges in the Middle East through Remote Sensing'***	8:30 - 9:00	**APHRODITE HALL** Keynote Speaker: **Mr Vincent Ambrosia** - Adjunct Research Faculty, Department of Applied Environmental Science, School of Natural Sciences (SNS) California State University - Monterey Bay (CSUMB) ***"Reflections on 40-Plus Years of Supporting Earth Observation Science for Wildland Fire: Where We Have Been & Where We Are Going".***
9:15 - 11:00	**Keynote Speakers: - Aphrodite Stage Hall:** **1. *Prof. Konstantinos Karantzalos*** (20min) **«Greek National Small Satellite Program : Opportunities for Greece-Cyprus Collaboration»**- Secretary General, Ministry of Digital Governance of Greece **2. *Dr Younes Abouyoub*** (20min) **«Collaborative Governance for Crisis Management in the MENA Region»** - Chief, Governance and State-Building Division for the MENA Region United Nations **3. *Prof. Nikolaos Panagiotou*** (20min) **« The potential of integrating remote sensing and geospatial technologies into crisis communication »**- School of Journalism and Mass Communications, Aristotle University of Thessaloniki **4. *Prof. George Zalidis*** (5min), **«Earth observation in the Greek Payment Authority of Common Agricultural Policy»** - Vice President of the Greek Payment Authority of Common Agricultural Policy(OPEKEPE) in Greece **5.*Prof. Ioannis Gitas*** (10min) **«MedRIN Nasa Network»**- Department of Forestry and Natural Environment,Chairman of the University Forest Administration and Management Fund, Aristotle University of Thessaloniki **6. *Tim Lemmens*** (15min) **«Copernicus for Environment Monitoring: status and future outlook» -** Policy Officer at DG DEFIS - European Commission ***Honorary Awards***	9:00 - 11:00	**Parallel Sessions** **ADONIS ROOM** Workshop in Advancing Climate Action, Environmental Sustainability, and Food Security through Synergies **(Abst. Pres. 13, 59, 123, 95, 66, 73, 57)** **APHRODITE HALL** CAMS user intelligence and user interaction: Cyprus and Malta | CEOPS:Mapping Public Sector Needs & Opportunities with Earth Observation in Cyprus **ZEUS ROOM** CEOPS:Mapping Public Sector Needs & Opportunities with Earth Observation in Cyprus **APOLLON ROOM** Urban Applications - Abstract Session **(2, 11, 21, 22, 70, 76, 133)**	9:00 - 11:00	**Parallel Sessions** **ADONIS ROOM** Artificial Intelligence applications in Earth Observation and Geoinformatics - *Organized by ENFIELD Project* **(Abst. Pres. 5, 26, 36, 52, 58, 79, 91)** **APHRODITE HALL** Stakeholder Dialogue: Carbon Farming Practices in Agriculture *Organized by CARBONICA Project* **ZEUS ROOM** Atmosphere Abstract Session **(9, 37, 43, 49, 85, 86, 87, 92, 111,110)**
11:00 - 11:30	**Coffee Break - Poster presentations**	11:00 - 11:30	**Coffee Break - Poster presentations**	11:00 - 11:30	**Coffee Break - Poster presentations**
11:30 - 13:00	**Parallel Sessions** **ADONIS ROOM** Annual workshop / Meeting of Mediterranean Regional Information Network (MedRIN) - NASA - Excelsior **(Abst. Pres. 28, 45, 53, 61, 67, 132)** **APHRODITE HALL** Marine Abstract Session **(Abst. 8, 10, 28, 68, 69, 88)** **APOLLON ROOM** Workshop for ReSENSE Project: Remote Sensing Technologies Training is an Erasmus+ funded VET project Topic: Remote Sensing and GIS	11:30 - 13:00	**Parallel Sessions** **ADONIS ROOM** Workshop in Advancing Climate Action, Environmental Sustainability, and Food Security through Synergies **(Abst. Pres. 114, 115, 42, 72, 24, 117, 45)** **APHRODITE HALL** CAMS user intelligence and user interaction: Cyprus and Malta **ZEUS ROOM** CEOPS:Mapping Public Sector Needs & Opportunities with Earth Observation in Cyprus **APOLLON ROOM** Disaster Risk Reduction & Management Abstract Session supported by MedRIN **(4, 34, 64, 109, 113)**	11:30 - 12:45	**Parallel Sessions** **ADONIS ROOM** Artificial Intelligence applications in Earth Observation and Geoinformatics Organized by ENFIELD Project **(Abst. Pres. 100, 112, 124, 77, 122)** **APHRODITE HALL** Stakeholder Dialogue: Carbon Farming Practices in Agriculture *Organized by CARBONICA Project* **ZEUS ROOM** External Advisory Board meeting of Excelsior H2020 Teaming project organized by CUT ***(Day 2)***
13:00 - 14:00	**Lunch**	13:00 - 14:00	**Lunch**	12:45 - 13:45	**APHRODITE HALL - Closing Ceremony** **Conference results and awards**
14:00 - 15:30	**Parallel Sessions** **ADONIS ROOM** Cultural Heritage Abstract Session **(101, 111, 116, 118, 130, 105)** **APHRODITE HALL** Annual Workshop on "Earth observation applications and services in the Eastern Mediterranean, Middle East, and North Africa (EMMENA)": Earth observation business opportunities **APOLLON ROOM** Workshop for ReSENSE Project: Remote Sensing Technologies Training is an Erasmus+ funded VET project Topic: Remote Sensing and GIS	14:00 - 15:30	**Parallel Sessions** **ADONIS ROOM** Workshop in Advancing Climate Action, Environmental Sustainability, and Food Security through Synergies **(Abst. Pres. 81, 125, 54, 65, 23, 6, 25, 19)** **APHRODITE HALL** Excelsior Workshop "Building synergies among researchers, decision makers and first responders: From flood risk assessment to operational flood risk reduction services" **(Abst. Pres. 84, 93)** **ZEUS ROOM** An Innovation Workshop for "Young Researchers: Commercializing Cultural Heritage in Cyprus" - Organized by ENGINEER Project **APOLLON ROOM** Communications and Signal Interference Abstract Session **(3, 44, 46, 47, 55)**	13:45 - 17:30	**Light lunch (souvlaki) at Kato Paphos and sightseeing visit at Paphos Mosaics, Archaeological Park of Kato Paphos, Paphos Castle and Limanaki walk** ***(Registration at the front desk, available bus at Aliathon hotel)***
15:00 - 16:00	**Coffee Break - Poster presentations**	15:00 - 16:00	**Coffee Break - Poster presentations**		
16:00 - 17:30	**Parallel Sessions** **ADONIS ROOM** Cultural Heritage Abstract Session & Round Table Discussion **(48, 67, 75, 90)** **APHRODITE HALL** Annual Workshop on "Earth observation applications and services in the Eastern Mediterranean, Middle East, and North Africa (EMMENA)": Earth observation business opportunities **APOLLON ROOM** Excelsior Horizon 2020 Teaming Project hybrid meeting **(All + CAB)**	16:00 - 17:30	**Parallel Sessions** **ADONIS ROOM** Workshop in Advancing Climate Action, Environmental Sustainability, and Food Security through Synergies **(Abst. Pres. 40,71, 51, 89, 74)** **APHRODITE HALL** Poster Presentations **(7,14, 15, 16, 17, 27, 29, 30, 31, 32, 33, 35, 38, 41, 63, 78, 82, 83, 120, 126, 127, 98, 102, 103, 104, 106, 53, 134, 62, 94, 121, 128, 12, 13, 18, 20, 19,60,108,50,119,107,97)** **ZEUS ROOM** Communications and Signal Interference Abstract Session **(56, 80, 96, 132)** **APOLLON ROOM** External Advisory Board meeting of Excelsior H2020 Teaming project organized by CUT ***(Day 1)***		
17:50 - 18:30	Expert Lectures -closed session - ERATOSTHENES Centre of Excellence / Excelsior H2020 teaming project (Prof. Nikolaos Panagiotou, Dr Diana Francis)				
20:00 - 24:00			**Social Dinner - Konia Tavern (Registration for participation at the front desk)**		

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Eleventh International Conference on Remote Sensing and Geoinformation of Environment
Conference Program
https://rscy2025.com/

Under the Auspices

Monday 17 March 2025 (Aphrodite Stage Hall)

08:00-08:45	REGISTRATION		
17/3 8:45 - 9:15	Opening Ceremony (Aphrodite Stage Hall)		
	Welcome, Greetings and Opening Speeches 1.Prof. Diofantos Hadjimitsis -ERATOSTHENES CoE & Cyprus University of Technology 2. Mr Georgios Komodromos, Permanent Secretary of the Deputy Ministry of Research, Innovation and Digital Policy of Cyprus 3.Prof. Konstantinos Karantzalos - Secretary General, Ministry of Digital Governance of Greece 4. Dr Nektarios Chrysoulakis -Director of ERATOSTHENES CoE Board - FORTH 5.Prof. Evangelos Akylas – Vice Rector of Financial Planning and Development (CUT) 6. Dr Kyriacos Themistocleous/Dr George Papadavid- Cyprus Remote Sensing Society		
17/3 9:15-11:00	Keynote Speakers (Aphrodite Stage Hall)		
	1. Prof. Konstantinos Karantzalos (20min) ***«Greek National Small Satellite Program: Opportunities for Greece-Cyprus Collaboration»***- Secretary General, Ministry of Digital Governance of Greece **2. Dr Younes Abouyoub** (20min) ***«Collaborative Governance for Crisis Management in the MENA Region»*** - Chief, Governance and State-Building Division for the MENA Region United Nations - Economic and Social Commission for Western Asia **3. Prof. Nikolaos Panagiotou** (20min) ***«The potential of integrating remote sensing and geospatial technologies into crisis communication»***- School of Journalism and Mass Communications, Aristotle University of Thessaloniki **4. Prof. George Zalides** (5min), ***«Earth observation in the Greek Payment Authority of Common Agricultural Policy»*** - Vice President of the Greek Payment Authority of Common Agricultural Policy (OPEKEPE) in Greece **5.Prof. Ioannis Gitas** (10min) ***«MedRIN Nasa Network»***- Department of Forestry and Natural Environment, Chairman of the University Forest Administration and Management Fund, Aristotle University of Thessaloniki **6. Tim Lemmens** (15min) ***«Copernicus for Environment Monitoring: status and future outlook»*** - Policy Officer at DG DEFIS, European Commission ***Honorary Awards***		
11:00-11:30	COFFEE BREAK - POSTER PRESENTATIONS		
17/3 11:30-13:00	Marine Abstract Session	Chair: Christodoulos Mettas Chair Support: Eleftheria Kalogirou	Room: APHRODITE HALL
008	SENSING UNDERWATER LANDSCAPE OFF COASTAL CITIES: IMPLICATIONS FOR BETTER MANAGEMENT STRATEGIES V. Lioupa, I. Petsimeris, P. Karsiotis, F. Papavasileiou, A. Poulos-Sidiropulos, O. Andreadis, E. Manoutsoglou, T. Hasiotis		
010	CFAR-BASED AUTOMATIC SHIP DETECTION EXPLOITING POLARIMETRIC CORRELATION DESCRIPTORS M. Iqbal, E. Kalogirou, D. Makri, C. Mettas M. Tzouvaras, D. Hadjimitsis		
088	AN APPROACH OF NOVEL CFAR ALGORITHM FOR MOVING SHIP MADE OIL SPILL DETECTION M. Tsvetkov		
068	ACCELERATING OCEAN CURRENTS ANALYSIS: TILING-BASED PARALLEL COMPUTING FOR SAR IMAGERY M. Iqbal, E. Kalogirou, D Makri, C. Mettas, M. Tzouvaras, D. Hadjimitsis		
069	HABITAT TYPES MAPPING USING REMOTE SENSING TECHNIQUES IN CYPRUS D Makri, E. Kalogirou, M. Iqbal, D. Hadjimitsis, C. Mettas		
028	HIGH RESOLUTION AND HIGH FREQUENCY THERMAL INFRARED MONITORING OF SEA SURFACE TEMPERATURE (SST) FROM THE FOREST-CONSTELLATION A. Sarelli, G. Fotopoulos, J. Wong, C. Mollière, A. Spichtinger, L. Liesenhoff		
17/3 11:30-13:00	Workshop (see separate agenda)	Chair: Maria Prodromou Chair Support: Marina Doukanari	Room: APOLLON
Workshop	Workshop for ReSENSE Project: Remote Sensing Technologies Training is an Erasmus+ funded VET project, Topic: Remote Sensing and GIS		
17/3 11:30-13:00	Annual workshop / Meeting of Mediterranean Regional Information Network (MedRIN) - NASA – Excelsior	Chair: Ioannis Gitas Chair Support: Marios Tzouvaras	Room: ADONIS
132	ESTABLISHING A 9M S/X/KA BAND ANTENNA IN CYPRUS: A STRATEGIC LEAP IN EARTH OBSERVATION N. Christoforou, K. Themistocleous, G. Schreier, S. Alexandrou, C. Agrotis		
045	FOREST BIOMASS ESTIMATION IN RUGGED TERRAIN: SENTINEL-1 AND ICEYE SAR INSIGHTS K. Antoniadis, I. Gitas, N. Georgopoulos, D. Stavrakoudis		
053	APPLICATION OF THE GAEZ METHODOLOGY FOR ASSESSMENT OF AGRO-ECOLOGICAL PRACTICES IN NORTH AFRICA C. Kalaitzidis, D. Ouerfelli		
061	DETECTING AND MAPPING BIOCRUSTS IN THE NAMIB DESERT INCORPORATES SPECTRAL INDICES BASED ON PHYCOBILIN, CHLOROPHYLL, AND CELLULOSE K. Noy, M. Silver, E. Zaady, E. Marais, A. Karnieli		
067	NEAR REAL TIME MONITORING OF ILLEGAL ARCHAEOLOGICAL EXCAVATIONS THROUGH REMOTE SENSING TECHNIQUES D. Abate, M.C. Salvi, M. Tzouvaras, D. Hadjimitsis		
028	HIGH RESOLUTION AND HIGH FREQUENCY THERMAL INFRARED MONITORING OF SEA SURFACE TEMPERATURE (SST) FROM THE FOREST-CONSTELLATION A. Sarelli, G. Fotopoulos, J. Wong, C. Mollière, A. Spichtinger, L. Liesenhoff		
13:00-14:00	LUNCH		
17/3 14:00-15:30	Workshop (see separate agenda)	Chair: Gunter Schreier Chair support: Nikos Christoforou	Room: APHRODITE HALL
Workshop	Annual Workshop on "Earth observation applications and services in the Eastern Mediterranean, Middle East, and North Africa (EMMENA)": Earth observation business opportunities		
17/3 14:00-15:30	Workshop (see separate agenda)	Chair: Maria Prodromou Chair Support: Marina Doukanari	Room: APOLLON
Workshop	Workshop for ReSENSE Project: Remote Sensing Technologies Training is an Erasmus+ funded VET project, Topic: Remote Sensing and GIS		
17/3 14:00-15:30	Cultural Heritage Abstract Session	Chair: Konstantinos Roussos Chair Support: Georgios Leventis	Room: ADONIS
101	CONCEPTUAL DESIGN OF VIRTUAL WORLD FOR MONITORING AND STORYLIVING OF CULTURAL HERITAGE E. Anastasovitis, G. Leventis, G. Georgiou, M. Drousiotou		

This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 857510.

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	111	ASSESSING THERMAL STRESS ON CULTURAL HERITAGE IN LIMASSOL: A MULTI-SCALE REMOTE SENSING APPROACH USING SENTINEL-3 AND LANDSAT 9 LAND SURFACE TEMPERATURE DATA C. Dimitriou, K. Themistocleous, D. Abate, D. Hadjimitsis
	116	BRIDGING PAST AND PRESENT: ADVANCING CULTURAL PRESERVATION THROUGH 3D DIGITIZATION K. Themistocleous, E. Evagorou, M. Camassa, D. Christofi, N. Stylianou, C. Mettas, D. Hadjimitsis
	118	DIGITIZING THE CHURCHES OF LIMASSOL: PROCESSING PHOTOGRAMMETRIC POINT CLOUDS FOR CULTURAL HERITAGE PRESERVATION AND PUBLIC ACCESS A. Livadiotis1, K. Themistocleous1, D. Abate1, C. Mettas1, E. Evagorou1, M. Prodromou1, D. Hadjimitsis1
	130	FOSTERING INNOVATION AND ENTREPRENEURSHIP IN CULTURAL HERITAGE: A BUSINESS WORKSHOP FOR YOUNG RESEARCHERS IN CYPRUS M. Mardini, G. Leventis, K. Themistocleous
	105	PROXY REMOTE SENSING AND DATA FUSION FOR THE PROTECTION OF CULTURAL HERITAGE MONUMENTS G. Leventis, D. Abate, A. Argyriou, K. Themistocleous, D. Hadjimitsis
15:30-16:00		COFFEE BREAK - POSTER PRESENTATIONS
17/3 16:00-17:30		Workshop (see separate agenda) — Chair: Andreas Anayiotos, Chair support: Nikos Christoforou — Room: APHRODITE HALL
	Workshop	Annual Workshop on "Earth observation applications and services in the Eastern Mediterranean, Middle East, and North Africa (EMMENA)": Earth observation business opportunities
17/3 16:00-17:30		Close Hybrid Meeting (see separate agenda) — Room: APOLLON
		Excelsior Horizon 2020 Teaming Project hybrid meeting **(All + EAB)**
17/3 16:00-17:30		Cultural Heritage Abstract Session & Round Table Discussion — Chair: Kyriacos Themistocleous, Chair Support: M. Salvi — Room: ADONIS
	048	A STANDARDIZED FRAMEWORK FOR SPATIOTEMPORAL DOCUMENTATION OF CULTURAL HERITAGE OBJECTS T. Roustanis, P. Patias, C. Georgiadis, S. Chalkidou
	067	NEAR REAL TIME MONITORING OF ILLEGAL ARCHAEOLOGICAL EXCAVATIONS THROUGH REMOTE SENSING TECHNIQUES D. Abate, M.C. Salvi, M. Tzouvaras, D. Hadjimitsis
	075	UAV PHOTOGRAMMETRY FOR THE PROTECTION OF CULTURAL HERITAGE: METHODOLOGIES, CASE STUDIES AND APPLICATIONS C. Ioannidis, S. Verykokou, S. Soile, C. Potsiou
	090	BYZANTINE FORTIFICATIONS WITHIN THEIR LANDSCAPE AND ENVIRONMENTAL CONTEXT: A GIS AND A REMOTE SENSING APPROACH K. Roussos, M. Salvi, M. Mardini
		Round Table Discussion
17/3 17:30-18:30		Closed Hybrid Meeting (see separate agenda)
		Expert Lectures -closed session - ERATOSTHENES Centre of Excellence / Excelsior H2020 teaming project (Prof. Nikolaos Panagiotou, Dr Diana Francis)
End of Day 1		

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Tuesday 18 March 2025				
08:00-08:30		REGISTRATION		
18/3 8:30 - 9:00		**Keynote Speaker (Aphrodite Stage Hall)**		
		Dr Diana Francis - Assistant Professor, Earth Sciences. ENGEOS Lab Head, Khalifa University, UAE ***'New Insights on Climate and Environmental Challenges in the Middle East through Remote Sensing'***		
18/3 9:00 - 11:00		Workshop (see separate agenda)	Chair: Silas Michaelides Chair support: Maria Anastasiadou	Room: APHRODITE HALL
		CAMS user intelligence and user interaction: Cyprus and Malta | CEOPS: Mapping Public Sector Needs & Opportunities with Earth Observation in Cyprus		
18/3 9:00 - 11:00		Workshop (see separate agenda)	Chair: Christodoulos Mettas Chair support: Eleni Loulli	Room: ZEUS
		CEOPS: Mapping Public Sector Needs & Opportunities with Earth Observation in Cyprus		
18/3 9:00 - 11:00		Urban Applications Abstract Session	Chair: Marios Tzouvaras Chair support: Andreas Livadiotis	Room: APOLLON
	002	GENERATION OF DIGITAL TERRAIN MODELS FROM DIGITAL SURFACE MODELS USING A WATERSHED TRANSFORMATION APPROACH T. Krauß		
	011	EXPLORING MULTITEMPORAL REMOTE SENSING FOR SUBTERRANEAN FEATURE DETECTION I. Lioumbas, A. Christodoulou, A. Mentes		
	021	THE URBISPHERE SPECTRAL LIBRARY V1.0: ENABLING URBAN MATERIAL IDENTIFICATION ACROSS CITIES USING MULTI-SENSOR SATELLITE IMAGING G. Lantzanakis, N. Chrysoulakis, A. Christen, S. Grimmond, J. Birkmann		
	022	EXTRACTING AND LABELLING HYPERSPECTRAL REFLECTANCE SIGNATURES FROM HYSPEX IMAGERY A. Bantisouli, G. Lantzanakis, N. Chrysoulakis, M. Tserepis, A. Christen, S. Grimmond, J. Birkmann		
	070	UAV-BASED MULTI-ANGULAR DATASET COLLECTION FOR BRDF ESTIMATION I. Petracca, D. Latini, M. Di Giacomo, F. Niro, S. Bonafoni, F. Del Frate		
	076	ADVANCED GPR ALGORITHM FOR HIGH-RESOLUTION DETECTION AND MAPPING OF UNDERGROUND UTILITY NETWORKS M. Arvanitis		
	133	EFFICIENT LEAKAGE MONITORING THROUGH REMOTE SENSING OF WATER PARAMETERS IN WATER DISTRIBUTION NETWORK OF NESTOS AREA A. Chasiotis, E. Feloni, S. Yialama, P. Nastos		
18/3 9:00 - 11:00		Workshop in Advancing Climate Action, Environmental Sustainability, and Food Security through Synergies (Carbonica, GreenCarbonCY, EXCELSIOR, AfroGrow, and CERBERUS)	Chair: Roland Richard Sier Chair Support: Dimitris Koumoulidis	Room: ADONIS
	013	THE ROLE OF AGRICULTURAL ADVISORY SERVICES IN FACILITATING THE ADOPTION OF NEW TECHNOLOGIES BY YOUNG FARMERS IN THE MUNICIPALITY OF SERRES G. Kountios, S. Kanakaris, G. Papadavid		
	059	EVALUATING SOIL EROSION RISK AND SUSTAINABLE PRACTICES IN OLIVE ORCHARDS THROUGH DRONE-BASED MONITORING AND FIELD EXPERIMENTS P. Nastos, C. Pantazis, S. Solomos, I. Fountoulakis, C. Zerefos		
	123	MULTI-SCALE EARTH OBSERVATION AND GEOSPATIAL ANALYSIS FOR SUSTAINABLE VINEYARD MANAGEMENT IN THE MEDITERRANEAN T. Alexandridis, T. Koutsos, N. Karapetsas, G. Ovakoglou, I. Cherif, G. Bilas, E. Melitzanas, T. Chrysochoou, D. Bochtis, S. Theocharis, S. Koundouras		
	095	INCREASING SOIL ORGANIC CARBON STOCKS THROUGH NATURE-BASED SOLUTIONS FOR CLIMATE MITIGATION AND AGRICULTURAL SUSTAINABILITY D. Kitsou, P. Chantzi, G. Galanis, M. Giortsou, G. Kostaki, A. Arabatzis, M. Petrovski, I. Stefanija, C. Pavlopoulou, Ai. Kontogianni, G.Papadavid, C. Papoutsa, M. Tzouvaras, M. Christoforou, D. Hadjimitsis, G. Zalidis		
	066	Assessment of Drought and Soil Moisture Relationship: A case study in Cyprus using Remotely sensed data E. Neofytou, M. Eliades, S. P. Neophytides, C. Papoutsa, C. Kontoes, D. Hadjimitsis		
	073	AFROGROW: CO-CREATING LIVING LABS FOR SUSTAINABLE AGROFORESTRY AND CLIMATE RESILIENCE ACROSS AFRICA I. Varvaris; D. Hadjimitsis; S. Michaelides; M. Mavrovouniotis; M. C. Stavrinides; S. Neophytides; D. Koumoulidis; N. Kokkinos; B. Lojka; R. Kotrba; T. Jůnek; K. Chmelíková; M. Dettenhofer; E. Trakalová; I. Manikas; A. B. K. Gyapong; I. Gitas; N. Georgopoulos; D. Stavrakoudis; P. A. Calatayud; B. M. Sokame; A. Comte; A. B. Tobella S. Tsitouras; G. Michailidou; D. Stavridou; A. Kyriakou; P. Ntalagiannis; I. Kostopoulos; A. Altsitsiadis; A. P. Granados Agüero; M. Ferentinou; D Romney; M. Peligry; T. Mudumba; U. Schaffner; J. Rockloev; M. Treskova; K. Belesova; Z. Pittaki; L Winowiecki; T. G. Vagen; C. Magaju; B. Bidder; P. Masikati; T. Landmann, J. Villinger; K. S. Akutse; D. Muchai; L. Gakii; L Wanja; E. Tadesse; B. Mellise; G. Bowcock; R. Cohen; A. Mekuria; S. Berhanu; N. Yahya; I. Mukumbuta16; K. Muzyamba; S. Thiam; H. Tall; J. Osei Adu; E. Njukwe; A. Tenkouano; M. Savadogo; C. Nyamukondiwa; K. Evan; W. Sehularo; E. J. Tondoh; M. Bana; L. Maizan; S. Sotigui; R. Ahimon; S. Hoidn; M. L. Matthys; M. Marczak; T. Chabosseau2 D. Loginova; G. Lavranou; S. Dötterl; P. Mutungi; J. Mukeka; J. Gerald, and G. Bichanga.		
	057	A MULTIPURPOSE PLATFORM FOR PASTORAL FARMERS AND STAKEHOLDERS P. Kartsimadakis, M. Dar Ali, A. Oikonomou		
	Presentation	The CERBERUS Project: Multiplatform field surveillance for crop health monitoring – ***by M. Stavrinides*** (Ass. Professor CUT & ERATOSTHENES CoE)		
11:00-11:30		COFFEE BREAK - POSTER PRESENTATIONS		
18/3 11:30 - 13:00		Workshop (see separate agenda)	Chair: Silas Michaelides Chair support: Maria Anastasiadou	Room APHRODITE HALL
		CAMS user intelligence and user interaction: Cyprus and Malta | CEOPS: Mapping Public Sector Needs & Opportunities with Earth Observation in Cyprus		
18/3 11:30 - 13:00		Disaster Risk Reduction & Management Abstract Session	Chair: Evagoras Evagorou Chair support: Demetris Christofi	Room: APOLLON
	004	CYPRUS USER ACCESS MANAGEMENT TO MULTIDOMAIN MARKETPLACE (CUAM3) D. Risquez, C. Dimopoulos, C. Panayi, A. Gkountis, K. Katzis, G. Boustras, M. Hadjitheodosiou,, S. Pirio		
	034	DEVELOPING A SATELLITE-BASED TECHNIQUE FOR FLASH FLOOD DETECTION IN ARID REGIONS N. Ronen, S. Isaacson, E. Chen, S. Rotman, D. Blumberg, S. Ravan, M. Goyal, N. Kumar, S. Rakkasagi, S. Maman		
	064	EXPLORING WITH TIME-SERIES SATELLITE DATA NUCLEAR POWER CERNAVODA ENVIRONMENT M. Zoran, D. Savastrou, M. Tautan, D. Tenciu, A. Stanciu		
	109	ASSESSING WILDFIRE IMPACTS IN LOS ANGELES USING VIIRS AND LANDSAT-9 TIRS IMAGERY A. Galodha ***presenting online***		
	113	ASSESSING WATER LOSS AND SEDIMENT DEPOSITION AT MAVROKOLYMPOS DAM USING MULTIMODAL METHODS: TLS, UAV, AND SATELLITE IMAGERY D. Christofi, E. Evagorou, C. Mettas, N. Stylianou, D. Hadjimitsis		

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18/3	11:30 - 13:00	Workshop in Advancing Climate Action, Environmental Sustainability, and Food Security through Synergies (ECO-READY and LandShift)	Chair: Ioannis Varvaris Chair support: Dimitris Koumoulidis	Room: ADONIS
	114	REMOTE SENSING CAPABILITIES FOR THE ESTABLISHMENT OF A FOOD SAFETY AND FOOD SECURITY OBSERVATORY IN EUROPE E. Christoff, S. Duarte, T. Schoppema, B. van der Velden, I. van der Fels - Klerx A. Hurriyetoglu		
	115	AI-POWERED ECONOMIC FORESIGHT MODELLING FOR GLOBAL WHEAT PRODUCTION: A SCENARIO-BASED MAGNET-AI STUDY M. Hajialibeigi, X. Wang, S. Moghayer, D. Korporaal, A. Hurriyetoglu		
	042	TOWARDS A BIG DATA INFRASTRUCTURE AND MONITORING DASHBOARD FOR THE FOOD SECURITY DOMAIN T. Diamantopoulos, D. Nastos, A. Michailoudis, A. Symeonidi		
	072	LANDSHIFT: CO-CREATING LIVING SPACES TO RESOLVE LAND-USE CONFLICTS FOR CLIMATE-RESILIENT LANDSCAPES I. Varvaris; D. Hadjimitsis; K. Themistocleous; S. Michaelides; M. Mavrovouniotis; R.E. Mamouri; S. Neophytides; D. Koumoulidis; N. Kokkinos; A. Coudard; J. Overmeer; R. Brumana; N. Genzano; M. Gabriele; D. Caniani; V. Tramutoli; S. Masi; I. M. Mancini; F. Di Capua; G. Castronuovo; A. Nappi; P. Viggiano; M. Tondriaux; S. Duthoit; A. Gensane; N. Lagarrigue; A. Fromage-Mariette; L. Dezou; D. Rambaud; P. Chmieliński; B. Wieliczko; M. Żekało; M. Maciejczak; P. Sulewski; A. Perkowski; A. Sieczka; O. Sakal; A. Dorosh; S. Ibatullin; R. Derkulskyi; R. Tytykalo; O. Melnyk; Y. Khan; G. Galanis; P. Chantzi; G. Kostaki; D. Kitsou; M. Giortsou; O. Chatzopoulos; V. Amiridis; S. Kartsios; M. Mermigkas; S. Papatheochari; G. Katoufas; P. Pirlot; G. Sacchettini; F. Piatto; E. Pajot; A. Altitsiadis; N. Sotiriou; K. Karaboiki; D. Voloudakis; M. Dermata; F. D. Frate; F. Bassini; I. Gitas; G. Zalidis; D. Stavrakoudis; N. Georgopoulos; A. Muller; K. De Luca; G. Giuliani; C. Planque; S. Chognard; S. Hoidn; D. Loginova; T. Chabosseau, and G. Lavranou.		
	024	ACCURACY ASSESSMENT OF GLOBAL AND REGIONAL LAND COVER MAPS: A CASE STUDY IN NORTHERN GREECE T. Katagis, A. Abdollahnejad, N. Georgopoulos, E. Gkounti, I. Gitas		
	117	ON THE IMPLEMENTATION OF LULUCF MONITORING PLATFORMS IN THE CONTEXT OF AFOLU SECTOR AND REGENERATIVE AGRICULTURE (RA) M. Gabriele, R. Brumana, N. Genzano		
	045	FOREST BIOMASS ESTIMATION IN RUGGED TERRAIN: SENTINEL-1 AND ICEYE SAR INSIGHTS K. Antoniadis, I. Gitas, N. Georgopoulos, D. Stavrakoudis		
18/3	11:30 - 13:00	Workshop (see separate agenda)	Chair: Christodoulos Mettas Chair support: Eleni Loulli	Room: ZEUS
		CEOPS: Mapping Public Sector Needs & Opportunities with Earth Observation in Cyprus		
13:00-14:00		LUNCH		
18/3	14:00 - 15:30	Workshop (see separate agenda)	Chair: Costantinos Panayiotou Chair support: Alexia Tsouni	Room: APHRODITE HALL
		Excelsior Workshop "Building synergies among researchers, decision makers and first responders: From flood risk assessment to operational flood risk reduction services"		
	84	HOLISTIC MULTICRITERIA FRAMEWORK TO ASSESS FLOOD RISK IN GARYLLIS RIVER BASIN, CYPRUS J. Kountouri, C. Panagiotou, A. Tsouni, S. Sigourou ,V. Pagana, C. Mettas, E. Evagorou, H. Kontoes, D. Hadjimitsis		
	93	MULTI-PARAMETER FLOOD RISK ASSESSMENT METHODOLOGY FOR FLASH FLOODS IN URBAN RIVER BASINS: CASE STUDY IN MANDRA, GREECE A. Tsouni, S. Sigourou, V. Pagana, P. Dimitriadis, T. Iliopoulou, G.F. Sargentis, R. Ioannidis, E. Chardavellas, D. Dimitrakopoulou, M. Alexopoulos, N. Mamasis, D. Koutsoyiannis, H. Kontoes		
18/3	14:00 - 15:30	Workshop (see separate agenda)	Chair: Kyriacos Themistocleous Chair support: Mahmoud Mardini	Room: ZEUS
		An Innovation Workshop for Young Researchers: Commercializing Cultural Heritage in Cyprus" Organized by ENGINEER Project		
18/3	14:00 - 15:30	Workshop in Advancing Climate Action, Environmental Sustainability, and Food Security through Synergies (LandShift)	Chair: Marinos Eliades Chair support: Fotini Kavazi	Room: ADONIS
	081	THE IMPACT OF SOIL QUALITY ON AGRICULTURAL LAND PRICES IN UKRAINE A. Dorosh, Y. Dorosh, S. Ibatullin, O. Dorosh, O. Sakal, R. Derkulskyi, R. Kharytonenko, D. Melnyk *presenting online*		
	125	MAPPING FOREST DISTURBANCES IN NATIONAL NATURE PARK "SKOLE BESKIDS" USING SATELLITE REMOTE SENSING METHODS O. Chaskovskyy, S. Havryliuk, O. Sinkevych, A. Nechepurenko, O. Pelyukh		
	054	BUILDING CLIMATE RESILIENCE IN MOUNTAIN REGIONS G. Xekalakis, M. Bügelmayer-Blaschek, C. Anastasiou, P. Molina Lopez, I. Gamallo-Paz, T. Tötzer, V. Pavone, E. Kazamia, P. Christou, D. Havlik		
	065	ASSESSMENT OF CLIMATE CHANGE IMPACTS ON CARPATHIAN MOUNTAINS FOREST VEGETATION THROUGH TIME-SERIES SATELLITE IMAGERY M. zoran, D. Savastrou, M. Tautan, D. Tenciu, A. Stanciu		
	023	NEAR-REAL TIME ACTIVE FIRE DETECTION WITH THE FOREST-CONSTELLATION A. Sarelli, G. Fotopoulos, M. Bereczky, K. Würl, J. Gottfriedsen		
	006	EMPLOYING SPATIAL QUERIES IN QGIS: IDENTIFICATION AND EVALUATION OF POTENTIAL SITES FOR FOREST NURSERIES INSTALLATION IN THE LIMASSOL REGION. D. Koumoulidis, I. Varvaris, D. Hadjimitsis		
	025	HARMONIA: INTRODUCING A DIGITAL URBAN PLANNING DECISION SUPPORT TOOL, TOWARDS MORE RESILIENT AND SAFER EUROPEAN CITIES C. Kontopoulos, E. Magkoufis, N. Tzortzi, MS. Lux		
	039	SPATIOTEMPORAL CHANGES OF BUCHAREST URBAN GREEN ANALYSIS THROUGH TIME-SERIES SATELLITE DATA D. Savastrou, M. Zoran		
18/3	14:00 - 15:30	Communications and Signal interference Abstract Session	Chair: Andres Anayiotos Chair support: Stelios Neophytides	Room: APOLLON
	003	CYPRUS' STRATEGIC ROLE IN EU GOVSATCOM: END-USER REQUIREMENTS AND INDUSTRIAL CAPABILITIES FOR SECURE SATELLITE COMMUNICATIONS C. Panayi, K. Katzis, D. Risquez, A. Gkountis, O. Pavlou, D. Vouyioukas, K. Maliatsos, K. Karantonis, M. Hadjitheodosiou		
	044	CONCURRENT OBSERVATION OF L-BAND SCINTILLATION AND ROTI OVER CYPRUS T. Biswas, H. Haralambous		
	046	ASSOCIATION BETWEEN TOP AND BOTTOMSIDE IONOSPHERIC IRREGULARITIES OVER MIDLATITUDE IONOSPHERE P. Krishnendu Sekhar, H. Haralambous		
	047	ASSESSMENT OF THE MIDLATITUDE SF DETECTION P. Krishnendu Sekhar, H. Haralambous		
	055	RARE OPPORTUNITY TO COMPARE TOPSIDE IN-SITU ELECTRON DENSITIES FROM SWARM SATELLITES WITH IONOSONDES H. Haralambous, S. Kousios, P. Krishnendu Sekha		

This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 857510.

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15:30-16:00		COFFEE BREAK - POSTER PRESENTATIONS		
18/3	16:00 - 17:30	Poster Presentations	Session Support: Christos Theocharidis, Georgia Charalambous	Room: APHRODITE HALL
		Poster Presentations ID: 7,14, 15, 16, 17, 27, 29, 30, 31, 32, 33, 35, 38, 41, 63, 78, 82, 83, 120, 126, 127, 98, 102, 103, 104, 106, 53, 134, 62, 94, 121, 128, 12, 13, 18, 20, 19, 60, 108,50, 119,107, 97.		
18/3	16:00 - 17:30	Closed Excelsior Meeting		Room: APOLLON
		External Advisory Board meeting of Excelsior H2020 Teaming project organized by CUT (***Day 1)***		
18/3	16:00 - 17:30	Workshop in Advancing Climate Action, Environmental Sustainability, and Food Security through Synergies (Nostradamus)	Chair: Ioannis Varvaris Chair support: Roland Richard Sier	Room: ADONIS
	071	NOSTRADAMUS: HARNESSING DATA CUBES AND MULTIPLE SOURCES OF DATA FOR SUSTAINABLE AGRICULTURE AND FOOD SECURITY I. Varvaris; D. Hadjimitsis; S. Michaelides; D. Koumoulidis; T. Polydorou; C. Mettas; C. Panagiotou; S. Neophytides; M. C. Stavrinides; J. Kountouri; S. Georgiou; M. Doukanari; C. Eisfelder; F. Bachofer; B. Mukanov; N A. Toshikj; D. Jancheski; B. Jevremovikj; J. Zorić; T. Bokan; L. Abraham; T. Kozic; D. Copot; N. Borchard, W. L. Tsai; I. Manikas, G. P. Kandel; V. Coițan; J. Poláková; P. Hamouz; A. Hruška; O. Marko; S. Brdar; D. Pavlović; P. Gonçalves; M. Sagona; S. Vaccari; H. Caumont; D. Jeric; L. Resman A. Miholič; V. Naydenova; V. Orsić; M. Khanom; G. Papadavid; T. Diamantopoulos; K. Panayiotou; E. Tsardoulias; A. Symeonidis; G. Giuliani; B. Chatenoux; T. Piller; A. Benvenuti; S. Hoidn; D. Loginova; T. Chabosseau; G. Lavranou; H. R. Nasser, and T. Anken		
	051	A HYBRID EDGE-TO-CLOUD ARCHITECTURE TOWARDS LOW-CODE DEVELOPMENT OF GLOBAL FOOD-SECURITY APPLICATIONS: THE NOSTRADAMUS CASE K. Panayiotou, E. Tsardoulias, A. Symeonidis, T. Diamantopoulos		
	089	AGRI-FOOD MODELLING: SOCIO-ECONOMIC DATA AND DATA-GAPS D. Loginova, S. Hoidn		
	040	INVESTIGATING THE IMPACT OF DROUGHT DYNAMICS ON VINE YIELD PRODUCTION IN CYPRUS E. Loulli, M. Eliades, I. Varvaris, M. Stavrinides, C. Papoutsa, M. Tzouvaras		
	074	CROP TYPE MAPPING BY OPTICAL AND RADAR REMOTE SENSING DATA B. Arastoo		
18/3	16:00 - 17:30	Communications and Signal interference Abstract Session	Chair: Nikos Christoforou Chair support: Giorgos Kotsias	Room: ZEUS
	056	COMPARISON BETWEEN AUTOMATICALLY AND MANUALLY SCALED IONOSPHERIC CHARACTERISTICS OVER CYPRUS H. Haralambous, S Athanasopoulou		
	080	IONOSPHERIC MONITORING USING LOW-COST GNSS RECEIVERS C. Oikonomou, H. Haralambous		
	096	AN APPROACH OF SDR SENSORS NETWORK DEVELOPMENT FOR COMMERCIAL DRONE DETECTION AND TRACKING M. Tsvetkov		
	132	ESTABLISHING A 9M S/X/KA BAND ANTENNA IN CYPRUS: A STRATEGIC LEAP IN EARTH OBSERVATION N. Christoforou, K. Themistocleous, G. Schreier, S. Alexandrou, C. Agrotis		
End of Day 2				
18/3	**20:00 - 24:00**	Social Dinner - Konia Tavern (Registration for participation at the front desk) https://maps.app.goo.gl/88DhLZeZRaU1Zse48		

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Wednesday 19 March 2025				
08:00-08:30		REGISTRATION		
19/3 8:30 - 9:00		**Keynote Speaker (Aphrodite Stage Hall)**		
		Mr Vincent Ambrosia - Adjunct Research Faculty, Department of Applied Environmental Science, School of Natural Sciences (SNS), California State University - Monterey Bay (CSUMB) ***"Reflections on 40-Plus Years of Supporting Earth Observation Science for Wildland Fire: Where We Have Been & Where We Are Going"***		
19/3 9:00 - 11:00		Workshop (see separate agenda)	Chair: Christiana Papoutsa Chair support: George Papadavid	Room APHRODITE HALL
	Workshop	Stakeholder Dialogue: Carbon Farming Practices in Agriculture Organized by CARBONICA Project		
19/3 9:00 - 11:00		Artificial Intelligence applications in Earth Observation and Geoinformatics Organized by ENFIELD Project	Chair: Michalis Mavrovouniotis Chair support: Charalambos Chrysostomou	Room: ADONIS
	005	EVALUATION OF PRE-PROCESSING METHODOLOGIES FOR NORMALIZED VEGETATION ANALYSIS DATA. Z. Huang, S. Neophytides, M. Mavrovouniotis, T. Kasparis, W. Wu		
	026	INNOVATIVE COASTAL MANAGEMENT: LEVERAGING AI AND SATELLITE IMAGERY FOR MONITORING URBAN AND PORT ENVIRONMENTS WITHIN THE OCEANIDS PROJECT E. Marinou, E. Magkoufis, P. Kolokoussis, C. Kontopoulos, V. Charalampopoulou		
	036	DEEP LEARNING-BASED GRASSLAND MAPPING WITH SENTINEL-2: PRIORITIZING KEY SPECTRAL BANDS AND TIME PERIODS K. Christofi, C.Chrysostomou, I. Tsardanidis, M. Mavrovouniotis, H. Kontoes, D.Hadjimitsis		
	052	A COMPARATIVE STUDY OF NDVI, SVM, AND NEAREST NEIGHBOR ALGORITHMS FOR EFFECTIVE LAND USE LAND COVER CLASSIFICATION S. Parupalli, A. Kodimela, Y. Chinnam, K. Venkata Ramana		
	058	AN EMPIRICAL COMPARISON OF MACHINE LEARNING ALGORITHMS FOR GROUNDWATER QUALITY CLASSIFICATION S. Neophytides, E. Neofytou, M. Eliades, C. Chrysostomou, M. Mavrovouniotis, D. Hadjimitsis		
	079	HYPERBOLA: AI-POWERED CLOUD MASKING FOR ON-BOARD HYPERSPECTRAL DATA PROCESSING M. Banti, G. Gousios, T. Mamouka, P. Vourlioti, C. Paraskevas, S. Kotsopoulos		
	091	A TOOLKIT FOR AMBULANCE DISPATCH AND ROUTING OPTIMIZATION USING AI AND GIS S. Mappouras, M. Gemenaris, S. Zambirinis, M. Mavrovouniotis, M. Anastasiadou, R. Constantinou, T. Theodosiou, A. Antoniades, E. Kyriacou		
19/3 9:00 - 11:00		Atmosphere Abstract Session	Chair: Argyro Nisantzi Chair support: Hossein Panahifar	Room: ZEUS
	009	ONE YEAR OF GROUND-BASED SOLAR IRRADIANCE MEASUREMENTS: DATA QUALITY ASSESSMENT AND INSIGHTS FROM LIMASSOL CYPRUS SITE. G. Charalampous, K. Fragkos, I. Fountoulakis, D. Hadjimitsis, S. Kazadzis		
	037	CLIMATE EFFECTS OF AEROSOLS IN THE BUCHAREST METROPOLITAN AREA M. zoran, D. Savastrou, M. Tautan, D. Tenciu, A. Stanciu		
	043	IMPROVING GNSS POSITIONING BY INGESTING REGIONAL CHARACTERISTICS INTO AN IONOSPHERIC MITIGATION ALGORITHM T. Biswas, V. Petrou, H. Haralambous		
	049	VALIDATION OF PRECIPITABLE WATER VAPOR (PWV) PRODUCTS USING CYMETEO GNSS NETWORK IN CYPRUS D. Giannadaki, C. Oikonomou, H. Haralambous, F. Tymvios, E. Loizou		
	085	A FUTURE CENTRE FOR CLIMATE AND WEATHER RESEARCH IN THE EASTERN MEDITERRANEAN: THE ATARRI PROJECT R. Mamoukri, A. Nisantzi, F. Scarlatti, E. Emili, A. Lopatin, L. Menard, R. Silva, S. Kazadzis		
	086	SEASONAL WIND ANALYSIS IN LIMASSOL, CYPRUS, USING THE GROUND-BASED DOPPLER LIDAR OF THE CARO NATIONAL FACILITY C. Chrysostomou, G. Kotsias, P. Seifert, A. Nisantzi, J. Bühl, D. Hadjimitsis, R. Mamouri		
	087	HETEAC-FLEX MODEL: COMPARATIVE EVALUATION OF 6 FORWARD MODEL CONFIGURATIONS FOR DUST CASES USING GROUND-BASED LIDAR OBSERVATIONS IN LIMASSOL A. Savva, A. Nisantzi, M. Poutli, A. Ansmann, D. Hadjimitsis, R. Mamouri		
	092	EARTHCARE SATELLITE MISSION: CALIBRATION AND VALIDATION ACTIVITIES IN THE CYPRUS REGION M. Poutli, A. Nisantzi, D. Hadjimitsis, A. Panahifar, R. Mamouri		
	131	COPERNICUS SERVICES APPLICATION IN PUBLIC HEALTHCARE MANAGEMENT V. Tsvetkova, M. Tsvetkov		
	110	Multi-instrument platforms for investigating the aerosol-cloud-dynamic interaction in Eastern Mediterranean H. Panahifar, M. Poutli, G. Kotsias, A. Nizantzi, D. Hadjimitsis, A. Ansmann, P. Seifert, R. Mamouri		
11:00-11:30		COFFEE BREAK - POSTER PRESENTATIONS		
19/3 11:30 - 12:45		Workshop (see separate agenda)	Chair: George Papadavid Chair support: Christiana Papoutsa	Room APHRODITE HALL
	Workshop	Stakeholder Dialogue: Carbon Farming Practices in Agriculture Organized by CARBONICA Project		
19/3 11:30 - 12:45		Artificial Intelligence applications in Earth Observation and Geoinformatics Organized by ENFIELD Project	Chair: Michalis Mavrovouniotis Chair support: Charalambos Chrysostomou	Room: ADONIS
	100	ON-BOARD CONVOLUTIONAL AUTOENCODER-BASED MULTISPECTRAL IMAGE COMPRESSION: BENCHMARKING ANALYSIS ON VPU AND FPGA G. Guerrisi, S. Sasidharan, D. Barretta, F. Del Frate		
	112	MACHINE LEARNING FOR IDENTIFYING DAMAGE PATTERNS ON CULTURAL HERITAGE – CASE STUDY THE TOMB OF THE KINGS IN PAPHOS, CYPRUS C. Dimitriou, K. Themistocleous, D. Abate, D. Hadjimitsis		
	124	FOREST SPECIES CLASSIFICATION USING HYPERSPECTRAL IMAGERY IN A MEDITERRANEAN FIR-DOMINATED ECOSYSTEM C. Atan		
	077	DESIGNING XR-BASED LEARNING SOLUTIONS FOR SURVEYING ENGINEERING: INSIGHTS FROM LITERATURE REVIEW AND USER REQUIREMENTS Patias, H. Georgiadis, P. G. Mallinis, A. Stamnas, V. Fragkoulidou, T. Roustanis, P. Bourdot, M. Sacco4		
	122	SPATIO-TEMPORAL DIFFUSION MODEL FOR SATELLITE IMAGERY P. Nagaraj Kashyap, A. Javanmardi, P. Jaiswal, A. Pagani, G. Reis		
19/3 11:30 - 12:45		Closed Excelsior Meeting		Room: ZEUS
		External Advisory Board meeting of Excelsior H2020 Teaming project organized by CUT ***(Day 2)***		
12:45 - 13:45		**APHRODITE HALL - Closing Ceremony** **Conference Results and Awards**		

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13:45 - 17:30	Light lunch (souvlaki) at Kato Paphos and sightseeing visit at Paphos Mosaics, Archaeological Park of Kato Paphos, Paphos Castle and Limanaki walk (registration at the front desk, available bus at Aliathon hotel)
End of Day 3	

POSTER PRESENTATIONS

	ID	Title
POSTER PRESENTATIONS	7	APPLICATION OF SENTINEL-2 SATELLITE DATA FOR MONITORING SNOW COVER IN TERRITORY OF RILA MOUNTAIN, BULGARIA A Stoyanov, T. Spasova, A. Dancheva, N. Stankova
	12	THE STUDY OF THE IMPACT OF GEOLOGICAL, PETROGRAPHICAL, ENVIRONMENTAL CONDITIONS, AND DETERIORATION FACTORS ON THE ARCHAEOLOGICAL SITE OF THE TOMBS OF THE KINGS IN PAPHOS, SW CYPRUS Z. Pantazopoulou, G. Papadavid
	13	THE ROLE OF AGRICULTURAL ADVISORY SERVICES IN FACILITATING THE ADOPTION OF NEW TECHNOLOGIES BY YOUNG FARMERS IN THE MUNICIPALITY OF SERRES G. Kountios, S. Kanakaris, G. Papadavid
	14	ASSESSMENT OF ELECTROMAGNETIC RADIATION IN THE URBAN ENVIRONMENT A. Bouzekova-Penkova, D. Teodosiev , Y. Matviichuk , A. Miteva, T. Spasova
	15	SPECTRAL MAPPING OF AN UNREGULATED DUMP AROUND SOFIA MUNICIPALITY A. Dancheva, T. Spasova, I. Ivanova
	16	ECOLOGICAL ASSESSMENT OF SHABLA TUZLA LAKE USING SATELLITE METHODS FOR THE PERIOD 2017–2024 I. Ivanova, A. Dancheva, T. Spasova, N. Stankova, M. Zaharinova
	17	MONITORIG OF SOLAR PARK "GORNA MAHALA" BY REMOTE SENSING AND GIS A. Dancheva, T. Spasova, I. Ivanova , I. Popov, N. Stankova
	18	MONITORING APPLE SCAB EPIDEMIOLOGY IN A CHANGING CLIMATE: INTEGRATING PRECISION TOOLS AND ADAPTIVE MANAGEMENT STRATEGIES M. Chatzidimopoulos, G. Kountios, K. Mpampatzanis, G. Papadavid
	19	APPLICATION OF THE DINSAR METHOD FOR DETERMINING COSEISMIC DISPLACEMENT AFTER THE EARTHQUAKE ON JANUARY 7, 2025, IN THE SOUTH TIBET REGION P. Angelova-Koevska, M. Atanasova-Zlatareva
	20	THE ROLE OF WHOLESALE AND RETAIL MARKETS IN THE SUPPLY CHAIN FOR FRESH FRUITS AND VEGETABLES IN GREECE A. Batzios, M. Tsiouni , G. Kountios, G. Papadavid
	27	METHODOLOGY FOR JELLYFISH RESEARCH IN THE BLACK SEA USING UAV T. Kaludova, K. Stefanova, V. Slabakova, V. Panayotov
	29	ASSESSMENT OF POST-FIRE DISTURBANCES BASED ON REMOTELY SENSED METHODS AND DATA N. Stankova, D. Avetisyan, T. Spasova, I. Ivanova, A. Dancheva, A. Stoyanov
	30	ASSESSMENT OF SNOW AND AVALANCHES IN LONGYEARBYEN, ARCTIC T. Spasova, D. Avetisyan, A. Dancheva, P. Angelova-Koevska
	31	USING SATELLITE DATA TO MONITOR YIELDS OF BARLEY GROWN UNDER ORGANIC FARMING CONDITIONS M. Chanev, I. Kamenova, T. Spasova, L. Filchev
	32	AN ENTROPY-BASED ATTENTION NETWORK FOR ROBUST MULTI-MODAL REMOTE SENSING APPLICATIONS A. Tairy, S. Rotman, D. Blumberg, S. Maman
	33	GEOSPATIAL TECHNOLOGIES FOR MONITORING CARNIVORE ACTIVITY AT CAMPSITES: INTEGRATING REMOTE SENSING AND GIS FOR HUMAN-WILDLIFE COEXISTENCE N. Ronen, A. Alon, O. Hadar, E. Galilee, H. Yahel, Z. Sigal, Y. Zukerman, O. Berger-Tal, S. Maman
	35	THE IMPACT OF AIR POLLUTION ON THE SPATIAL DISTRIBUTION OF COVID-19 ACROSS BULGARIA: A STUDY USING SATELLITE AND IN SITU DATA L. Filchev , M. Dimitrova, P. Trenchev, G. Jelev, M. Chanev
	38	VEGETATION INDICES GENERATED BY SATELLITE PLATFORMS USED IN ARCHAEOLOGICAL RESEARCH G. Petrov, M. Chanev, L. Filchev
	41	REMOTE SENSING AND GIS AS NON-DESTRUCTIVE METHODS IN ARCHAEOLOGY M. Chanev, G. Petrov, P. Ciocani, P. Popov, K. Aleksandrov, L. Filchev
	50	APPLYING REMOTE SENSING TO AUTOMATICALLY DETECT AND MONITOR XYLELLA FASTIDIOSA IN OLIVE ORCHARDS. T. Stylianou, M. Hadjichristodoulou, F. Charalampous, V. Dubovik, E. Loulli, F. Rovira-Más, L. Kanetis, M. Stavrinides, D. Hadjimitsis, C. Papoutsa
	53	APPLICATION OF THE GAEZ METHODOLOGY FOR ASSESSMENT OF AGRO-ECOLOGICAL PRACTICES IN NORTH AFRICA C. Kalaitzidis, D. Ouerfelli
	60	EVALUATING CARBON FARMING PRACTICES FOR SUSTAINABLE SOIL MANAGEMENT IN CITRUS CULTIVATION E. Nikolaou, F. Charalambous, M. Christoforou, S. Dimitriadi, S. Efsthathiou, M. Eliades, D. Hadjimitsis, E. Neofytou, G. Papadavid, M. Stavrinides, M.Tzouvaras, I. Varvaris, C. Papoutsa
	62	INTEGRATING CARBON FARMING PRACTICES IN POTATO CROPPING SYSTEMS: A PATHWAY TO SUSTAINABLE AGRICULTURE S. Dimitriadi, F. Charalambous, M. Christoforou, S. Efstathiou, M. Eliades, D. Hadjimitsis, E. Neofytou, E. Nikolaou, G. Papadavid, M. Stavrinides, M. Tzouvaras, I. Varvaris, C. Papoutsa
	63	ASSESSING MEDITERRANEAN FRUIT FLY INFESTATION RISK WITH SATELLITE AND GROUND-BASED MONITORING Marianna Hadjichristodoulou, Volha Dubovik, Thrasos Stylianou, Eleni Loulli, Francisco Rovira-Más, Loukas Kanetis, Menelaos Stavrinides, Christiana Papoutsa, Diofantos Hadjimitsis
	78	IDENTIFY THE DROUGHT IN CYPRUS BY USING HYDROLOGICAL, HYDRAULIC AND SATELLITE DATA S. Georgiou, C. Panagiotou, D. Hadjimitsis
	82	A GIS-BASED MULTI-CRITERIA DECISION ANALYSIS FRAMEWORK FOR LANDSLIDE RISK ASSESSMENT: A CASE STUDY IN AMATHOUNTA, LIMASSOL, CYPRUS. M. Doukanari, K. Fotiou, M. Tzouvaras, N. Stylianou, C. Mettas, D. Hadjimitsis
	83	PROACTIVE DISASTER NOTIFICATION: UTILIZING SMART HOME NETWORKS FOR EMERGENCY RESPONSE J. Kountouri, M. Tzouvaras, C. Panagiotou, M. Prodromou, E. Evagorou, C. Mettas, C. Panagiotou, A. Chrysaphis, D. Hadjimitsis
	94	THE CO2-SOLUTIONS LIVING LAB: ADVANCING CARBON FARMING AND NATURE-BASED SOLUTIONS FOR CLIMATE RESILIENCE G. Kostaki, P. Chantzi, M. Giortsou, D. Kitsou, K. Karyotis, G. Galanis, E. Sarigiannidou
	97	MACHINE LEARNING-BASED LAND USE CLASSIFICATION WITH MULTITEMPORAL SENTINEL-2 IMAGERY P. Chantzi, G Varras, K. Karyotis, D. Kitsou, G. Kostaki, M. Giortsou, G. Galanis, G. Zalidis
	98	GRADA: AN INTEGRATED SYSTEM TO ENSURE QUALITY IN TABLE GRAPES M. Kotaidou, A. Blekos, K. Chatzis, T. Chatzis, D. Konstantinidis, A. Tsoureki, G. Tsiolas, I. Kalfas, A. Argiriou, K. Dimitropoulos
	102	USING SAR DATA FUSION FOR NEAR REAL-TIME APPLICATIONS TO IMPROVE MARITIME SITUATIONAL AWARENESS IN THE EASTERN MEDITERRANEAN E. Kalogirou, D. Makri, C. Mettas, D. Hadjimitsis

This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 857510.

This project has received funding from the Government of the Republic of Cyprus through the Directorate General for the European Programmes, Coordination and Development as well as the Cyprus University of Technology.

	103	**BRIDGING THE SKILLS GAP IN REMOTE SENSING AND GIS: INSIGHTS FROM THE RESENSE PROJECT** M. Prodromou, G. Georgiou, I. Gitas, F. Georgiou, E. Gkounti, M. Kyprianou, N. Georgopoulos, D. Hadjimitsis
	104	**LEVERAGING MACHINE LEARNING FOR WILDFIRE RISK ASSESSMENT USING MULTIMODAL GEOSPATIAL AND CLIMATE DATA IN CYPRUS** M. Prodromou, S. Girtsou, P. Vasiliou, G. Leventis, A. Apostolakis, M. Tzouvaras, C. Mettas, G. Giannopoulos, H. Kontoes, D. Hadjimitsis
	106	**MONITORING PINE PROCESSIONARY MOTH (THAUMETOPOEA PITYOCAMPA) DEFOLIATION IN PAPHOS FOREST, CYPRUS USING SENTINEL-2 AND GOOGLE EARTH ENGINE** C. Theocharidis, S. Zampirinis, M. Eliades, H. Kontoes, I. Gitas, D. Hadjimitsis
	107	**SEDIMENTS DYNAMICS AND TRACEABILITY TOOLS OF GREEK STEVIA IN THE SPERCHIOS RIVER BASIN** P. Chantzi, S. Doani, K. Almpanakis
	108	**WILDFIRE EVENT DETECTION USING SOCIAL MEDIA AND EARTH OBSERVATION DATA** E. Valla, M. Kaskara, A. Moumtzidou, I. Gialampoukidis, S. Vrochidis, H. Kontoes, I. Kompatsiaris
	119	**MAINSTREAMING CARBON FARMING PRACTICES IN CYPRUS OLIVICULTURE: THE CARBONICA PROJECT** F. Charalambous, M. Christoforou, S. Dimitriadi, S. Efstathiou, M. Eliades, D. Hadjimitsis, E.Neofytou, E. Nicolaou, G. Papadavid, M. Stavrinides, M. Tzouvaras, I. Varvaris, C.Papoutsa
	120	**ENVIRONMENTAL MONITORING AND RISK ASSESSMENT FOR SUSTAINABLE RC BRIDGE MANAGEMENT** E. Tantele, R. Votsis, N. Kyriakides, C. Filippou
	121	**ARTIFICIAL INTELLIGENCE AND EARTH OBSERVATION TOWARDS DISASTER RISK REDUCTION: THE AI-OBSERVER'S RESEARCH EXPLORATORY PROJECT** M. Tzouvaras, R. Votsis, K. Fotiou, M. Prodromou, C. Panagiotou, E. Kalogirou, D. Christofi, G. Reis, F. Del Frate, H. Zacharatos, D. Hadjimitsis
	126	**DETECTION COSEISMIC DISPLACEMENT THE REGION CYCLADES** M. Atanasova-Zlatareva, P. Angelova
	127	**PREDICTING YIELDS OF ORGANIC EINKORN BY UTILIZING OPTICAL AND SAR REMOTE SENSING DATA FROM COPERNICUS SENTINEL 2 AND SENTINEL 1 SATELLITES** M. Chanev, Z. Dimitrov, T. Spasova
	128	**INSECT BIODIVERSITY ACROSS DIFFERENT VEGETATION TYPES OF THE AKAMAS PENINSULA, CYPRUS** E. Stavrinou, M. Aristophanous, M. Christou, A. Mandoulaki, A. Neoptolemou, A. Papatheodoulou, E. Tzirkalli, A. Varnava, I. Vogiatzakis, M. Stavrinides
	134	**A QUASI-SYNCHRONOUS APPROACH FOR MONITORING RENEWABLE ENERGY SOURCES IN EASTERN BULGARIA** T. Spasova, A. Dancheva, I. Ivanova

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Eleventh International Conference on Remote Sensing and Geoinformation of Environment

17-19 March, 2025 - Paphos, Cyprus

Parallel Session - Excelsior Workshop

"Building synergies among researchers, decision makers and first responders:

From flood risk assessment to operational flood risk reduction services"

Tuesday 18 March 2025, Aphrodite room, 14:00-15:30

Chairs: Dr. Constantinos Panagiotou, Alexia Tsouni

TIME	THEME	FULL NAME	AFFILIATION
14:00-14:05	Welcoming and introduction to the Excelsior project	Prof. Diofantos Hadjimitsis	ERATOSTHENES Center of Excellence
14:05-14:10	Introduction to the session: Flood challenges, Excelsior flood demo, agenda	Dr. Constantinos Panagiotou	ERATOSTHENES Center of Excellence
14:10-14:15	Greeting by Mayor of Polemidion, Cyprus	Andreas Theodorou	Municipality of Polemidia
14:15-14:20	Greeting by the Vice-Governor of the Attica Region	Eleftherios Kosmopoulos	Region of Attica
14:20-14:30	Flood risk assessment in Mandra river basin, Greece, and in Garyllis river basin, Cyprus	Alexia Tsouni & Josefina Kountouri	Operational Unit BEYOND Centre of IAASARS/NOA & ERATOSTHENES Center of Excellence
14:30-14:40	Near-real-time flood monitoring and early warning system in Mandra river basin, Greece	Alexia Tsouni	Operational Unit BEYOND Centre of IAASARS/NOA
14:40-14:50	Flood data crowdsourcing for Mandra's early warning system and contribution to the civil protection	Ioannis Koulaxenos	Elite Special Missions Team of Vilia Community
14:50-15:00	Response to Flood Incidents in Cyprus, Mandra, Thessalia, and Europe: Parameters for the Use of Early Warning Systems in Rescue and Recovery Operations	Marios Stavrou	Head of Operations, SupportCY Volunteers Corps
15:00-15:10	Needs and priorities for flood risk reduction in Cyprus	Kostas Aristeidou & Dr. Panayiotis Sofronides	Water Development Department, Cyprus
15:10-15:30	Discussion		

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CEOPS: Mapping Public Sector Needs & Opportunities with Earth Observation in Cyprus

Tuesday, 18 March 2025, 09:00-14:00

Aliathon Resort, Paphos, Cyprus
https://maps.app.goo.gl/GTkDEtMM28bReSHV6
Registrations: https://forms.gle/e62gfChqtGMocRLS7

Agenda		
09:00 – 09:05	Welcome note (Prof. Diofantos Hadjimitsis/ ERATOSTHENES CoE)	APHRODITE HALL
09:05 – 09:25	Introduction to Earth Observation capabilities and presentation of CEOPS ESA PECS project (Dr Christodoulos Mettas/ERATOSTHENES CoE)	
09:25 – 09:45 In synergy with CAMS	Introduction to the Copernicus Atmosphere Monitoring Service (R. Engelen /ECMWF)	
09:45 –10:30	Focus Group: Security (confidential)	ZEUS ROOM
10:30 – 11:00	Focus Group: Marine	
11:00 – 11:30	Coffee break	
11:30 – 12:00	Focus Group: Land	ZEUS ROOM
12:00 – 12:30	Focus Group: Emergency	
12:30 – 13:00 In synergy with CAMS	Focus Group: Atmosphere & Climate Change	
13:00 – 14:00	Lunch break	

Contact person:
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E-Mail: ceopscyprus@gmail.com

Social Media:

CEOPS project is funded under the **European Space Agency** (ESA) tender "Earth Observation capabilities and service needs in Cyprus (CY_AD03)" with contract no. **4000146291/24/NL/MH/fx.**

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CAMS USER WORKSHOP
Cyprus and Malta

18th March 2025
RSCY 2025 conference, Paphos, Cyprus
(Home - RSCy2025)
Hybrid event – Aphrodite Hall

Agenda

Chair / co-chair: (Dr Silas Michaelides and Maria N. Anastasiadou)

09:00 – 09:05	**Welcome** note from Prof. Diofantos Hadjimitsis, Director ERATOSTHENES Center of Excellence
09.05 – 09:25	Introduction to EO capabilities and presentation of CEOPS ESAPECS Project (Dr Christodoulos Mettas/ERATOSTHENES CoE)
	1: Overview of the Copernicus Atmosphere Monitoring Service CAMS
09:25 – 09:45	Introduction to the Copernicus Atmosphere Monitoring Service (R. Engelen / ECMWF)
09:45 – 10:00	The National Collaboration Programme (NCP) (C. Ananasso and J. Kushta / ECMWF)
10:00 – 10:10	Interviews with users from Malta and Cyprus (T. Popp / DLR)
	2: Use of CAMS data
	Example show cases, needs in Cyprus and Malta, other EU countries
10:10 – 10:20	Potential use of CAMS products for Malta's air quality reporting (R.Burg/ERA)
10:20 – 10:30	Potential Use of CAMS Products – GHG Emissions (M. Busuttil/climateaction)
10:30 – 10:40	Harnessing CAMS for Climate Adaptation: Digital Twins & AI-Driven Resilience (F. Borg/ RIU)
10:40 – 10:50	UVI Forecast (Mrs Georgia Charalambous/ERATOSTHENES CoE)
10:50 – 11.00	Dust forecasting for Public and Aviation Meteorology (A. Hadjigeorgiou/DOM)
11:00 – 11:30	Coffee break
	3. Interactive part and discussion
11:30 – 12:00	Key CAMS needs in Malta (Top priorities & gaps identified by users) Key CAMS needs in Cyprus (Top priorities & gaps identified by users) Actionable improvements for CAMS services based on national feedback
12:00 – 12:30	Conclusions of the workshop (M. Anastasiadou, T. Sergio, T. Popp)
12:30 – 13:00	Focus Group: Atmosphere & Climate Change (In synergy with CEOPS)
13:00	End of the workshop

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"Earth Observation Applications and Services in the Eastern Mediterranean, Middle East, and North Africa (EMMENA): Earth Observation Business Opportunities"
Special Workshop
during
the Eleventh International Conference on Remote Sensing and Geoinformation of Environment (RSCy2025)

Date:	**Monday March 17th**
Time:	**02:30 – 5:30 p.m.**
Address:	**Aliathon Holiday Village, Paphos - Cyprus**

AGENDA	
14:00 – 14:30	**Registration**
	Workshop moderated by Andreas Anayiotos and Gunter Schreier
14:30 – 14:40	**Introduction & Overview** ▪ *by Gunter Schreier, Consultant to ECoE, DLR-ret.*
14:40– 14:50	**Cyprus Space Policy** ▪ *By Chariclia Italou, DEC*
14:50 – 15:05	**The Eratosthenes Centre of Excellence Strategy and Roadmap for EO Technology applications in Cyprus and the EMMENA Region** ▪ *Prof. Andreas Anayiotos, ECoE & CUT*
15:05– 15:20	**The use of PreciRRi technology for optimum Irrigation practices at the Phasourri Plantation** ▪ *Chara Christodoulou, Agricutural Science Section Phasourri Plantations, Limassol Cyprus & of Dr. Marinos Eliades (ECoE)*
15:20 – 15:35	**iEO and Geoinformatic technology applications improve decision making in irrigation water management in Cyprus** ▪ *Dr. George Papadavid Agricultural Research Institute. Ministry of Agriculture.Cyprus*
15:30 – 16:00	**Coffee Break**

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AGENDA	
16:00 – 16:15	**GEO-CRADLE capacity building and support of feasibility studies for demonstrating the value of EO, leveraging the GEO and EuroGEO innovation** ▪ *Alexia Tsouni (NOA) and Constantinos Panayiotou- ECoE*
16:15 – 16:30	**Establishing a 9m S/X/Ka Band Antenna in Cyprus: A Strategic Leap in Earth Observation** ▪ *Nikos Christoforou, ECoE & Cyta*
16:30 – 16:45	**The EarthDaily Constellation- A Global Daily Scientific Monitoring Mission for the Environment** ▪ *Nicos Spyropoulos, EarthDaily*
16:55 – 17:00	**Virtual Satellite Constellations & Real-Time Regions: An Earth Observation architecture for a new world** • Zdravko Dimitrov, Sfera Technologies Ltd., Sofia, Bulgaria
17:00 – 17.30	**Open Open Discussion with Dr. Peter Zeil, Dr. Younes Abouyoub, Mr Vincent Ambrosia and Daniel Barok in Attendance** ▪ *Q+A Session; moderated by Gunter Schreier*

This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 857510.

This project has received funding from the Government of the Republic of Cyprus through the Directorate General for the European Programmes, Coordination and Development as well as the Cyprus University of Technology.

Workshop in Artificial Intelligence Application In Earth Observation and Geoinformatics

Agenda

Date & Time: 19th of March 2025

Place: Aliathon Holiday Village, Paphos - Cyprus

Time (CY)	Abstract ID	Title	Speaker
09:00 – 09:05	Welcome note		
09:05 – 09:20	5	Evaluation of Pre-processing Methodologies for Normalized Vegetation Analysis Data	Ziheng Huang
09:20 – 09:35	26	Innovative Coastal Management: Leveraging AI and Satellite Imagery for Monitoring Urban and Port Environments within the OCEANIDS Project	Eirini Marinou
09:35 – 09:50	26	Deep Learning-Based Grassland Mapping with Sentinel-2: Prioritizing Key Spectral Bands and Time Periods	Konstantinos Christofi
09:50 – 10:05	52	A Comparative Study of NDVI, SVM, and Nearest Neighbor Algorithms for Effective Land Use Land Cover Classification	Sridhar Parupalli
10:05 – 10:20	58	An Empirical Comparison of Machine Learning Algorithms for Groundwater Quality Classification	Stelios P. Neophytides

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10:20-10:35	79	HYPERBOLA: AI-Powered Cloud Masking for On-Board Hyperspectral Data Processing	Maria Banti
10:35 – 10:50	91	A Toolkit for Ambulance Dispatch and Routing Optimization using AI and GIS	Stelios Mappouras
Coffee Break			
11:30 – 11:45	100	On-board Convolutional AutoEncoder-based multispectral image compression: benchmarking analysis on VPU and FPGA	Giorgia Guerrisi
11:45 – 12:00	112	Machine Learning for identifying damage patterns on cultural heritage – case study the Tomb of the Kings in Paphos, Cyprus	Christodoulos Dimitriou
12:00 – 12:15	124	Forest Species Classification Using Hyperspectral Imagery in a Mediterranean Fir-Dominated Ecosystem	Cemre Sude Atan
12:15-12:30	77	Designing XR-based learning solutions for Surveying Engineering: Insights from literature review and user requirements	Georgios Mallinis
12:30-12:45	122	Spatio-Temporal Diffusion Model for Satellite Imagery	Alireza Javanmardi

This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 101120657.

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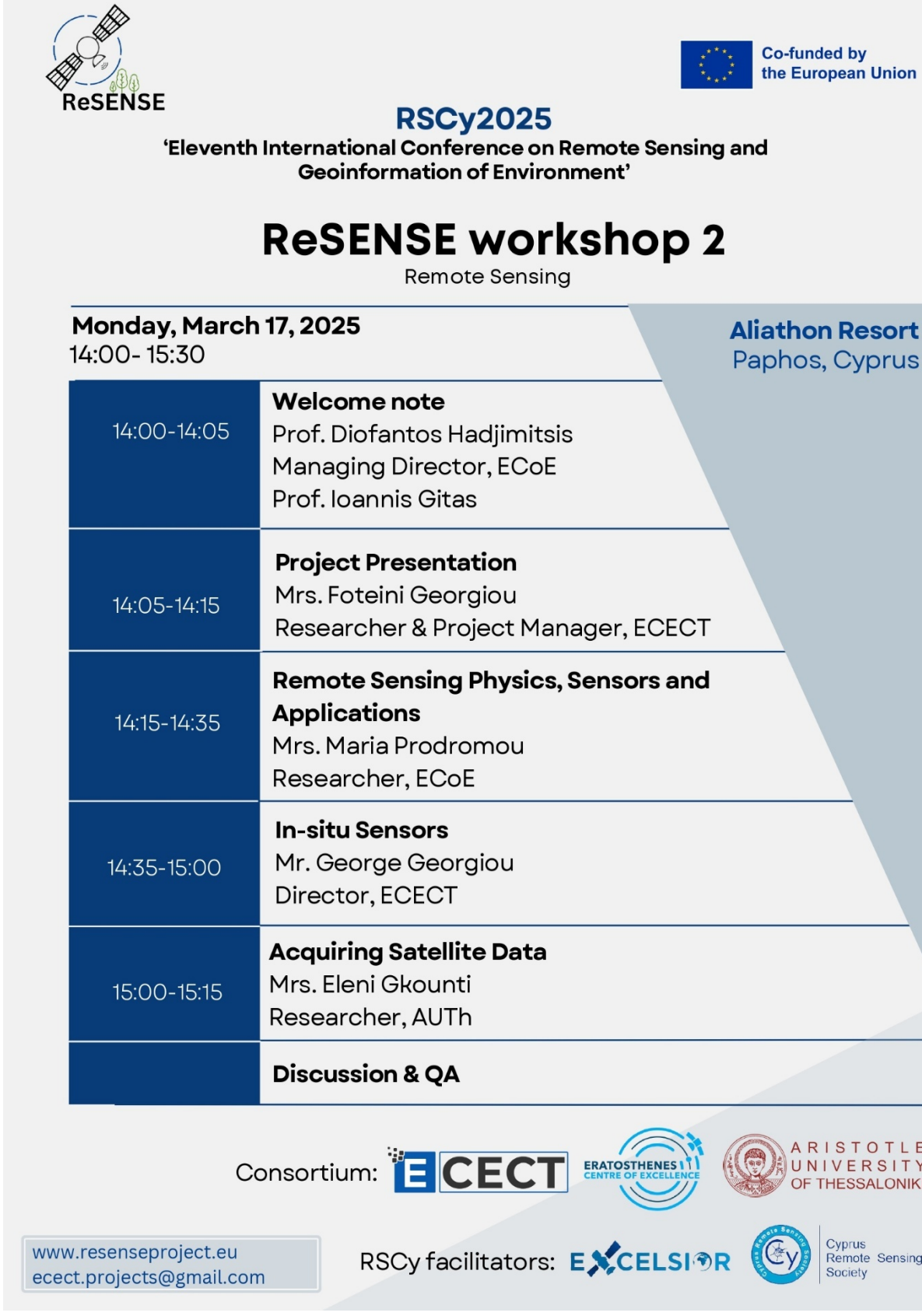
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ReSENSE

Co-funded by the European Union

ReSENSE project

Remote sensing technologies training

2023-1-CY01-KA210-VET-000156067

Description:

ReSENSE - Remote sensing technologies training is a project co-funded by the ***European Union***, which aims to inspire ***professionals*** as well as ***graduates*** to embrace ***emerging technologies and competencies*** in the field of ***remote sensing***, which are essential in today's industry in Cyprus, Greece and the EU. By offering ***vocational training*** in remote sensing technologies, the project provides individuals with the opportunity to acquire ***new skills*** and ***knowledge***, helping businesses enhance efficiency, reduce costs, while addressing environmental issues.

Project Objectives:

- Identify emerging competencies and technologies needed by the industry through desk research and stakeholder surveys.
- Develop educational material and a toolkit tailored to industry needs regarding remote sensing, geographical information systems, earth observation, Internet of Things, etc.
- Establish an online classroom for self-study and virtual attendance (www.class365.eu)
- Organize training activities and workshops for targeted groups.

Modules:

- Cartography
- Remote Sensing
- Image Processing
- Copernicus Services
- Geographic Information Systems

Consortium:

Co-ordinator

ECECT- European Centre for Emerging Competencies and Technologies (Cyprus)

Partners:

ECoE - Eratosthenes Centre of Excellence (Cyprus)

AUTh - Aristotle University of Thessaloniki (Greece)

www.resenseproject.eu
ecect.projects@gmail.com

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Appendix E: Agenda for RSCy2026

12th International Conference on Remote Sensing and Geoinformation of Environment Conference
27-29 April 2026
Aliathon Holiday Village, Paphos, Cyprus
https://rscy2026.com/

Day Time	Monday 27/04/2026	Day Time	Tuesday 28/04/2026	Day Time	Wednesday 29/04/2025
08:30 – 09:00	Registration	08:30 – 08:45	Registration	08:30 – 08:45	Registration
09:00 – 10:00	**Opening and Welcomes – Aphrodite HALL** **Prof. Diofantos Hadjimitsis**, Managing Director of ECoE & CUT **H.E. Dr. Nicodemos Damianou**, Deputy Minister of Research, Innovation and Digital Policy **H.E. Dr. Dirk Roland Haupt**, Minister Counselor and Deputy Chief of Mission, Embassy of Germany, Nicosia **H.E. Mr. Arkadiusz Kłębok**, Deputy Head of Mission, Embassy of Poland **H.E. Mr. Martin Hagström**, Ambassador of Sweden **H.E. Mr. Konstantinos Kollias**, Ambassador of Greece **H.E. Dr. Krisztina Lakos**, Ambassador of Hungary **H.E. Mr. Mohamed Zaazou**, Ambassador of Egypt **H.E. Mrs Antonella Cavalari, Ambassador of Italy** **Dr. Kyriakos Themistocleous**, ECoE & Cyprus Remote Sensing Society **H.E. Mr. Subhash Jangala**, First Secretary (Economic Affairs), High Commission of India, Guest Talk: India in Space - Two decades of exploration	08:45 – 09:15	**Keynote Speakers - APHRODITE HALL** **Prof. Rosa Lasaponara**, CNR-IMAA, University of Basilicata **Mr. Marcello Maranesi**, founder GMATICS	08:45 – 09:30	**Keynote Speakers - APHRODITE HALL** **Dr. Vincent G. Ambrosia**, Department of Applied Environmental Sciences, College of Science, California State University - Monterey Bay **Mr. Daniel Barok**, Senior Space Consultant **Dr. Peter Zeil**, Senior consultant & Co-founder Spatial Services Ltd
10:00 – 11:00	**Keynote Speakers – Aphrodite HALL** **Dr. Eleni Paliouras**, Directorate of Earth Observation Programmes, Head of the Strategy, Programme & Coordination Office (EOP-C), ESA **Mrs. Barbara Ryan**, Earth Observation Advocate **Dr. Naktarios Chrysoulakis**, Director of Research at the Foundation of Research and Technology Hellas (FORTH) - Chair of ERATOSTHENES Board of Directors **Dr. Haris Kontoes**, Research Director of National Observatory of Athens (NOA)	09:15 – 11:00	**Parallel Sessions** **ADONIS ROOM**: Final Workshop of the SMARTPLAIGO Project: Presentation of Results, Pilot Actions, and Next Steps **APHRODITE HALL**: Advancing Disaster Risk Reduction through Earth Observation and Geospatial Technologies (UN-SPIDER & ECoE Workshop) – Closed Session **POSEIDON ROOM**: 5th CARBONICA Brain Gain Conference: From Diaspora Insights to Local Action: Advancing Carbon Farming for Resilient Agriculture in Cyprus **APOLLON ROOM**: The Earth Observation Data Ground Station in Cyprus Workshop: Strengthening Cyprus's Role in European Earth Observation Operations	9:30 – 11:00	**Parallel Sessions** **ADONIS ROOM**: Culture Heritage **APHRODITE HALL**: Poster Presentations **POSEIDON ROOM**: CAMS NCP Cyprus Workshop: Air Quality Data and Digital Platforms for Operational Use **APOLLON ROOM**: Space and Trustworthy AI workshop (ENFIELD) – Closed Session
11:00 – 11:30	**Coffee Break - Poster presentations**	11:00 – 11:30	**Coffee Break - Poster presentations**	11:00 – 11:30	**Coffee Break - Poster presentations**
11:30 – 13:15	**Keynote Speakers + Panel Discussion – Aphrodite HALL** **Mrs. Usue Donezar**, project lead at the Copernicus Land Monitoring Service (CLMS) at the European Environment Agency **Dr. Michael Falkowski**, Earth Fire Alliance **Prof. Lena Halounova**, Department of Geomatics, Czech Technical University of Prague **Dr. Dirk Roland Haupt**, Minister Counselor and Deputy Chief of Mission, Embassy of Germany, Nicosia **Mr. Lóránt Czárán**, Chief, Space Applications Section, UNOOSA **Panel discussion: Earth Observation Challenges and Opportunities under the Cyprus Presidency of the EU Council**	11:30 – 13:00	**Parallel Sessions** **ADONIS ROOM**: Final Workshop of the SMARTPLAIGO Project: Presentation of Results, Pilot Actions, and Next Steps **APHRODITE HALL**: Addressing Coastal Erosion and Flooding of Beaches with Tourist and Ecological Importance Using Environmentally Friendly Methods in Light of Climate Change (ECO-BEACHTECH Workshop) – Closed Session **POSEIDON ROOM**: Integrated Plant Health, Pest Management and Preparedness for Food Security **APOLLON ROOM**: Space and Trustworthy AI workshop (ENFIELD) – Closed Session	11:30 – 13:00	**Parallel Sessions** **ADONIS ROOM**: Culture Heritage **APHRODITE HALL**: Ionosphere, Cosmic Rays and GNSS **POSEIDON ROOM**: CAMS NCP Cyprus Workshop: Air Quality Data and Digital Platforms for Operational Use **APOLLON ROOM**: Space and Trustworthy AI workshop (ENFIELD) – Closed Session
13:15 – 14:00	Lunch	13:00 – 14:00	Lunch	13:00 – 14:00	APHRODITE HALL - Closing Ceremony Conference results and awards
14:00 – 15:30	**Parallel Sessions** **ADONIS ROOM**: Climate & Atmosphere **APHRODITE HALL**: Annual Excelsior H2020 Workshop **POSEIDON ROOM**: AI, ML & Earth Observation **APOLLON ROOM**: Coastal, Marine & Water Systems	14:00 – 15:30	**Parallel Sessions** **ADONIS ROOM**: Epidemics / Health & Urban, GIS & Built Environment **APHRODITE HALL**: Industry Session Workshop: Earth Observation and Space Applications **POSEIDON ROOM**: Living Labs Cultivating Soil and Water Resilience through Innovation for Sustainable Agriculture **APOLLON ROOM**: Space and Trustworthy AI workshop (ENFIELD) – Closed Session	14:00 – 15:00	Excelsior H2020 Teaming Project Consortium + Board of Directors + Advisory Board (Closed) POSEIDON ROOM
15:30 – 16:00	**Coffee Break - Poster presentations**	15:30 – 16:00	**Coffee Break - Poster presentations**	14:00 – 18:00	**Lunch & Excursion**
16:00 – 17:30	**Parallel Sessions** **ADONIS ROOM**: Forestry, Fires & Ecosystems **APHRODITE HALL**: Annual Excelsior H2020 Workshop **POSEIDON ROOM**: AI, ML & Earth Observation **APOLLON ROOM**: Hydrology, Floods & Water Resources & Agriculture & Land	16:00 – 17:30	**Parallel Sessions** **ADONIS ROOM**: Urban, GIS & Built Environment (3D-TWINMAP Workshop) **APHRODITE HALL**: Space BIC Workshop: Advancing Space Entrepreneurship under Cyprus EU Presidency **POSEIDON ROOM**: Connecting Atmosphere, Land Use and Solar Dynamics for Climate-Resilient Landscapes **APOLLON ROOM**: Space and Trustworthy AI workshop (ENFIELD) – Closed Session		**In cooperation and with the support of:**
17:30 – 18:30	Excelsior H2020 Teaming Project Consortium + Board of Directors + Advisory Board (Closed) POSEIDON ROOM	17:30 – 18:30	Excelsior H2020 Teaming Project Consortium + Board of Directors + Advisory Board (Closed) POSEIDON ROOM		**Secretariat:** **Proc. Published:** SPIE.
20:00 – 24:00	DINNER INVITED SPEAKERS, EXCELSIOR H2020 CONSORTIUM, PARTNERS, EAB, BOD (Closed)	20:00 – 24:00	**Social Dinner – Konia tavern** https://maps.app.goo.gl/88DhLZeZRaU1Zse48		**Sponsored by:**

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12th International Conference on Remote Sensing and Geoinformation of Environment Conference

27-29 April 2026, Aliathon Holiday Village, Paphos, Cyprus

CONFERENCE AGENDA

Monday 27/4			
27/4 08:30 – 09:00	**Registration**		
27/4 09:00 – 10:00 Meeting Link	**Opening Session & Welcomes**	**Chair: Eliana Iliofotou Co-chair: Georgios Christodoulou**	**Room: Aphrodite**
	Prof. Diofantos Hadjimitsis, Managing Director of ECoE H.E. Dr. Nicodemos Damianou, Deputy Minister of Research, Innovation and Digital Policy Dr. Dirk Roland Haupt, Minister Counselor and Deputy Chief of Mission, Embassy of Germany, Nicosia H.E. Mr. Arkadiusz Kębek, Deputy Head of Mission, Embassy of Poland H.E. Mr. Martin Hagström, Ambassador of Sweden H.E. Mr. Konstantinos Kollias, Ambassador of Greece H.E. Dr. Krisztina Lakos, Ambassador of Hungary H.E. Mr. Mohamed Zaazou, Ambassador of Egypt H.E. Mrs. Antonella Cavallari, Ambassador of Italy Dr. Kyriakos Themistocleous, ECoE, CUT & Cyprus Remote Sensing Society H.E. Mr. Subhash Jangala, First Secretary (Economic Affairs), High Commission of India, Guest Talk: India in Space - Two decades of exploration		
27/4 10:00 – 11:00 Meeting Link	**Keynote Session I**	**Chair: Eliana Iliofotou Co-chair: Georgios Christodoulou**	**Room: Aphrodite**
	Mrs. Eleni Paliouras, Head of the Strategy, Programme & Coordination Office, ESA *Title: Evolution of ESA's Earth Observation Programmes post-CM25* Mrs. Barbara Ryan, Earth Observation Advocate *Title: Building a Globally Integrated Earth Observation System* Dr. Nektarios Chrysoulakis, Director of Research at the Foundation of Research and Technology Hellas (FORTH) – Chair of ERATOSTHENES Board of Directors *Title: Coupling dynamic cities and climate - the role of Earth Observation* Dr. Haris Kontoes, Research Director of National Observatory of Athens (NOA) *Title: "e-genesis" for Earth Intelligence: Transforming EO, AI/Gen AI and Emerging Digital Technologies into Actionable Insights for EU Policy Implementation and Strategic Decision-Making*		
27/4 11:00 – 11:30	**Coffee Break – POSTER PRESENTATIONS**		
27/4 11:30 – 12:45 Meeting Link	**Keynote Session II**	**Chair: Eliana Iliofotou Co-chair: Georgios Christodoulou**	**Room: Aphrodite**
	Mrs. Usue Donezar, Project lead at the Copernicus Land Monitoring Service (CLMS) at the European Environment Agency *Title: The Copernicus programme as a vector of knowledge transfer* Dr. Michael Falkowski, Earth Fire Alliance *Title: FireSat - From Orbit to Action: How a Global Community is Shaping the Future of Wildfire Resilience* Prof. Lena Halounova, Department of Geomatics, Czech Technical University of Prague *Title: Remote Sensing and AI* Dr. Dirk Roland Haupt, Minister Counselor and Deputy Chief of Mission, Embassy of Germany, Nicosia *Title: Seeing Without Touching, Cleaning Without Owning: Remote Sensing Law as a Launchpad for Active Space Debris Remediation* Mr. Lóránt Czárán, Chief, Space Applications Section, UNOOSA *Title: Space Technology and EO Data in Support of Disaster Management – The UN-SPIDER Programme*		

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27/4 12:45 – 13:15 Meeting Link	**Panel Discussion**	**Moderator: Barbara Ryan Co-chair: Georgios Christodoulou**	**Room: Aphrodite**
	Panel discussion: Earth Observation Challenges and Opportunities under the Cyprus Presidency of the EU Council		
27/4 13:15 – 14:00	**Lunch**		
27/4 14:00 – 15:30 Meeting Link	**Annual Excelsior H2020 Workshop: Earth Observation for Climate Change and Security Applications and Services in the Eastern Mediterranean, Middle East, and North Africa (EMMENA)**	**Chair: Diofantos Hadjimitsis Co-chair: Georgios Christodoulou**	**Room: Aphrodite**
	See separate agenda		
27/4 14:00 – 15:30 Meeting Link	**Climate & Atmosphere**	**Chair: Mahmoud Mardini Co-chair: George Leventis**	**Room: Adonis**
	137 Urban Heat Island Impacts on Residential Energy Costs and CO_2 Emissions in Ten Greek Regional Units, Paraskevi Gkatzioura, Olga Christopoulou, Konstantinos Perakis **150** Data-driven and intelligent modeling of atmospheric processes. Review of contemporary methods, Dimitar Makariev, Plamen Trenchev **156** GNSS-Derived Water Vapor as a Precursor to Fluvial Flooding in Cyprus: A Case Study of Storm Byron and the Pedieos River Basin, Christina Oikonomou, Despina Giannadaki, Haris Haralambous, Vassiliki Kotroni, Costas Lagouvardos **173** Evaluating the Lead Time of GNSS-derived Precipitable Water Vapor Jumps as a Potential Predictor for Heavy Rainfall Events in Cyprus, Christina Oikonomou, Haris Haralambous, Despina Giannadaki, Vassiliki Kotroni, Costas Lagouvardos **218** Fishing Zone Suitability Index using Multi-Parameter Remote Sensing and Biogeochemical Analysis for the Arabian Sea, Ashwani Kumar Singh, Manoj Kumar Tiwari **232** Spatio-Temporal Vegetation Dynamics and Climate Drivers in Cyprus: A Multi-Decadal Analysis Using Remote Sensing and Causal Inference, Felix Bachofer, Constantinos Panagiotou, Ursula Gessner, Eleni Loulli, Sophie Reinermann, Marinos Eliades, Stelios Neophytides, Diofantos Hadjimitsis **262** AI-based downscaling framework that combines the complementary strengths of CAMS and satellite observations, Kyriakos Aristidou, Jude Brian Ramesh, Orestis Livadiotis, Konstantinos Christofi, Maria Anastasiadou, Charalambos Chrysostomou, Silas Michaelides		
27/4 14:00 – 15:30 Meeting Link	**Coastal, Marine & Water Systems**	**Chair: George Papadavid Co-chair: Eleftheria Kalogirou**	**Room: Apollon**
	135 Revolutionizing Shallow-Water OFG and SGD Research: The Role of Drones and UAS-Borne Sensors, Iliyan Kotsev, Bogdan Prodanov **154** A Geospatial Framework for High-Resolution Coastal Mapping: Insights from the COASTLINE Project, Apostolos Papakonstantinou, Anna Atzaraki, Ermioni Papadopoulou, Athos Agapiou, Aikaterini Mazioti, Ioannis Savva, Marlen Ines Vasquez, Alessandra Capolupo, Nikos Papadopoulos, Nasos Argyriou, Savvas Varitimiadis, Pavlos Sotiropoulos **175** A Novel MATLAB algorithm for rapid sea surface objects detection, counting and classification in SAR images, Miroslav Tsvetkov **183** Efficient Tile-Computing YOLOv8 Model for Near-Real-Time Ship Detection in a High-Dimensional SAR Imagery, Muhammad Amjad Iqbal, Saqib Nazir, Mansoor Iqbal, Eleftheria Kalogirou, Christodoulos Mettas, Diofantos Hadjimitsis **215** Spatiotemporal Dynamics of Reservoir Water Volumes Using Satellite Data: A Case Study of Studena Dam (Bulgaria), Lachezar Filchev, Kamelia Radeva, Silvia Kirilova, Zlatomir Dimitrov **233** Delineation of Geological Basement and Marine Geohazards Using Subbottom Sensing Technology at Kokkari, Samos Isl., Greece, Ivan Theophilos Petsimeris, Thomas Hasiotis, Panagiotis Karsiotis, Olympos Andreadis **246** UAS-Based Assessment of Beach-Dune Systems along the South Bulgarian Black Sea Coast: The MapBGBeachDune Project, Iliyan Kotsev, Bogdan Prodanov, Radoslava Bekova **252** Coral Bay: A test bed for nature-based solutions against beach erosion, Thofanis Karambas, Thomas Hasiotis, Myria Loizidi, Ivan Theophilos Petsimeris		

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27/4 14:00 – 15:30 Meeting Link	**AI, ML & Earth Observation**	**Chair: Stelios Neophytides Co-chair: Charalambos Chrysostomou**	**Room: Poseidon**
	143 GPR misinterpretations and how AI mitigates and exacerbates these issues, Michael Arvanitis **163** A Hybrid Disaster Victim Dataset Using AI-Generated and Simulated Images for Victim Detection in Collapsed Buildings, Amir Azizi, Panayiotis Charalambous, Ali Najm, Yiorgos Chrysanthou **167** Creating Accurate Annotation Datasets from EO and SAR imagery for Defence Applications, Vyron Antoniou, Evangelos Xynogalas, Eleni Papathanasiou, Nikolina Pappa, Christos Chousiafis **171** Causal Machine Learning for Agricultural Yield Analysis with Earth Observation: Systematic Review and a Framework for Mediterranean Rainfed Systems, Vincenzo Schiano Di Cola, Vivek Raj, Stelios Neophytides, Michalis Mavrovouniotis **199** Fusion of Oil Spill Detection Results from Thresholding and Deep Learning Using Landsat Data over the North Sea, Olga Schmidt, Carolin Wloczyk, Egbert Schwarz **241** A GEE-Based Causal Machine Learning Pipeline for EO-Driven Yield Effect Estimation: Geophysical Confounding and Spatial Heterogeneity in Cyprus, Vivek Raj, Vincenzo Schiano Di Cola, Stelios Neophytides **245** A Cloud-Native, Multi-Sensor Remote Sensing Pipeline for Regional Geothermal Reconnaissance: Joint Detection of Thermal Anomalies, Hydrothermal Alteration Zones, and Structural Corridors via Google Earth Engine and Causal Confound Removal, Vivek Raj, Vincenzo Schiano Di Cola, Stelios Neophytides **226** Investigating the cooling efficiency of drought-tolerant vegetation as a Nature Based Solution (NBS) for urban heat resilience: The case study of Paphos, Cyprus, Christodoulos Demetriou, Stelios Neophytides, Ioannis Gitas, Nicholas Kyriakides, Diofantos Hadjimitsis, Kyriacos Themistocleous		
27/4 15:30 – 16:00	**Coffee Break – POSTER PRESENTATIONS**		
27/4 16:00 – 17:30 Meeting Link	**Annual Excelsior H2020 Workshop: Earth Observation for Climate Change and Security Applications and Services in the Eastern Mediterranean, Middle East, and North Africa (EMMENA)**	**Chair: Diofantos Hadjimitsis Co-chair: Georgios Christodoulou**	**Room: Aphrodite**
	See separate agenda **211** Human Capital, AI Readiness and STEM Capability in Earth Observation Centres of Excellence: Towards a Talent and Skills Framework for Organisational Excellence, **Vana Ioanna Karagianni**, Athanasios Drigas, Ioannis Gitas		
27/4 16:00 – 17:30 Meeting Link	**Forestry, Fires & Ecosystems**	**Chair: Menelaos Stavrinides Co-chair: Maria Prodromou**	**Room: Adonis**
	160 FPGA-Accelerated Neural Network for Wildfire Pixel Classification, Konstantinos Dionysiou, Panagiotis Antoniou, Haris Efstathiou Michail, Savvas Chatzichristofis **176** Application of satellite data for monitoring dynamics of the Huron glacier on Livingston Island over a period of 40 years, Andrey Stoyanov, Temenuzhka Spasova, Adlin Dancheva, Miroslav Tsvetkov **177** Monitoring of Snow Cover in High Mountain Regions of Bulgaria, **Temenuzhka Spasova**, Andrey Stoyanova, Miroslav Y. Tsvetkov, Adlin Dancheva **236** Sat4Gaia: A land monitoring service for the Hellenic National Small-Sats Project, Polychronis Kolokoussis, V. Charalampopoulou, A. Baglatzi, D. Sykas, A. Ganas, V. Tsironi, X. Papanikolaou, N. Madonis, C. Nektarios, D. Parastatidis, D. Tsirantonakis, M. Gkolemi, Z. Mitraka, C. Ioannidis, A. Doulamis, A. Temenos, S. Verykokou, S. Soile, E. Papatheodorou, A. Kyriou, N. Argyropoulos, K. Nikolakopoulos, G.S. Vergos, K. Karalidis, M. Lamprianidou, G. Tsakoumis, V. Foteinos, C. Kontoes, S. Alatza, J. Ioakeim, G. Christopoulos, D. Tsakou, D. Bliziotis, C. Karakizi, A.S. Oliveira, A. Muting **237** Sat4Φorest: A forest monitoring service for the Hellenic National Small-Sats Project, Polychronis Kolokoussis, I. Gitas, D. Stavrakoudis, A. Baglatzi, D. Sykas, V. Charalampopoulou, P. Kolokoussis, F. Balampanis, C. Kontoes, D. Bliziotis, C. Karakizi, A.S. Oliveira, A. Muting **243** Deployment of Remote Sensing Databases in High Fidelity Forensic Spatio-temporal Reconstruction of WUI wildfires, Nikolaos Kamakiotis		

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	250 Disentangling landscape-specific drivers of fire severity using remote sensing and machine learning techniques, Saroj Kumar Sharma, Jagannath Aryal, Abbas Rajabifard **260** Remote Sensing and GIS-Based Diagnostic Framework for Post-Fire Landscape Assessment in Limassol, Cyprus, Maria Prodromou, Andreas Konstantinidis, Christiana Papoutsa, Christina Ieronimidou, Christodoulos Mettas, Dimitra Gaki, Dimitris Goussios, Eleni Loulli, George Vlachos, Giannis Faraslis, Konstantinos Karatzidis, Koulla Michael, Marios Tzouvaras, Melpo Apostolidou, Menelaos Stavrinides, Prodromos Mardakis, Stavros Kazamias **277** Mapping Greece's Forests: The National Satellite Space Project (GNSSP), Dimitris Stavrakoudis, Ioannis Z. Gitas, Michail Sismanis, Nikos Georgopoulos, Konstantinos Antoniadis, Nikolaos L. Tsakiridis, Dimitris Bliziotis, Christina Karakizi, Ana-Sofia Oliveira, Ariane Muting, Alkyoni Baglatzi		
27/4 16:00 – 17:30 Meeting Link	**Hydrology, Floods and Water Resources**	**Chair: Georgios Kountios** **Co-chair: Muhammad Amjad Iqbal**	**Room: Apollon**
	148 Hyperspectral unmixing and bio-optical classification for inland water quality monitoring: a multi-cube AVIRIS-NG analysis of Lake Trasimeno, Muhammad Zaid Qamar, Cristiano Ciccarelli, Mohammed Ajaoud, Massimiliano Lega **152** Calibration, Validation and Implementation of a WRF-Hydro Flash-Flood Forecasting System over the Koiliaris Basin (Crete, Greece), Vassiliki Kotroni, Christos Giannaros, Kostas Lagouvardos, Antonis Bezes, Christina Oikonomou, Haris Haralambous **229** A Satellite-Based Validation of Reservoir Water Capacity at Mavrokolympos Dam: A Follow-Up Study, Demetris Christofi, Evagoras Evagorou, Christodoulos Mettas, Neophytos Stylianou, Diofantos Hadjimitsis **235** The Golden Twins, Polychronis Kolokoussis, A. Papadaki, V. Charalampopoulou, C. Kontopoulos, P. Kolokoussis, G. voskopoulos, G. Daskalopoulos, K. Mpotonakis, M. Michalas, N.-A. Livanos, C. Ioannidis, D. Stavrakoudis, V. Lappas, A. Paschalis **271** The MAR agreements: A new governance approach for advancing the MAR implementation, Constantinos Panagiotou, Catalin Stefan **273** Cross-Border Cooperation for Monitoring and Evaluation of Maritime Spatial Planning, Eleftheria Kalogirou, Maria Prodromou, Petros Antoniou, Despoina Makri, Evagoras Evagorou, Kyriacos Aliouris, George Kokkosis, Andriana Hadjikyriacou, Eleni Lalou, Anna Spyropoulou, Panos Manetos, Michail Vaitis, Nikolaos Soulakellis, Georgios Tsilimigkas, Georgios Tataris, Stelios Katsanevakis, Gerasimos Pavlogeorgatos, Christodoulos Mettas, Diofantos Hadjimitsis **278** Interannual Dynamics of Vegetation and Environmental Quality in Mediterranean Coastal Ecosystems Using Remote Sensing Indices, Mgdalini Angeli, Georgios Lampropoulos, Styliani Koukosoula, Vasiliki Manaridou, Christina Musacchio, Nerantzia Tzortzi, Dimitrios D. Alexakis		
27/4 16:00 – 17:30 Meeting Link	**AI, ML & Earth Observation**	**Chair: Stelios Neophytides** **Co-chair: Michalis Mavrovouniotis**	**Room: Poseidon**
	146 Land consolidation and LLMs: implications for statutory interpretation and governance, Demetris Demetriou **162** Multiple Exposures in Cabo Delgado, Mozambique: How Civil Conflict and Cyclones Alter Cultivated Land Use Patterns, Lauren Herwehe **164** Large Language Model Driven Named Entity Recognition for Soil and Land Information Extraction in the EMMENA Region, Premkumar Borugadda, Ioannis Varvaris, Diofantos Hadjimitsis **168** AI-driven multi-satellite orbit prediction model for improved Earth Observation and disaster response, Shimrit Maman, Yoav Gvili, Noam Cohen Shvartzberg, Oded Koren **169** Detecting Unauthorized Constructions from Aerial Imagery Using Deep Learning Model and Cadastral Data, Mariam Petrosyan, Vahagn Muradyan, Gevorg Manukyan, Davit Hakhverdyan, Ani Tovmasyan, Anush Margaryan **221** Low-Interaction Post-Disturbance Mapping for UAV/Satellite Optical Imagery Using Tile Scoring and Prompted Segmentation, Mansoor Iqbal, Muhammad Amjad Iqbal, Charalambos Chrysostomou, Michalis Mavrovouniotis **234** BorderForce: Flexible system extending automated border surveillance by increased situational awareness adaptable to uncertain times with unforeseen events, Polychronis Kolokoussis, **L. Panagiotopoulou**, A. Papageorgiou, V. Charalampopoulou, A. Kriechbaum-Zabini, G. Boultadakis, C. Antoniou, M. Mavrovouniotis, M. Tzouvaras, L. Salmela **239** THEIA: Enhancing Copernicus Security services – EU governmental crisis management hub for forced population displacement, Polychronis Kolokoussis, **L. Panagiotopoulou**, A. Papageorgiou, M. Michalas, P. Kolokoussis, V. Charalampopoulou, J. Santos, J. Romero, I. Burgstaller, A. Kriechbaum-Zabini, G. Boultadakis, V. Antoniou, J. Lopez-Guzman, D. Röhr, T. Egido, B. Stępień, A. Urbas		

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Tuesday 28/4			
28/4 08:30 – 08:45	**Registration**		
28/4 08:45 – 09:15 Meeting Link	**Keynote Session III**	**Chair: Georgios Christodoulou Co-chair: Andreas Christofe**	**Room: Aphrodite**
	Prof. Rosa Lasaponara, CNR-IMAA, University of Basilicata *Title: From Space to Ecosystems, from Single Trees to the Global Scale: Multi-temporal, Multi-sensor, and Multi-scale Monitoring of Vegetation Stress* Mr. Marcello Maranesi, founder GMATICS *Title: Geospatial Applications Leveraging Earth Observation - From Research & Development to Operational Services*		
28/4 09:15 – 11:00 Meeting Link	**Advancing Disaster Risk Reduction through Earth Observation and Geospatial Technologies (UN-SPIDER & ECoE) Closed**	**Chair: Marios Tzouvaras Co-Chair: Christodoulou Mettas**	**Room: Aphrodite**
	See separate agenda		
28/4 09:15 – 11:00 Meeting Link	**Final Event of the SMARTPLAIGO Project: Presentation of Results, Pilot Actions, and Next Steps**	**Chair: Maria Anastasiadou Co-chair: Neofytos Kokkinos**	**Room: Adonis**
	See separate agenda		
28/4 09:15 – 11:00 Meeting Link	**The Earth Observation Data Ground Station in Cyprus: Strengthening Cyprus's Role in European Earth Observation Operations**	**Chair: Kyriacos Themistokleous Co-chair: Nikos Christoforou**	**Room: Apollon**
	See separate agenda **281** Enhancing Earth Observation Capacity in Cyprus with a 9 m S/X/Ka-Band Antenna, Kyriacos Themistokleous, **Nikos Christoforou**, Egbert Schwarz, Christos Dimou, Valentinos Evripidou, Neal Beckett, Sotiris Alexandrou, Costas Agrotis, Gunter Schreier		
28/4 09:15 – 11:00 Meeting Link	**5th CARBONICA Brain Gain Conference: From Diaspora Insights to Local Action: Advancing Carbon Farming for Resilient Agriculture in Cyprus**	**Chair: Christiana Papoutsa Co-chair: George Papadavid**	**Room: Poseidon**
	See separate agenda		
28/4 11:00 – 11:30	**Coffee Break – POSTER PRESENTATIONS**		
28/4 11:30 – 13:00 Meeting Link	**Addressing Coastal Erosion and Flooding of Beaches with Tourist and Ecological Importance Using Environmentally**	**Chair: Christodoulos Mettas Co-Chair: Marios Tzouvaras**	**Room: Aphrodite**

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	Friendly Methods in Light of Climate Change (ECO-BEACHTECH) Closed		
	See separate agenda		
28/4 11:30 – 13:00 Meeting Link	**Final Event of the SMARTPLAIGO Project: Presentation of Results, Pilot Actions, and Next Steps**	**Chair: Maria Anastasiadou Co-chair: Neofytos Kokkinos**	**Room: Adonis**
	See separate agenda		
28/4 11:30 – 13:00 Meeting Link	**Space and Trustworthy AI workshop (ENFIELD) Closed**	**Chair: Michalis Mavrovouniotis Co-chair: Stelios Neophytides**	**Room: Apollon**
	See separate agenda		
28/4 11:30 – 13:00 Meeting Link	**Integrated Plant Health, Pest Management and Preparedness for Food Security**	**Chair: Menelaos Stavrinides Co-chair: Maria Prantsidou**	**Room: Poseidon**
	182 Who Owns What You See from Space? Remote Sensing and Data Rights, **Michael Chatzipanagiotis** **186** Monitoring the Phenological Cycle of Olive (cv. 'Koroneiki') Using High-Resolution Satellite Time Series: A Region-Specific Transferable Approach, **Thrasivoulos Stylianou**, Ashish Kallikkattil Kuruvila, Marianna Hadjichristodoulou, Volha Dubovik, Eleni Loulli, Francisco Rovira-Más, Loukas Kanetis, Menelaos Stavrinides, Diofantos Hadjimitsis, Christiana Papoutsa **188** Monitoring Cropland Recovery After Flooding Using Multi-Sensor Satellite Time Series: Case Study for the Lake Karla Basin, Greece, **Marios Hadjipanagi**, Christos Theocharides, Christiana Papoutsa, Afroditi Athanasiou, Antonis Mavroeidis, Panagiotis Trivellas, Nikolaos Nikoloudakis, Andreas Katsiotis **205** A Socio-Economic Decision-Support Tool for Sustainable Agricultural Policy, **Daria Loginova**, Sabine Hoidn, Ioannis Varvaris, Stefan Mann **224** High-Resolution Satellite Mapping of Citrus Orchards: Tree Detection and Canopy Cover Assessment, **Ashish Kallikkattil Kuruvila**, Marianna Hadjichristodoulou, Thrasos Stylianou, Diofantos Hadjimitsis, Eleni Loulli, Menelaos Stavrinides, Volha Dubovik, Iason Tsardanidis, Ilias Tsoumas, Christiana Papoutsa **227** SAR-Based Change Detection of the February 2026 Evros Floods (Greece) in Google Earth Engine with PlanetScope Integration for Agricultural Impact Assessment, **Christos Theocharidis**, Christiana Papoutsa, Marios Hadjipanayi, Afroditi Athanasiou, Antonis Mavroeidis, Panagiotis Trivellas, Nikolaos Nikoloudakis, Andreas Katsiotis **244** A Low-Code Paradigm for Rapid Development of Cyber-Physical Applications in the Food Security Domain: The Nostradamus Approach, **Konstantinos Panayiotou**, Emmanouil Tsardoulias, Theodoros Tsampouris, Ioannis Gkountras, Themistoklis Diamantopoulosa, Andreas Symeonidis **259** Exploring the Relationship Between Sentinel-2 Vegetation Indices and Microclimate Variability in a Citrus Orchard, **Marianna Hadjichristodoulou**, Ashish Kallikkattil Kuruvila, Thrasos Stylianou, Volha Dubovik, Eleni Loulli, Francisco Rovira-Más, Marinos Eliades, Menelaos Stavrinides, Diofantos Hadjimitsis, Christiana Papoutsa **266** Nostradamus enabling data-driven sustainable agriculture in Europe through interoperable Data Cubes and multi-actor digital innovation, **Ioannis Varvaris**, Stelios Neophytides, Menelaos Stavrinides, Stavroula Dimitriadi, Eleni Loulli, Thrasos Stylianou, Thomaida Polydorou, Diofantos Hadjimitsis		
28/4 13:00 – 14:00	**Lunch**		
28/4 14:00 – 15:30 Meeting Link	**Industry Session: Earth Observation and Space Applications**	**Moderator: Christian Gihr Co-chair: Andreas Andreou**	**Room: Aphrodite**
	See separate agenda		

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28/4 14:00 – 15:30 Meeting Link	**Epidemics and Health & Urban, GIS & Built Environment**	**Chair: Galatia Photiou Co-chair: Neophytos Stylianou**	**Room: Adonis**
	196 Short-Term Effects of Air Pollution and Temperature on Arterial Stiffness: Findings from the DEpICT Study, Galatia Photiou, Andrie G. Panayiotou, Nicos Middleton, Neophytos Stylianou **198** GIS in Strategic Health Service Planning: A Systematic Review of Access-Oriented Applications in Primary Care, Neophytos Stylianou, Galatia Photiou, Evagoras Evagorou, Christodoulos Mettas **202** Satellite data and GIS in monitoring air pollution and respiratory diseases, Milen Chanev, Georgi Jelev, Plamen Trenchev, Maria Dimitrova, Mokhamad Cahyadi, Lachezar Filchev **220** Grid-Based Machine Learning for Forecasting Accident Risk and Supporting EMS Planning in Cyprus, Mansoor Iqbal, Stelios M. Mappouras, Michalis Gemenaris, Georgia D. Liapi, Charalambos Chrysostomou, Maria N. Anastasiadou, Efthyvoulos Kyriacou --- **147** InSAR-Derived Surface Deformation and Damage Assessment of the 2019 Mirpur Earthquake, Muhammad Mutahir Ahmad **210** Long Life Learning Courses building Advanced Skills for Climate-Resilient Land Management: Insights from the GPSEducation Project, Marzia Gabriele, Raffaella Brumana, Mariame CHAHBI, Maryam MAZOUZ **251** Translating Remote Sensing Research into Commercial Opportunity: The RustAlertSystem Case, Marina Doukanari, Andreas Christofe, Andreas Anayiotos, Diofantos Hadjimitsis		
28/4 14:00 – 15:30 Meeting Link	**Space and Trustworthy AI workshop (ENFIELD) Closed**	**Chair: Michalis Mavrovouniotis Co-chair: Stelios Neophytides**	**Room: Apollon**
	See separate agenda		
28/4 14:00 – 15:30 Meeting Link	**Living Labs Cultivating Soil and Water Resilience through Innovation for Sustainable Agriculture**	**Chair: Ioannis Varvaris Co-chair: Marinos Eliades**	**Room: Poseidon**
	207 Land-Use Composition and Socio-Economic Dynamics in Sub-Saharan Africa: Evidence from the AfroGrow Project Countries, **Daria Loginova** **208** Assessing the spatial transferability of GEDI–AlphaEarth Embedding-based biomass models from Kenya to AfroGrow Living Lab Landscapes, **Dhouha Ouerfelli**, Youssef Nadhyf, Ioannis Varvaris, Diofantos Hadjimitsis **238** Alternative crops and sustainable agriculture, Polychronis Kolokoussis, A. Syridou, A. Kollia, V. K. Drosos **240** DigiFarm: Assessing Digital Training Needs of Agricultural Advisors in Europe, **Maria Prantsidou**, A. Iachetti, M. Hadjichristodoulou, T, Stylianou, E. Loulli, C. Papoutsa, D. Hadjimitsis, S. Papadopoulos, S. Theodoridis, D. Bormpoudakis, C. Kontoes, A. Tsafara, D. Argyropoulos, M. Stavrinides **249** Carbon Farming Practices in Cereal Crops: Effects of Compost and Straw Application on Soil Health, **Stavroula Dimitriadi**, Maria Prantsidou, Michalakis Christoforou, Styliana Efstathiou, Diofantos Hadjimitsis, George Papadavid, Menelaos Stavrinides, Marios Tzouvaras, Christiana Papoutsa **264** AfroGrow transforming AU agroforestry systems through Living Labs and FNSSA-driven business model innovation, **Ioannis Varvaris**, Zampela Pittaki, Dhouha Ouerfelli, Youssef Nadhyf, Roland Richard Sier, Diofantos Hadjimitsis **265** Nemesis Soil Health Living Labs for Combating Desertification in Mediterranean Landscapes, **Ioannis Varvaris**, Dhouha Ouerfelli, Youssef Nadhyf, Dimitrios Koumoulidis, Eleni Neofytou, Marinos Eliades, Orestis Rizopoulos, Valeria Tsirou, Diofantos Hadjimitsis **267** An Event-Driven AI Architecture for Transforming Heterogeneous Food System Data into Policy Intelligence, **Athanasios Michailoudis**, Themistoklis Diamantopoulos, Dimitrios-Nikitas Nastos, Andreas Symeonidis		
28/4 15:30 – 16:00	**Coffee Break– POSTER PRESENTATIONS**		

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27-29 April 2026, Aliathon Holiday Village, Paphos, Cyprus

28/4 16:00 – 17:30 Meeting Link	**Space BIC: Advancing Space Entrepreneurship under Cyprus EU Presidency**	**Moderator: Eleni Loulli Co-chair: Andreas Andreou**	**Room: Aphrodite**
	See separate agenda		
28/4 16:00 – 17:30 Meeting Link	**Urban, GIS & Built Environment (3D-TWINMAP)**	**Chair: Marios Tzouvaras Co-chair: Neofytos Kokkinos**	**Room: Adonis**
	282 Mobile 3D Mapping capabilities for Digital Twin Development by ERATOSTHENES Centre of Excellence: The 3D-TWINMAP project, **Marios Tzouvaras** **147** InSAR-Derived Surface Deformation and Damage Assessment of the 2019 Mirpur Earthquake, Muhammad Mutahir Ahmad **153** Statistical modelling of urban objects from noisy and low-resolution satellite imagery, Thomas Krauss **158** GIS-Based Digital Transformation: A Methodology for Bureaucratic Burden Reduction, Nikolaos Xagoraris, Christodoulos Mettas, Neophytos Stylianou, Ioannis Gitas, Diofantos Hadjimitsis **187** Automating Urban Planning Workflows with LLMs: The Case of Nork-Marash, Yerevan, Mariam Petrosyan, Suren Tovmasyan, Davit Khanaghyan **253** Bridging Field Data and Decision-Making: A Municipal GIS Platform for Asset and Process Management, Themistoklis Roustanis, Petros Patias, Neophytos Stylianou, Evagoras Evagorou, Georgios Konstantinos Nestoras, Tereza Aristeidou, Zina Andreou, Nikolaos Markou, Christodoulos Mettas **254** An Integrated Geospatial Information System for Asset and Process Management in Local Government: Design and Implementation for the Limassol District, Themistoklis Roustanis, Petros Patias, Neophytos Stylianou, Evagoras Evagorou, Georgios Konstantinos Nestoras, Christina Papadopoulou, Eleni Mappouridou, Christodoulos Mettas **257** Deep Learning-Based Building Change Detection from Very High Resolution Orthophotos in Urban and Peri-Urban Environments, Themistoklis Roustanis, Petros Patias, Charalampos Georgiadis, Sevasti Chalkidou		
28/4 16:00 – 17:30 Meeting Link	**Space and Trustworthy AI workshop (ENFIELD) Closed**	**Chair: Michalis Mavrovouniotis Co-chair: Stelios Neophytides**	**Room: Apollon**
	See separate agenda		
28/4 16:00 – 17:30 Meeting Link	**Connecting Atmosphere, Land Use and Solar Dynamics for Climate-Resilient Landscapes**	**Chair: Rodanthi Elisavet Mamouri Co-chair: Ioannis Varvaris**	**Room: Poseidon**
	149 Spatial Patterns of Urban Sprawl in the Larnaca Metropolitan Area Using Landscape Metrics and the GLAD Global Land Cover and Land Use Change dataset, **Dimitrios Koumoulidis**, Ioannis Varvaris, Diofantos Hadjimitsis **165** Climate-informed spatial prioritization for the conservation of Emys orbicularis in Greece, Youssef Nadhyf, Dhouha Ouerfelli, Ioannis Varvaris, Antonios D. Mazaris, Diofantos Hadjimitsis **170** Evaluating EarthCARE's MSI and ATLID Aerosol Products Against Ground-Based Sunphotometer and Lidar Observations, **Aspasia Pallikaridou**, Georgios Kotsias, Rodanthi Elisavet Mamouri, Kyriaki Papachristopoulou, Stelios Kazadzis **206** Land-Use Change and Socio-Economic Outcomes: A Global Longitudinal Assessment, **Daria Loginova**, Stefan Mann, Sabine Hoidn, Ioannis Varvaris **225** Wildfire smoke cases detected by the PollyXT Lidar at the CARO Limassol station: EarthCARE capabilities for detecting Smoke, **Maria Poutli**, Hossein Panahifar, George Kotsias, Diofantos Hadjimitsis, Moritz Haarig, Rodanthi-Elisavet Mamouri **228** The influence of agrometeorological factors on irrigated Citrus trees, **Marinos Eliades**, Constantinos Panagiotou, Ioannis Varvaris, Eleni Neofytou, Stelios Neophytides **247** Layer-Resolved Retrieval of 3-Mode Aerosol Optical and Microphysical Properties Using GRASP Lidar-photometer synergy in Limassol, Cyprus, **Athina Savva**, Konstantinos Chrysostomou, Anton Lopatin, Diofantos Hadjimitsis, Rodanthi-Elisavet Mamouri		

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	248 High-Resolution Validation of MONARCH Dust forecasts during strong dust episodes: Leveraging EarthCARE ATLID and CARO NF measurements, **Konstantinos Chrysostomou**, George Kotsias, Emanuele Emili, Tito Vintimilla Santiago Cruz, Maria Poutli, Diofantos Hadjimitsis, Rodanthi-Elisavet Mamouri

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Wednesday 29/4			
29/4 08:45 – 09:30 Meeting Link	**Keynote Session IV**	**Chair: Georgios Christodoulou Co-chair: Andreas Christofi**	**Room: Aphrodite**
	Dr. Vincent G. Ambrosia, Adjunct Faculty Member in the Department of Applied Environmental Sciences, College of Science, California State University – Monterey Bay (online) Title: The Times, They Are a'Changin'": History and Outlook for U.S. Earth Observations Missions and Programs Mr. Daniel Barok, Vice President for Business Development at Powder Fuels and representative of HawkEye 360 in Israel Title: Things we can do on Earth and we can do much better in Space Dr. Peter Zeil, Senior consultant & Co-founder Spatial Services GmbH Title: Africa & Europe Space Partnership		
29/4 09:30 – 11:00 Meeting Link	**Poster Presentations**	**Chair: Georgios Christodoulou Co-chair: Andreas Christofi**	**Room: Aphrodite**
	See separate agenda		
29/4 09:30 – 11:00 Meeting Link	**Culture Heritage**	**Chair: Dante Abate Co-chair: Maria Cristina Salvi**	**Room: Adonis**
	179 From Historical Maps to Satellite Data: A Methodology for Coastal Change Analysis in the CHANGES Project, Konstantinos Roussos, Andreas Livadiotis, Christodoulos Dimitriou **213** Remote sensing for archaeological site monitoring in Africa: Barriers and solutions, Friederike Jürcke, Ahmed Mahmoud, Stefania Merlo, Paul Lane **217** Accuracy evaluation of Transformer-based 3D Reconstruction Compared to Photogrammetry for the 3D survey of Archaeological Sites, Panayiotis N. Panayiotou, Andreas Livadiotis, Dante Abate **263** A Methodological Framework for Monitoring Burial Sites using Remote Sensing and Geostatistical Data Fusion Within the EXCALIBUR Project, Konstantinos Roussos, Georgios Leventis, Dante Abate, Eleftherios Anastasovitis, Georgia Georgiou, Spiros Nikolopoulos, Kyriakos Themistocleous, Chrysanthos Pissarides **272** HeritEdge-AI: A Cultural Heritage–Centered, Audit-Ready Mobile–Web Workflow for Municipal Exposure Inventories and Seismic Vulnerability Mapping, Carlo Andrea Castiglioni, Napoleon Papoutsakis, Nikolaos Schetakis, George Xekalakis, Barbara Charalambidi, Petros Christou, Georgios Stavroulakis, Alessio Di Iorio, Julia Nerantzia Tzortzi, Rita Maria Cristina Luigia Musacchio		
29/4 09:30 – 11:00 Meeting Link	**Space and Trustworthy AI workshop (ENFIELD) Closed**	**Chair: Michalis Mavrovouniotis Co-chair: Stelios Neophytides**	**Room: Apollon**
	See separate agenda **157** An Unsupervised Autoencoder pipeline for Coastal and Reservoir change detection using Sentinel-2 Multispectral Imagery, Kyriakos Aristidou, Charalambos Chrysostomou, Konstantinos Christofi, Diofantos G. Hadjimitsis, Michalis Mavrovouniotis **200** Optimizing Sentinel-2 Spectral Bands for Marine Debris Detection with Random Forests, Konstantinos Christofi, Charalambos Chrysostomou, Kyriakos Aristidou, Diofantos Hadjimitsis		
29/4 09:30 – 11:00 Meeting Link	**CAMS NCP Cyprus: Air Quality Data and Digital Platforms for Operational Use**	**Chair: Maria Anastasiadou Co-chair: Neofytos Kokkinos**	**Room: Poseidon**
	See separate agenda		
29/4 11:00 – 11:30	**Coffee Break– POSTER PRESENTATIONS**		

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29/4 11:30 – 13:00 Meeting Link	**Ionosphere, Cosmic Rays and GNSS**	**Chair: Silas Michaelides Co-chair: Georgios Christodoulou**	**Room: Aphrodite**
	138 Association Between Spread-F and Spread-Es in the Midlatitude Ionosphere, Krishnendu Sekhar Paul, Haris Haralambous **139** Large-Scale Ionospheric Disturbances During the November 2025 Geomagnetic Storm from Swarm and TEC Observation, Krishnendu Sekhar Paul, Haris Haralambous **141** Assessment of Galileo Single-Frequency Positing Algorithm over Nicosia Under March 2023 Geomagnetic Storm Conditions, Trisani Biswas, Vasilis Petrou, Haris Haralambous **142** Dynamics of Amplitude and Phase Scintillation Through Multi-Year Observation from Cyprus, Trisani Biswas, Haris Haralambous **144** Bridging the Scale Gap in Earth Observation: Using Particle Detector Networks as a Novel Remote Sensing Data Source for Atmospheric Monitoring, Nuhcan Akçit, Bugra Bilin **174** LST extraction using machine learning and SDGSat-1 high resolution thermal data, Vassiliki Tomara, Demetris Stathakis **172** Quantum Fourier Transform for velocity estimation in Multi-Temporal SAR Interferometry: validation on Sentinel-1 data, Vincenzo Schiano Di Cola, Alberto Morea, Graziana Lopetuso, Marco Berardi, Cosmo Lupo, Francesco V. Pepe, Raffaele Nutricato **189** Uncertainty and information content of satellite-observed tropospheric no_2 in earth system digital twins: a monte carlo and information-theoretic framework. Dimitar Makariev, Plamen Trenchev		
29/4 11:30 – 13:00 Meeting Link	**Culture Heritage**	**Chair: Dante Abate Co-chair: Maria Cristina Salvi**	**Room: Adonis**
	201 Mapping Heritage Vulnerability in Limassol, Cyprus: An Unsupervised Learning Approach to Quantifying Spatial and Environmental Conflict Between Commercial Gentrification and Cultural Preservation Using Sentinel-5P, Georgios Leventis, Diofantos Hadjimitsis **216** RECHBib: Bibliographic database for Remote Sensing and Cultural Heritage studies in the Eastern Mediterranean, Middle East, and North Africa (EMMENA), Mahmoud Mardini, Christodoulos Dimitriou, Dante Abate **219** Protecting Cultural Heritage from Space: The SATCULT Project, Maria Cristina Salvi, Dante Abate, Karin Drda-Kühn, Johanna Leissner, Nicola Masini, Nicodemo Abate **223** Next-Generation Remote Sensing: Leveraging 5D Spatio-Temporal Data and Integrated Intelligence for Cultural Heritage Protection in Greece, Magdalini Angeli, George Lampropoulos, Alexandros Makris, Anastasios Roussos, Dimitris D. Alexakis **280** Climate-Resilient Protection of Cultural Heritage on Unstable Terrain: The case study of Choirokoitia, Cyprus, Kyriacos Themistokleous		
29/4 11:30 – 13:00 Meeting Link	**Space and Trustworthy AI workshop (ENFIELD) Closed**	**Chair: Michalis Mavrovouniotis Co-chair: Stelios Neophytides**	**Room: Apollon**
	See separate agenda		
29/4 11:30 – 13:00 Meeting Link	**CAMS NCP Cyprus: Air Quality Data and Digital Platforms for Operational Use**	**Chair: Maria Anastasiadou Co-chair: Neofytos Kokkinos**	**Room: Poseidon**
	See separate agenda		
29/4 13:00 – 14:00	**Closing Ceremony Conference results and awards**	**Chair: Diofantos Hadjimitsis Co-chair: Andreas Christofi**	**Room: Aphrodite**
29/4 14:00 – 18:00	**Lunch & Excursion**		

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Poster Presentations

29/4 09:30 – 11:00 Meeting Link	Poster Presentations	Chair: Georgios Christodoulou Co-chair: Andreas Christofi	Room: Aphrodite
	151 Digital Readiness and Innovation Attitudes as Determinants of Farmers' Training Needs in Remote Sensing and Geoinformatics: A Case Study of Imathia Prefecture, Greece, Evangelia Gianneli, Georgios Kountios, Georgios Papadavid **155** Enhancing High-Impact Rainfall Forecasts through Multi-Sensor Data Assimilation in WRF: Insights from the CYGMEN Project, Vassiliki Kotroni, Antonis Dimitrelos, Athanasios Karagiannidis, George Gragkoulidis, Christos Giannaros, Kostas Lagouvardos, Christina Oikonomou, Haris Haralambous **159** UAV Remote Sensing of Watermelon under Different Irrigation Regimes: Non-Parametric Modelling of Crop Biophysical Variables, Ilina Kamenova, Petar Dimitrov, Dessislava Ganeva, Rositsa Cholakova, Lachezar Filchev, Iskren Ivanov, Ivanka Tringovska, Daniela Ganeva, Stanislava Grozeva **160** FPGA-Accelerated Neural Network for Wildfire Pixel Classification, Konstantinos Dionysiou, Panagiotis Antoniou, Haris Efstathiou Michail, Savvas Chatzichristofis 161 Earth observation–based monitoring and early-warning system for vegetation stress and drought conditions, Christina Eisfelder, Juliane Huth, Patrick Sogno, Felix Bachofer **166** Detecting Illegal Water Abstractions Using Earth Observation and Artificial Intelligence: Challenges, Research Gaps, and Future Directions, Elena Kakoulli, Tasos Antoniades, Stelios Neophytides **178** Spatiotemporal Soil Erosion Assessment Projections on the Cultural Heritage Sites under Different Climate Change Scenarios: The Case Study of Amathus, Cyprus, Nikoletta Papageorgiou, Diofantos Hadjimitsis, Chris Danezis, Rosa Lasaponara **180** Single Ionogram Detection of Ionospheric Irregularities, Haris Haralambous, Krishnendu Paul **181** Ionospheric signatures excited by recent earthquakes, Haris Haralambous, Trisani Biswas, Krishnendu Paul **185** Cloud Vertical Structure and Regimes from EarthCARE CPR over the Eastern Mediterranean, George Kotsias, Konstantinos Chrysostomou, Rodanthi Elisavet Mamouri **190** Decision support systems for water scarcity management in Semi-arid regions: A review of AQUATOOL Applications and Implications for Cyprus, Spyroulla Georgiou, Constantinos Panagiotou, Diofantos Hadjimitsis **191** From Multispectral to Hyperspectral: A Benchmarking Study of Crop Mapping Consistency between Sentinel-2 and PRISMA, Iskren Ivanov, Lachezar Filchev, Ilina Kamenova **192** A GIS-Based Geoheritage Inventory for Greece: Development and Applications, Zoe Pantazopoulou, Giorgos Papadavid **193** A Method for Reconstruction of Leaf Area Index Time Series Using Sentinel-2 Data and the Canopy Structural Dynamic Model, Ilina Kamenova, Petar Dimitrov **194** Comparative Analysis of EnMAP and Sentinel-2 Data for Crop Type Mapping, Iskren Ivanov, Lachezar Filchev, Ilina Kamenova **195** Comparing Pearson and Spearman Correlations to Detect Decadal Drought Impacts on semi-arid forests, Filippos Eliades, Silas Michaelides, Chris Danezis, Diofantos Hadjimitsis **197** Associations Between Neighborhood Disadvantage and Arterial Stiffness: Neighborhood Visualization Using GIS in the DEpICT Study, Cyprus, Galatia Photiou, Nicos Middleton, Demosthenes B. Panagiotakos, Loizos P. Hadjipavlis, Neophytos Stylianou, Andrie G. Panayiotou **203** Early detection of foliar diseases in wheat using UAV-based NDVI remote sensing, E.T Mplioukasa, Giorgos Papadavid, Georgios Kountios, Mixalis Chatzidimopoulos **204** Modeling hydrological impacts of wildfires in the Kouris catchment, Josefina Kountouri, Khaoula Khemiri, Anis Chkirbene, Diofantos G. Hadjimitsis, Constantinos F. Panagiotou **209** Wildfire Impact on Agricultural Vegetation and Post-Fire Recovery: A Remote Sensing and GIS Approach in Fokida, Greece, Afroditi Athanasiou, Christos Theocharides, Christiana Papoutsa, Marios Hadjipanagi, Antonis Mavroeidis, Panagiotis Trivellas, Nikolaos Nikoloudakis, Andreas Katsiotis **212** Mitigating Coastal Erosion and Beach Flooding with Environmentally Friendly Solutions Under Climate Change, Despina Makri, Evagoras Evagorou, Demetris Christofi, Diofantos Hadjimitsis, Thomas Hasiotis, Nicholas Kyriakides, Elena Pallari, Christodoulos Mettas **214** Monitoring Land Use and Land Cover Change in the Coastal Region of Burgas (Bulgaria) Using Copernicus Data, Lachezar Filchev, Kamelia Radeva, Zlatomir Dimitrov, Silvia Kirilova **222** Applications of UAV-Based Multispectral Techniques in Archaeology Milen Chanev, Petru Ciocani, Galin Petrov, Iskren Ivanov, Zlatomir Dimitrov, Mihaela Tsvetkova, Lachezar Filchev		

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	230 Assessing Aquatic Vegetation from Satellite Imagery Using Drone Derived Reference Data: A Case Study at Lake Maschsee, Janina Schneider, Christoph Manss, Frederic Stahl **231** Estimating Diffuse Fraction under Dust Conditions in Cyprus, Georgia Charalampous, Rodrigo Amaro e Silva, Rodanthi-Elisavet Mamouri, Diofantos Hadjimitsis, Stelios Kazadzis **242** GEORGIA: Advancing Sustainable Irrigation and Soil Health through AI-Driven Water Management and Circular Resource Use, Diofantos Hadjimitsis, Andreas Anayiotos, Martinos Dimosthenous **255** Assessment of Post-Wildfire Changes in Soil Physicochemical Characteristics in Burned and Unburned Vineyard Soils in Limassol, Cyprus, Zacharias Kouis, Stavroula Dimitriadi, Christiana Papoutsa, Menelaos Stavrinides **256** From Multispectral to Hyperspectral EO: Detecting Early Stress in Olive Groves with EnMAP, Eleni Loulli, Thrasos Stylianou, Ashish Kallikkattil Kuruvila, Marianna Hadjichristodoulou, Volha Dubovik, Menelaos Stavrinides, Christiana Papoutsa **258** Development of a Solar Cadastre Application for Rooftop Photovoltaic Potential Assessment and Optimal System Sizing, Efthymios Georgiou, Georgia Charalambous, Rodrigo Amaro e Silva, Rodanthi Elisavet Mamouri, Christodoulos Mettas, Diofantos Hadjimitsis **261** Fuel Type Mapping Using Multi-Source Earth Observation and Machine Learning: A Case Study in Cyprus, Maria Prodromou, Marios Tzouvaras, Christodoulos Mettas, Ioannis Gitas, Diofantos Hadjimitsis **268** Towards an AI-driven framework for predictive maintenance of reinforced concrete bridges using remote sensing data, Elia Tantele, Renos Votsis, Nicholas Kyriakides **269** Integrating MRR 2 Radar Observations and High Resolution WRF Simulations to Investigate Cloud and Precipitation Structure over Athens, Greece, Panagiotis T. Nastos, Stavros Solomos, Christos Pantazis **270** Soil Salt Dynamics Under Treated Wastewater and Conventional Water Irrigation in Mediterranean Citrus Orchards: A Continuous Sensor-Based Monitoring Approach, Eleni Neofytou, Stelios P. Neophytides, Marinos Eliades, Gina Athanasiou, Theodore Zahariadis, Diofantos G. Hadjimitsis **274** Urban Heat adaptation through earth observation for supporting planning policies in Cyprus, Charalambos Soteriades, Diofantos Hadjimitsis, Silas Michaelides **275** Vegetation Dynamics Analysis Using Semantic Classification and the Cyprus Earth Observation Data Cube, Stelios Neophytides, Martin Sudmanns, Dirk Tiede, Michalis Mavrovouniotis, Diofantos Hadjimitsis **279** The Greek Living Earth: A National Digital Infrastructure for Soil Carbon Monitoring and Climate-Resilient Agriculture, Konstantinos Vasileios Karyotis, Eleni Avramidou, Maria Giortsou, Georgios Galanis, Danai Papadopoulou, Argyro Papastergiou, Dafni Kitsou, Gnostofea Stefanidou, Leventoula Kamataki, Maria Avramopoulou, Apostolia Kamataki, Nikolaos Avramopoulos, Eleni Giannoulakou, Aleksandros Nioras, Georgios Kementzetzidis, Grigorios Varras, Georgios Zalidis **283** Spatiotemporal Soil Erosion Assessment Projections on the Cultural Heritage Sites under Different Climate Change Scenarios: The Case Study of Amathus, Cyprus, Nikoletta Papageorgiou **284** Forest Species Classification Using Hyperspectral Imagery in a Mediterranean Ecosystem, C. S. Atan, I. Gitas, C. Kalaitzidis, N. Georgopoulos **285** GIS in Strategic Health Services Planning: A Systematic Review of Access Oriented Applications in Primary Care, N. Stylianou, G. Photiou, E. Evagorou, C. Mettas **286** Integrating Copernicus Environmental and other Socioeconomic Data into the OMOP Common Data Model for Spatiotemporal Analysis of Hypertension and Comorbidities, P. Patsias, V. Kotsios, C. Georgiades, T. Roustanis, G. Paties, A. Zacharegkas, G.K. Nestorno

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7th Annual Hybrid Excelsior Workshop Earth Observation for Climate Change and Security Applications and Services in the Eastern Mediterranean, Middle East, and North Africa (EMMENA) Agenda Link	
Monday 27/04/2026	
Speaker	Time
Prof. Diofantos Hadjimitsis, Managing Director of ERATOSTHENES Centre of Excellence Welcome	14:00 – 14:10
Dr. Eleni Paliouras, Head of the Strategy, Programme & Coordination Office, ESA Title¿Evolution.of.ESA's.Earth.Observation.Programmes.post_ CM8❶	14:10 – 14:30
Dr. Egbert Schwarz, German Aerospace Center – DLR Title¿Enabling.Near.Real_Time.Maritime.Security.Applications. Through.EarthView.Cyprus.Infrastructure	14:30 – 14:50
Prof. Dan Blumberg, Vice President for Regional & Industrial Development & Simon Family Professorial Chair in Remote Sensing Title¿Earth.Observation.at.the.Climate_Security.Nexus.in.EMMENA·. From.monitoring.to.anticipatory.services.in.the.Eastern. Mediterranean?Middle.East.and.North.Africa	14:50 – 15:10
Dr. Haris Kontoes, Research Director of National Observatory of Athens (NOA) Title¿Towards.a.green.and.digital.era._.Protecting.sustainable. development.and.societal.well_being	15:10 – 15:30
Coffee Break 15:30 – 16:00	
Dr¡.Rodanthi_Elisavet.Mamouri?ERATOSTHENES Centre of Excellence	16:00 – 16:20

Title¿The.Cyprus.Atmospheric.Remote.Sensing.Observatory.[CARO.NF]¿ Advancing.Atmospheric.Research?Innovation?and.European. Integration	
Dr. Michael Falkowski, Earth Fire Alliance Title¿Fire.Intelligence.for.Climate.Security.in.EMMENA	16:20 – 16:40
Prof. Andreas Anayiotos?ERATOSTHENES Centre of Excellence & Cyprus University of Technology Title¿Eratosthenes.Centre.of.Excellence.infrastructure.and. Knowhow.in.the.development.of.Climate.Change.and.Security. Applications.and.Services.in.the.EMMENA.region¡	16:40 – 17:00
Dr. Thomas Krauss,.The German Aerospace Center (DLR) Title¿Creating.a.Strong.Rain.Danger.Map.for.Cyprus	17:00 – 17:20
Dr. Kyriacos Themistokleous?ERATOSTHENES Centre of Excellence Title¿Earth.Observation.Ground.Segment.Operations¿Earth.View. Cyprus	17:20 – 17:40
.211 Human Capital, AI Readiness and STEM Capability in Earth Observation Centres of Excellence: Towards a Talent and Skills Framework for Organisational Excellence, Vana.Ioanna.Karagianni?. Athanasios.Drigas?Ioannis.Gitas.- .Case.study.for.ERATOSTHENES	17:40 – 17:50

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SmartPLAIGO

Final Workshop

Presentation of Results, Pilot Actions, and Future Strategies

Date & Time: Tuesday, April 28th 2026 | 09:00 – 14:00

Directions: Aliathon Resort, Paphos City, Cyprus

Register Here

Timeslot	Topic
09:00 – 09:30	**Registration & Welcome Coffee**
09:30 – 09:45	**Salutations & Introduction** • **Dr Maria Anastasiadou**, Principal Investigator, Researcher B, Big Earth Data Analytics Department, ERATOSTHENES Centre of Excellence • **Dr Riana Constantinou**, Director of Ambulance Services, Cyprus State Health Services Organization (SHSO) • **Dr Efthyvoulos Kyriacou**, Assis. Professor, Dep. of Electrical Engineering, Computer Science & Engineering | Head of the eHealth Laboratory, CUT
09:45 – 10:05	**Presentation of the SmartPLAIGO Project** • **Dr Maria Anastasiadou**, ERATOSTHENES Centre of Excellence
10:05 – 10:25	**SmartPLAIGO Platform Technologies and Optimization Algorithms** • **Dr Michalis Mavrovouniotis**, Deputy Coordinator, Big Earth Data Analytics Department, ERATOSTHENES Centre of Excellence
10:25 – 11:00	**SmartPLAIGO System Demonstration: Integration with AVARIS & Platform Functionalities** • **Stelios Mappouras**, Assis. Researcher B, Stremble LTD
11:00 – 11:30	**Coffee Break**
11:30 – 12:00	**Pilot Actions and Professional Drill Exercises** • **Michalis Gemenaris**, Assis. Researcher B, Stremble LTD
12:00 – 12:20	**Feedback from End Users and Stakeholders** • **Jude Brian Ramesh**, Researcher, Big Earth Data Analytics Department, ERATOSTHENES Centre of Excellence
12:20 – 12:40	**Exploitation of Results, Collaborations & Future Directions** • **Georgia D Liapi**, Research Associate, eHealth Laboratory, CUT
12:40 – 13:00	**Open Dialogue with Stakeholders & Future Steps** • Questions and comments from participants • Discussion on future collaborations and operational exploitation
13:00 – 14:00	**Closing Remarks** Lunch

This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 857510.

This project has received funding from the Government of the Republic of Cyprus through the Directorate General for the European Programmes, Coordination and Development as well as the Cyprus University of Technology.

Event Agenda

CAMS NCP Cyprus: Air Quality Data and Digital Platforms for Operational Decision Making

Date & Time: Wednesday, 29 April 2026 | 09:00 – 14:00

Location: Aliathon Resort, Paphos City, Cyprus

Event Registration

Time	Topic
09:00 – 09:30	**Registration and coffee**
09:30 – 09:55	**Opening and Welcome** • **Dr Silas Michaelides**, Chief Operating Manager, Eratosthenes Center of Excellence • **Dr. Filippos Tymvios**, Director of the Department of Meteorology • **Dr. Jonilda Kushta**, Project Officer of CAMS NCP, ECMWF
09:55 – 10:10	**Cyprus and CAMS NCP** • **Dr Maria Anastasiadou**, Eratosthenes Center of Excellence
10:10 – 11:00	**Work Packages and Scheduled Activities** • WP20 – Direct Use of CAMS Products ○ **Mr. Jude Brian Ramesh**, ERATOSTENIS Center of Excellence • WP30 – National Downscaling of CAMS Air Quality Products ○ **Dr. Charalambos Chrysostomou**, Eratosthenes Center of Excellence • WP60 – Communication and User Outreach ○ **Mr. Orestis Livadiotis**, Eratosthenes Center of Excellence • WP80 – Health Demonstrator Development ○ **Dr Maria Anastasiadou,** Eratosthenes Center of Excellence
11:00– 11:30	**Coffee break**
11:30 – 12:30	**Practical Platform Demonstration, Dust Data Cube** • **Presentation of basic functions and utilization possibilities** ○ **Mr. Jude Brian Ramesh**, ERATOSTENIS Center of Excellence
12:30 – 13:00	**Open Discussion with Stake holders & Next Steps** • Recording needs and comments • Suggestions for collaboration and training • Next steps
13:00 – 14:00	**Event Closing** Lunch

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12th International Conference on Remote Sensing and Geoinformation of Environment Conference

The Earth Observation Data Ground Station in Cyprus Workshop Strengthening Cyprus's Role in European Earth Observation Operations

Time	Title	Speaker
09:30 - 09:45	**Enhancing Earth Observation Capacity in Cyprus with a 9 m S/X/Ka-Band Antenna**	Kyriacos Themistocleous
09:45 - 10:00	**The Earth Observation Data Ground Station in Cyprus: Strengthening Cyprus's Role in European Earth Observation Operations**	Egbert Schwarz
10:00 - 10:15	**CYTA's Infrastructure and Capabilities**	Sotiris Alexandrou
10:15 - 10:30	**Technical Analysis of EarthView Capabilities**	Nicos Christoforou
10:30 - 11:00	**Discussion, Questions, and Future Needs**	

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SPACE AND TRUSTWORTHY ARTIFICIAL INTELLIGENCE WORKSHOP

ENFIELD - Space and Trustworthy AI Workshop

28-29 APRIL 2026, PAPHOS, CYPRUS

TUESDAY 28 APRIL 2026

11:30 - 12:00	WELCOME (Michalis Mavrovouniotis, Georgios Spathoulas)
12:00 - 12:30	A Reliable Remote Sensing-based Framework for Vessel Detection - Abubaker Gaber
12:30 - 13:00	Towards Reliable Foreign Object Debris Detection for Urban Air Mobility - Ignacio
13:00 - 14:00	LUNCH BREAK
14:00 - 14:30	Trustworthy AI Pillar - Georgios Spathoulas
14:30 - 15:00	Space Industrial Domain - Stelios Neophytides
15:00 - 15:30	Applying the Safety and Security Risk Assesment Framework - Francois Picard
15:30 - 16:00	COFFEE BREAK
16:00 - 16:30	HYPERBOLA - Paraskevi Vourlioti
16:30 - 17:00	Adria Amell - A machine-learned 3D cloud climatology from satellite observations to close spatiotemporal gaps
17:00 - 17:30	Security of AI Agents - Abdul Aziz Maiga

WEDNESDAY 29 APRIL 2026

09:30-10:00	SETTLING DOWN
10:00 - 10:30	Managing AI Bias in Complex Web Systems - Sebastian Heil
10:30 - 11:00	The integrity challenge of the AIaaS Model - Georgios Spathoulas
11:00 - 11:30	COFFEE BREAK
11:30 - 12:00	Kyriakos Aristidou - Label-Free Ship Detection in Sentinel-1 SAR Using Contextual Background Suppression Konstantinos Christofi - Toward On-Board Oil Spill Monitoring: Compact Sentinel-2 Band Sets from Data-Driven Feature Ranking
12:00 - 12:30	Astik Samal - ENFIELD AI policies pertinent to Trustworthy AI and the elaboration of Space AI policies
12:30 - 13:00	Discussions - Closing

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Interreg Ελλάδα – Κύπρος

ECO-BEACHTECH

Workshop: ECO-BEACHTECH

Αντιμετώπιση της παράκτιας διάβρωσης και πλημμύρας παραλιών τουριστικής και οικολογικής σημασίας με περιβαλλοντικά φιλικές μεθόδους, υπό το πρίσμα της κλιματικής αλλαγής με ακρώνυμο ECO-BEACHTECH

Addressing coastal erosion and flooding of beaches with tourist and ecological importance using environmentally friendly methods in light of climate change with Acronym - ECO-BEACHTECH Workshop

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Τοποθεσία: Aliathon Holiday Village, Πάφος, Κύπρος
Ημερομηνία: **28 Απριλίου 2026**
Ώρα: 11:30 – 13:00
Εκδήλωση: **12ο Διεθνές Συνέδριο για την Τηλεπισκόπηση και τη Γεωπληροφορική Περιβάλλοντος**
Διοργάνωση: Στο πλαίσιο της Πράξης **ECO-BEACHTECH**
Φορέας: Κέντρο Αριστείας ΕΡΑΤΟΣΘΕΝΗΣ

Ατζέντα Workshop

11:30 – 11:35
- Καλωσόρισμα από τον Δρ. **Χριστόδουλο Μέττα**

(Συντονιστής- Δικαιούχος 3 της Πράξης)

11:35 – 11:40
- Χαιρετισμός από τον Καθηγητή **Θωμά Χασιώτη**

(Κύριος Δικαιούχος της Πράξης)

11:40 – 12:10
- Παρουσίαση της Πράξης **ECO-BEACHTECH**

(στόχοι, μεθοδολογία και αναμενόμενα αποτελέσματα)

12:10 – 13:00
- Ανοιχτή συζήτηση με ενδιαφερόμενους φορείς

(ανταλλαγή απόψεων, προκλήσεις και προοπτικές εφαρμογής)

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www.ecobeachtech.gr | ΠΑΝΕΠΙΣΤΗΜΙΟ ΑΙΓΑΙΟΥ | ΠΕΡΙΦΕΡΕΙΑΚΟ ΤΑΜΕΙΟ ΑΝΑΠΤΥΞΗΣ ΒΟΡΕΙΟΥ ΑΙΓΑΙΟΥ | ERATOSTHENES | ΔΗΜΟΣ ΑΚΑΜΑ AKAMAS MUNICIPALITY

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Under the auspices of:

Agenda: RSCy 2026 Industry Session

by the Technology Transfer Office & Space BIC, ERATOSTHENES CoE

Tuesday, 28 April 2026 - Aliathon Hotel Resort, Paphos or Online

Part of the RSCy 2026 12th International Conference on Remote Sensing and Geoinformation of the Environment (https://rscy2026.com/)

Free admission to the Industry Session but Registration is required: https://wkf.ms/46kYsc0

[Coordination & Info: Andreas Andreou andreas.andreou@eratosthenes.org.cy]

14:00 – Welcome Remarks

Prof. Andreas Anayiotos, Director, Technology Transfer Office, ERATOSTHENES CoE.
Mrs. Eleni Paliouras, Head of the Strategy, Programme and Coordination Office, Directorate of Earth Observation Programmes, European Space Agency (ESA).

14:15 – 15:30 – Earth Observation & Space Applications Panel

A session and panel discussion on Earth Observation and space-based technology applications, featuring selected Eratosthenes CoE collaborators and leading industry organizations.

Moderator:

Mr. Christian Gihr, President,
Cyprus–German Business Association

Esteemed panellists:

Mr. Andreas Tsouloftas, President,
Limassol Chamber of Commerce and Industry

Professor Nikolaos Dimitratos,
Department of Industrial Chemistry "Toso Montanari"
Alma Mater Studiorum - Bologna University

Mr. Caio Miranda *(Remote participation),*
Director of Sales EMEA, Pixxel Space Technologies

Mr. Nikos Christoforou,
Head of Radio Access Network, Cyta

Mr. Gerasimos Ntouskas,
Board Member, Technology Consulting, KPMG Cyprus & Space BIC Mentor

15:30 – Break & Networking

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Under the auspices of:

16:00 – 17:15 – Space BIC by ERATOSTHENES CoE: Advancing Space-based Entrepreneurship under the Cyprus EU Presidency Panel

A dedicated session on the **Space BIC** program, featuring short pitches by our selected startups. Then, Leading Experts from the space sector and the entrepreneurship ecosystem of the EU and Cyprus will contribute to strengthening the space innovation landscape in Cyprus and the EMMENA region, while showcasing Cyprus' ESA Associate Membership and its active role during the current EU Presidency.

Moderator:

Dr. Eleni Loulli,
Space BIC Coordinator & Researcher, ERATOSTHENES CoE

Space BIC Startups Pitches:

Esteemed panellists:

Dr. Eleni Paliouras,
Head of the Strategy, Programme and Coordination Office, Directorate of Earth Observation Programmes,
European Space Agency (ESA)

Mr. Andronikos Kakkouras,
Acting Director Department of Electronic Communications, Cyprus Space Office & Department of Electronic Communications, Deputy Ministry of Research, Innovation and Digital Policy

Dr. Dirk Roland Haupt,
Minister Counselor and Deputy Chief of Mission,
German Embassy Nicosia & Space BIC Mentor

Ms. Maria Markidou Georgiadou,
Managing Director, Cyprus Seeds

Mr. Moyses Moyseos
Incubator Manager, Gravity Ventures – CyRIC & Space BIC Mentor

Ms. Panayiota Georgiou
Board Member, KPMG Law & Space BIC Mentor

17:15 – Closing Remarks

Dr. Mahmoud Mardini, Project & Research Support Manager, ERATOSTHENES CoE & Space BIC.
Mr. Andreas Andreou, Business Development & Technology Commercialization Executive, ERATOSTHENES CoE & Space BIC.

17:30 – Networking

20:00 – RSCy 2026 Social Dinner (optional):
A traditional Cyprus dinner in Paphos (venue to be announced).

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Registration (8:30-9:15)		
Time	**Subject**	**Speaker**
Opening Session		
09:15 - 09:20	Welcome remarks by UN-SPIDER	Mr Lorant Czaran *Chief, Space Applications Section*
09:20 - 09:25	Welcome remarks by ERATOSTHENES CoE	Dr. Marios Tzouvaras *Research Coordinator*
Earth Observation and Geospatial Technologies for Disaster Risk Reduction		
09:25 - 09:35	CyCLOPS: A Strategic Research Infrastructure Unit for Geohazards Monitoring in Cyprus and the Southeastern Mediterranean Region	Prof. Chris Danezis
09:35 - 09:45	Applicability of multivariate statistical approaches in flood mapping and planning	Dr. Constantinos Panagiotou
09:45 - 09:55	Geospatial Technologies in Strengthening Epidemic Preparedness and Response	Dr. Neophytos Stylianou Dr. Galatia Photiou
09:55 - 10:05	Coastal Erosion Monitoring with Earth Observation	Mr. Demetris Christofi
10:05 - 10:15	Remote Sensing Technologies for Wildfire Monitoring and Management in Cyprus	Dr. Maria Prodromou
10:15 - 10:25	Earthquake Risk Assessment in Cyprus	Prof. Nicholas Kyriakides
10:25 - 10:35	Landslide Susceptibility Mapping Using Artificial Intelligence and Multi-Source Data Fusion: Applications and Case Studies	Dr. Kyriaki Fotiou
OPEN DISCUSSION (10:35-10:45)		
10:45 - 11:00	**Panel Discussion: Earth Observation based services for forest fires** **Panelists:** Prof. Ioannis Gitas, Aristotle University of Thessaloniki | Dr. Michael Falkowski, Earth Fire Alliance | Mr. Ioannis Lantouris, OroraTech | Mr. Lorant Czaran, UN-SPIDER	

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Cyprus University of Technology
This project is co-funded by the Cyprus University of Technology.

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12th International Conference on Remote Sensing and Geoinformation of Environment Conference

27-29 April 2026, Aliathon Holiday Village, Paphos, Cyprus
https://rscy2026.com/

Agenda

Tuesday, 28 April 2026 | Room: Poseidon

"Synergies Across Cross-Thematic Projects:
Advancing Environmental Sustainability from Local Contexts to Scalable Impact"

Aliathon Holiday Village, Paphos, Cyprus

Meeting link

This Session is organised by:	EXCELSIOR Carbonica	
	5th CARBONICA Brain Gain Conference "From Diaspora Insights to Local Action: Advancing Carbon Farming for Resilient Agriculture in Cyprus"	**Chair:** Christiana Papoutsa **Co-chair:** George Papadavid
09:15 – 09:20	**Welcoming Remarks**	**Dr Christiana Papoutsa** | Deputy Coordinator of the Environment & Climate Department, *ERATOSTHENES Centre of Excellence (ECoE)* | Cyprus
09:25 – 09:35	**The CARBONICA project: A Multi-Actor Approach through Engagement, Capacity Building and Field Implementation**	**Dr Maria Prantsidou** | Researcher, *ERATOSTHENES Centre of Excellence (ECoE)* | Cyprus

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09:35 – 09:50	**Oenotrace: From Field to Bottle – Monitoring Carbon in Vineyards**	**Keynote speaker-diaspora** **Dr Nikolaos Tsoulias**| Senior researcher and lecturer, *Hochschule Geisenheim University*|Germany
09:50 – 10:50	**Panel Discussion:** **"How can carbon farming practices support the resilience and sustainability of agricultural sector?"**	
	• **Moderator: Dr George Papadavid** | Officer, *Agricultural Research Institute - Cyprus Ministry of Agriculture, Rural Development and Environment* (CY) **Panelists:** • **Diaspora Expert: Dr Nikolaos Tsoulias** | Senior Researcher and Lecturer, *Hochschule Geisenheim University* (GER) • **Academia: Dr Marinos Stylianou** | Assistant Professor, *Faculty of Pure and Applied Sciences, Lab of Chemical Engineering and Engineering Sustainability - Open University of Cyprus (CY)* • **Policy: Mr George Theophanous** | Officer, *Department of Agriculture - Cyprus Ministry of Agriculture, Rural Development and Environment* (CY) • **Industry: Mr Nikos Larkos** | Agronomist & Managing Director, *AgroTech Innovations Ltd* (CY) • **Farming Sector: Mr Nakis Kyprianou** | New Farmer, *Agros Village* (CY) • **Civil Society/NGO: Mrs Sofia Matsi** | Executive Director, *Cyprus Environment Foundation* (CY)	
10:50 – 11:00	**Q&A | Concluding Remarks**	
11:00 – 11:30	**Coffee Break**	
This Session is organised by:	EXCELSIOR, CERBERUS, Eco Ready, NOSTRADAMUS	
	Integrated Plant Health, Pest Management and Preparedness for Food Security	**Chair:** Menelaos Stavrinides **Co-chair:** Maria Prantsidou
11:30 – 13:00	**182** Who Owns What You See from Space? Remote Sensing and Data Rights, **Michael Chatzipanagiotis** **186** Monitoring the Phenological Cycle of Olive (cv. 'Koroneiki') Using High-Resolution Satellite Time Series: A Region-Specific Transferable Approach; **Thrasivoulos Stylianou**, Ashish Kallikkattil Kuruvila, Marianna Hadjichristodoulou, Volha Dubovik, Eleni Loulli, Francisco Rovira-Más, Loukas Kanetis, Menelaos Stavrinides, Diofantos Hadjimitsis, Christiana Papoutsa **259** Exploring the Relationship Between Sentinel-2 Vegetation Indices and Microclimate Variability in a Citrus Orchard, **Marianna Hadjichristodoulou**, Ashish Kallikkattil Kuruvila, Thrasos Stylianou, Volha	

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	Dubovik, Eleni Loulli, Francisco Rovira-Más, Marinos Eliades, Menelaos Stavrinides, Diofantos Hadjimitsis, Christiana Papoutsa **224** High-Resolution Satellite Mapping of Citrus Orchards: Tree Detection and Canopy Cover Assessment; **Ashish Kallikkattil Kuruvila**, Marianna Hadjichristodoulou, Thrasos Stylianou, Diofantos Hadjimitsis, Eleni Loulli, Menelaos Stavrinides, Volha Dubovik, Iason Tsardanidis, Ilias Tsoumas, Christiana Papoutsa **205** A Socio-Economic Decision-Support Tool for Sustainable Agricultural Policy, **Daria Loginova**, Sabine Hoidn, Ioannis Varvaris, Stefan Mann **188** Monitoring Cropland Recovery After Flooding Using Multi-Sensor Satellite Time Series: Case Study for the Lake Karla Basin, Greece, **Marios Hadjipanagi**, Christos Theocharides, Christiana Papoutsa, Afroditi Athanasiou, Antonis Mavroeidis, Panagiotis Trivellas, Nikolaos Nikoloudakis, Andreas Katsiotis **227** SAR-Based Change Detection of the February 2026 Evros Floods (Greece) in Google Earth Engine with PlanetScope Integration for Agricultural Impact Assessment, **Christos Theocharidis**, Christiana Papoutsa, Marios Hadjipanayi, Afroditi Athanasiou, Antonis Mavroeidis, Panagiotis Trivellas, Nikolaos Nikoloudakis, Andreas Katsiotis **244** A Low-Code Paradigm for Rapid Development of Cyber-Physical Applications in the Food Security Domain: The Nostradamus Approach, **Konstantinos Panayiotou**, Emmanouil Tsardoulias, Theodoros Tsampouris, Ioannis Gkountras, Themistoklis Diamantopoulosa, Andreas Symeonidis **266** Nostradamus enabling data-driven sustainable agriculture in Europe through interoperable Data Cubes and multi-actor digital innovation, **Ioannis Varvaris**, Stelios Neophytides, Menelaos Stavrinides, Stavroula Dimitriadi, Eleni Loulli, Thrasos Stylianou, Thomaida Polydorou, Diofantos Hadjimitsis
13:00 – 14:00	**Lunch Break**
This Session is organised by:	EXCELSIOR, Carbonica, NEMESIS, DigiFarm, GEORGIA, AfroGrow
	Living Labs Cultivating Soil and Water Resilience through Innovation for Sustainable Agriculture **Chair:** Ioannis Varvaris **Co-chair:** Marinos Eliades
14:00 – 15:30	**207** Land-Use Composition and Socio-Economic Dynamics in Sub-Saharan Africa: Evidence from the AfroGrow Project Countries, **Daria Loginova** **208** Assessing the spatial transferability of GEDI–AlphaEarth Embedding-based biomass models from Kenya to AfroGrow Living Lab Landscapes, **Dhouha Ouerfelli**, Youssef Nadhyf, Ioannis Varvaris, Diofantos Hadjimitsis **264** AfroGrow transforming AU agroforestry systems through Living Labs and FNSSA-driven business model innovation, **Ioannis Varvaris**, Zampela Pittaki, Dhouha Ouerfelli, Youssef Nadhyf, Roland Richard Sier, Diofantos Hadjimitsis

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	265 Nemesis Soil Health Living Labs for Combating Desertification in Mediterranean Landscapes, **Ioannis Varvaris**, Dhouha Ouerfelli, Youssef Nadhyf, Dimitrios Koumoulidis, Eleni Neofytou, Marinos Eliades, Orestis Rizopoulos, Valeria Tsirou, Diofantos Hadjimitsis **240** DigiFarm: Assessing Digital Training Needs of Agricultural Advisors in Europe; **Maria Prantsidou**, A. Iachetti, M. Hadjichristodoulou, T, Stylianou, E. Loulli, C. Papoutsa, D. Hadjimitsis, S. Papadopoulos, S. Theodoridis, D. Bormpoudakis, C. Kontoes, A. Tsafara, D. Argyropoulos, M. Stavrinides **249** Carbon Farming Practices in Cereal Crops: Effects of Compost and Straw Application on Soil Health, **Stavroula Dimitriadi**, Maria Prantsidou, Michalakis Christoforou, Styliana Efstathiou, Diofantos Hadjimitsis, George Papadavid, Menelaos Stavrinides, Marios Tzouvaras, Christiana Papoutsa **267** An Event-Driven AI Architecture for Transforming Heterogeneous Food System Data into Policy Intelligence, **Athanasios Michailoudis**, Themistoklis Diamantopoulos, Dimitrios-Nikitas Nastos, Andreas Symeonidis
15:30 – 16:00	**Coffee Break**
This Session is organised by:	EXCELSIOR, LANDSHIFT, PLIOSE, TUNING, CARO, ATARRI
	Connecting Atmosphere, Land Use and Solar Dynamics for Climate-Resilient Landscapes **Chair:** Rodanthi Elisavet Mamouri **Co-chair:** Ioannis Varvaris
16:00 – 17:30	**248** High-Resolution Validation of MONARCH Dust forecasts during strong dust episodes: Leveraging EarthCARE ATLID and CARO NF measurements, **Konstantinos Chrysostomou**, George Kotsias, Emanuele Emili, Tito Vintimilla Santiago Cruz, Maria Poutli, Diofantos Hadjimitsis, Rodanthi-Elisavet Mamouri **170** Evaluating EarthCARE's MSI and ATLID Aerosol Products Against Ground-Based Sunphotometer and Lidar Observations, **Aspasia Pallikaridou**, Georgios Kotsias, Rodanthi Elisavet Mamouri, Kyriaki Papachristopoulou, Stelios Kazadzis **206** Land-Use Change and Socio-Economic Outcomes: A Global Longitudinal Assessment, **Daria Loginova**, Stefan Mann, Sabine Hoidn, Ioannis Varvaris **165** Climate-informed spatial prioritization for the conservation of Emys orbicularis in Greece, **Youssef Nadhyf,** Dhouha Ouerfelli, Ioannis Varvaris, Antonios D. Mazaris, Diofantos Hadjimitsis **149** Spatial Patterns of Urban Sprawl in the Larnaca Metropolitan Area Using Landscape Metrics and the GLAD Global Land Cover and Land Use Change dataset, **Dimitrios Koumoulidis**, Ioannis Varvaris, Diofantos Hadjimitsis **225** Wildfire smoke cases detected by the PollyXT Lidar at the CARO Limassol station: EarthCARE capabilities for detecting Smoke, **Maria Poutli**, Hossein Panahifar, George Kotsias, Diofantos Hadjimitsis, Moritz Haarig, Rodanthi-Elisavet Mamouri **228** The influence of agrometeorological factors on irrigated Citrus trees, **Marinos Eliades**, Constantinos Panagiotou, Ioannis Varvaris, Eleni Neofytou, Stelios Neophytides

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	247 Layer-Resolved Retrieval of 3-Mode Aerosol Optical and Microphysical Properties Using GRASP Lidar-photometer synergy in Limassol, Cyprus, **Athina Savva**, Konstantinos Chrysostomou, Anton Lopatin, Diofantos Hadjimitsis, Rodanthi-Elisavet Mamouri

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Appendix F: Agenda of the 41st EARSeL Symposium



Organisers

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Final Programme

41st EARSeL Symposium 2022

Date: Tuesday, 13/Sept/2022

9:00am - 10:30am	**OC: Opening Ceremony** Location: **Aphrodite Hall**	
10:30am - 11:00am	**KS1: Keynote Speech** Location: **Aphrodite Hall** Keynote Speaker: Prof. Ioannis Gitas, Aristotle University of Thessaloniki Title: "EO Applications in Forest Fire Management - A European Mediterranean perspective"	
11:00am - 11:30am	**Coffee Break** Location: **Arion Bar**	
11:30am - 1:00pm	**S_CC: Climate Change and Desertification** Location: **Adonis** Chair: **Dr. Felix Bachofer**	**SS_WM: Special Session - Wildfires Monitoring** Location: **Aphrodite Hall** Chair: **Prof. Arnon Karnieli** Chair: **Dr. Manuel Salvoldi**
	Four Decades of Geophysical Land, Ocean and Atmosphere Products over Europe to Answer Climate-related Questions - the TIMELINE Project **Stefanie Holzwarth[1], Asam Sarah[1], Bachmann Martin[1], Böttcher Martin[2], Sophie Reinermann[1], Dietz Andreas[1], Eisfelder Christina[1], Hirner Andreas[1], Hofmann Matthias[1], Kirches Grit[2], Krause Detmar[1], Meyer-Arnek Julian[1], Plank Simon[1], Popp Thomas[1], Reiners Philipp[1], Rößler Sebastian[1], Rupert Thomas[1], Scherbachenko Alexander[1], Wolfmüller Meinhard[1]** 1: DLR, Germany; 2: Brockmann Consult GmbH	**Understanding Fire Dynamics Using FRP: The GEO Perspective** **Simon Jones, Kostas Chatzopoulos-Vouzoglanis, Karin Reinke, Mariela Soto-Berelov, Chermelle Engel** RMIT UNIVERSITY, Australia
	Monitoring Drought Events In Germany And Cyprus Using More Than 20 Years Of MODIS Data **Ursula Gessner[1], Sophie Reinermann[2], Sarah Asam[1], Ioannis Varvaris[3], Eleni Loulli[3,4], Felix Bachofer[1], Diofantos Hadjimitsis[3,4], Claudia Kuenzer[1]** 1: German Aerospace Center, Germany; 2: University of Würzburg, Germany; 3: ERATOSTHENES Centre of Excellence, Limassol, Cyprus; 4: Cyprus University of Technology, Limassol, Cyprus	**Satellite-based Detection of Potential Post-fire Regime Shifts in Multiple Dimensions of Ecosystem Functioning** **Bruno Marcos[1], João Gonçalves[2], Domingo Alcaraz-Segura[3], Mário Cunha[4], João P. Honrado[5]** 1: CIBIO-InBIO/BIOPOLIS (University of Porto); 2: CIBIO-InBIO/BIOPOLIS (University of Porto), proMetheus (IPVC); 3: iecolab-IISTA & Dept. of Botany (University of Granada), CAESCG (University of Almería); 4: DGAOT-FCUP & INESC TEC (University of Porto); 5: DBio-FCUP & CIBIO-InBIO/BIOPOLIS (University of Porto)
	Light Pollution in Selected Polish Cities Using VIIRS and Census Data **Wojciech Łachowski, Aleksandra Łęczek** Institute of Urban and Regional Development, Poland	**Wildfire Damage Assessment Over Arakapas Village In Cyprus Using Sentinel-2 Imagery.** **Maria Prodromou[1,2], Kyriacos Themistocleous[1,2], Chris Danezis[1,2], Ioannis Gitas[3], Hadjimitsis Diofantos[1,2]** 1: Department of Civil Engineering and Geomatics, Cyprus University of Technology, Limassol, Cyprus; 2: ERATOSTHENES Centre of Excellence, Limassol, Cyprus; 3: Department of Forestry, Laboratory of Forest Management and Remote Sensing, Aristotle University of Thessaloniki, Greece
	Correlation Of Abrupt Shifts In Forest Phenology With Amplitude Changes In Sentinel-1 SAR Data And Land Surface Temperature From Landsat-8 **Christos Theocharidis[1,2], Chris Danezis[2,1], Ioannis Gitas[3], Diofantos Hadjimitsis[2,1]**	

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	1: ERATOSTHENES Centre of Excellence, Cyprus; 2: Cyprus University of Technology, Department of Civil Engineering and Geomatics, Cyprus; 3: Aristotle University of Thessaloniki, School of Forestry and Natural Environment, Greece	**Spatial Consistency Regularized Weakly-Supervised Deep Learning for Wildfire Burned Area Mapping with Low-Resolution Labels** **Puzhao Zhang, Yifang Ban** KTH Royal Institute of Technology, Sweden
		Mapping Wildfire Scares – NDVI vs. NBR vs. AFRI **Arnon Karnieli, Manuel Salvoldi** Ben Gurion University, Israel
1:00pm - 2:00pm	**Lunch Break** Location: **Pantheon Restaurant**	
2:00pm - 4:00pm	**P1: Poster Session (5-Slides Presentations)** Location: **Aphrodite Hall** Chair: **Dr. Argyro Nisantzi**	
		Ecological Impacts of Wildfire Severity and Pyrodiversity Quantified with Remote Sensing and Deep-Learning **Xi-Lillian Pang[1], Puzhao Zhang[2], Ulla Mörtberg[1], Yifang Ban[2]** 1: Department of Sustainable Development, Environmental Science and Engineering. KTH Royal Institute of Technology, Sweden; 2: Division of Geoinformatics. KTH Royal Institute of Technology, Sweden.
		A Long-Term Spatiotemporal Analysis Of Biocrusts Across A Diverse Arid Environment: The Case Of The Israeli-Egyptian Sandfield **Klil Noy[1], Noa Ohana-Levi[1,2], Natalya Panov[1], Micha Silver[1], Arnon Karnieli[1]** 1: The Remote Sensing Laboratory, French Associates Institute for Agriculture and Biotechnology of Drylands, The Jacob Blaustein Institutes for Desert Research, Ben-Gurion University of the Negev, Israel; 2: Independent researcher, Ashalim, 85512, Israel
		Evaluation Of Open-Source Data And Remote Sensing Techniques For Spatially Explicit Very High-Resolution Soil Sealing Information In North-Rhine Westphalia (Western Germany) **Jan-Philipp Langenkamp, Christian Daniel, Andreas Rienow** Ruhr-University Bochum, Germany
		Joint Exploitation of Sentinel-1 and Sentinel-2 Temporal Composites for Land Cover and Crop Type Mapping **Giorgos Begkos, Christina Karakizi, Konstantinos Karantzalos** National Technical University of Athens, Remote Sensing Laboratory, Greece
		Local Climate Zone Mapping for Climate Mitigation and Adaption **Benjamin Bechtel[1], Matthias Demuzere[1], Jonas Kittner[1], Panagiotis Sismanidis[1], Gerald Mills[2]** 1: Ruhr-University Bochum, Germany; 2: University College Dublin, Ireland
		Detecting ships in the Cyprus region using Sentinel-1 SAR data: A comparison of results using Sentinel Application Platform (SNAP) and Arc GIS Pro - deep learning **Eleftheria Kalogirou[1], Diofantos G. Hadjimitsis[1,2], George Melillos[1,2]**

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1: Department of Civil Engineering and Geomatics, Cyprus University of Technology, Limassol, Cyprus; 2: ERATOSTHENES Centre of Excellence, Limassol, Cyprus

Flood Risk Assessment in catchment areas in Cyprus using Earth Observation

Iosifina Kountouri[1,2], Evagoras Evagorou[2,1], Christodoulos Mettas[1,2], Christiana Papoutsa[1,2], Chris Danezis[1,2], Haris Kontoes[3], Argyro Nisantzi[1,2], Kyriacos Themistocleous[2,1], Silas Michaelides[2,1], Diofantos Hadjimitsis[1,2]
1: Department of Civil Engineering and Geomatics, Cyprus University of Technology, Limassol, Cyprus; 2: ERATOSTHENES Centre of Excellence, Cyprus; 3: National Observatory of Athens, Beyond Centre of Excellence, Athens, Cyprus

Advanced Training Course On Remote Setting For Educators At The Junior Academy Of Sciences Of Ukraine

Svitlana Babiichuk[1], Olga Tomchenko[2], Natalia Kobliuk[1]
1: National Center "Junior Academy of Sciences of Ukraine", Kyiv, Ukraine; 2: State Institution "Scientific Centre for Aerospace Research of the Earth of the Institute of Geological Sciences of the National Academy of Sciences of Ukraine", Kyiv, Ukraine

Belgian Experience In The Eagle LULUCF Cross Border Mapping Exercise

Benjamin Beaumont[1], Nathalie Stéphenne[2], Johannes Van Geertsom[3], Stefan Kleeschulte[4]
1: Institut Scientifique de Service Public - ISSeP, Remote Sensing and Geodata Unit,; 2: Service Public de Wallonie - SPW, Geomatic Department, Belgium; 3: National Geographic Institute – NGI, Belgium; 4: Space4Environment, Luxembourg

Assessing the consistency of forest biophysical parameters retrieved from Sentinel-2, Landsat-8 and GEDI in Central Germany

Birgitta Putzenlechner[1], Federico Filipponi[2], Philipp Koal[3], Iris Jeuffrard[4], Martin Kappas[1]
1: Georg-August-Universität, Göttingen, Germany; 2: Institute for Environmental Protection and Research (ISPRA), Rome, Italy; 3: Forestry Research and Competence Center ThüringenForst, Gotha, Germany; 4: National School of Geographic Sciences (ENSG), Champs-sur-Marne, France

Wood Decay Detection In Norway Spruce Trees With Multitemporal PlanetScope Data Analysis

Michele Dalponte[1], Yady Tatiana Solano-Correa[2], Hans Ole Ørka[3], Erik Næsset[3], Terje Gobakken[3]
1: Fondazione Edmund Mach, Italy; 2: University of Cauca, Colombia; 3: Faculty of Environmental Sciences and Natural Resource Management, Norwegian University of Life Sciences, Norway

Integration of Terrestrial Laser Scanning (TLS) and Airborne Laser Scanning (ALS) Processed Data for fhe Assessment of Norway Spruce Dendrometric Characteristics – a Case Study

Bogdan Apostol[1], Adrian Lorent[1,2], Serban Chivulescu[1], Albert Ciceu[1,2], Marius Petrila[1], Florin Capalb[1,2], Cristiana Marcu[1], Ovidiu Badea[1,2]
1: National Institute for Research and Development in Forestry (INCDS) "Marin Drăcea", Romania; 2: "Transilvania" University of Braşov, Faculty of Silviculture and Forest Engineering, Braşov, Romania

Assessment Of GEDI Data For Its Use In Deriving Remote-Sensing-Based 3D Forest Information

Florian Josef Lippl[1], Manuela Hirschmugl[1,2]
1: University of Graz, Austria, Austria; 2: Joanneum Research, Institute DIGITAL, Graz, Austria

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	Integration of Canopy Height Models Derived from Airborne LiDAR Data and UAV Aerial Imagery by DTM-DSM Matching in the Forest Free Areas **Bogdan Apostol[1], Marius Petrila[1], Juan Garcia Duro[1], Adrian Lorent[1,2], Florin Capalb[1,2], Cristiana Marcu[1], Sorina Farcas[1]** 1: National Institute for Research and Development in Forestry (INCDS) "Marin Drăcea", Voluntari, Romania; 2: Transilvania" University of Braşov, Faculty of Silviculture and Forest Engineering
	Comparison of PRISMA and Sentinel-2 Imagery for Detection of Agricultural Areas **Francesco Pirotti[1], Mario Angelo Gomarasca[2], Enrico Borgogno Mondino[3]** 1: University of Padova, TESAF Department, Italy; 2: National Research Council (CNR-IREA), Italy; 3: University of Torino, Department of Agricultural, Forest and Food Sciences, Italy
	Evaluation Of Sentinel-2 Vegetation Indices To Differentiate Forest Recovery Phases In Czechia **Natalia Kobliuk, Daniel Paluba, Přemysl Štych** Charles University, Department of Applied Geoinformatics and Cartography, Czech Republic
	Choosing Optimal Time For Estimating Yield of Winter Oilseed Rape And Winter Wheat **Jakub Tomasz Ceglarek[1], Agnieszka Glinko[2], Cezary Kaźmierowski[1], Remigiusz Łukowiak[3], Sławomir Królewicz[1], Jan Piekarczyk[1]** 1: Adam Mickiewicz University in Poznan, Poland; 2: GISPRO S.A.; 3: Poznan University of Life Sciences
	A Web GIS Mapping Service For A Better Exploitation Of The Forest Melliferous Resources In South East Romania **Adrian Lorent[1,2], Vladimir Gancz[1], Marius Petrila[1], Bogdan Apostol[1], Florin Capalb[1,2], Ionica Soare[3]** 1: National Institute for Research and Development in Forestry (INCDS), "Marin Drăcea", Romania; 2: "Transilvania" University of Braşov, Faculty of Silviculture and Forest Engineering, Braşov, Romania; 3: "Dunărea de Jos" University of Galaţi, Faculty of Economics and Business Administration, Galaţi, Romania
	Grassland Mowing Frequency Estimation in Google Earth Engine Using Sentinel-2 Imagery. **Davide Andreatta[1,2], Damiano Gianelle[2], Michele Scotton[1], Loris Vescovo[2], Michele Dalponte[2]** 1: University of Padova, Department of Agronomy, Food, Natural Resources, Animals and Environment, Italy; 2: Edmund Mach Foundation, Research and Innovation Centre, Italy
3:00pm - 4:00pm	**S_Agri1: Agroforestry, Forests, Agriculture and Food Security** Location: **Adonis** Chair: **Dr. Marios Tzouvaras**
	Detecting Large Scale Land Deals From Landsat Timeseries As Spatial Implications Of Export-Oriented Policies Along The Nacala Development Corridor, Mozambique **Ricardo Paris, Andreas Rienow** Ruhr university Bochum, Germany
	Mapping Forest Change Areas and Assessing Forest Disturbance Agents from Sentinel-2 Time Series **Janik Deutscher[1], Martin Puhm[1], Andreas Wimmer[1], Katja Öhmichen[2], Jens Wiesehahn[3]** 1: Joanneum Research, Austria; 2: Thünen Institute of Forest Ecosystems, Germany; 3: Nordwestdeutsche Forstliche Versuchsanstalt, Germany

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	Improved Handling of Artefacts in Sentinel-2 Time Series Modelling and in Detection of Vegetation Disturbances **Martin Puhm, Janik Deutscher, Andreas Wimmer** Joanneum Research, Austria
	The use of Sen4CAP in an attempt to perform Common Agricultural Policy monitoring in Cyprus **Marios Tzouvaras[1,2], Dimitris Sykas[1], Christiana Papoutsa[1,2], Maria Prodromou[1,2], Elena Papageorgiou[3], Christiana Theodorou[3], Agathangelos Hadjichristofi[3], George Georgiou[4], Diofantos Hadjimitsis[1,2]** 1: Department of Civil Engineering and Geomatics, Faculty of Engineering and Technology, Cyprus University of Technology, Limassol, Cyprus; 2: Eratosthenes Centre of Excellence, Limassol, Cyprus; 3: Cyprus Agricultural Payments Organisation, Cyprus; 4: Novatex Solutions Ltd, Nicosia, Cyprus
4:00pm - 4:30pm	**Coffee Break** Location: **Arion Bar**
4:30pm - 5:30pm	**S_Agri2: Agroforestry, Forests, Agriculture and Food Security** Location: **Adonis** Chair: **Dr. Marios Tzouvaras**
	Multi-annual Monitoring Of Mowing Dynamics In German Grasslands With Sentinel-2 Time Series **Sophie Reinermann[1], Sarah Asam[2], Ursula Gessner[2], Claudia Kuenzer[1,2]** 1: Department of Remote Sensing, Institute of Geography and Geology, University of Würzburg, Germany; 2: German Aerospace Center (DLR), Earth Observation Center (EOC), German Remote Sensing Data Center (DFD), Germany
	Assessment of Growth and Mortality Rates in Canadian Boreal Forest using Landsat Time Series. **Alexandre Morin-Bernard[1], Alexis Achim[1], Nicholas C. Coops[2]** 1: University Laval, Department of Wood and Forest Sciences, Canada; 2: University of British Columbia, Department of Forest Resources Management, Canada
	Spectral Indices as a Tool to Assess the Moisture Status of Forest Habitats **Adam Młynarczyk[1], Monika Konatowska[2], Sławomir Królewicz[1], Paweł Rutkowski[2], Jan Piekarczyk[1], Wojciech Kowalewski[3]** 1: Adam Mickiewicz University in Poznań, Faculty of Geographic and Geological Sciences, Poland; 2: Poznań University of Life Sciences, Faculty of Forestry and Wood Technology, Poland; 3: Adam Mickiewicz University in Poznań, Faculty of Mathematics and Computer Science, Poland
	High-resolution Aerial RGB Imagery For Flowering Intensity Quantification: A Triennial Study In A High-density Apple Orchard **Chenglong Zhang[1], Lammert Kooistra[1], Joao Valente[2], Leifeng Guo[3], Wensheng Wang[4]** 1: Wageningen University & Research, Laboratory of Geo-Information Science and Remote Sensing, The Netherlands; 2: Wageningen University & Research, Information Technology Group, The Netherlands; 3: Chinese Academy of Agriculture Science, Agriculture Information Institute, China; 4: Ministry of Agriculture and Rural Affairs, Key Laboratory of Agricultural Big Data, China
6:30pm - 8:30pm	**IB: Icebreaker** Location: **Aphrodite Gardens**

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Date: Wednesday, 14/Sept/2022

9:00am - 9:30am

KS2: Keynote Speech
Location: **Aphrodite Hall**
Keynote and Panel Expert Discussion
Keynote: Monika Kuffer
Experts: Caroline Gevaert, Stefanos Georganos, Dana R. Thompson, Jon Wang, Sabine Vanhuysse
Moderator: Jean-Christophe Schyns

9:30am - 10:30am

SS_WR: Special Session - Water Resources Management
Location: **Adonis**
Chair: **Diofantos Hadjimitsis**
Chair: **Dr. Christiana Papoutsa**

Comparison Of Rainfall Rate Retrieval Algorithms Using Ground-Based Radar Data, Intended For Drought Monitoring In Cyprus

Eleni Loulli[1,2], Johannes Bühl[3], Silas Michaelides[1], Athanasios Loukas[4], Diofantos G. Hadjimitsis[1,2]
1: ERATOSTHENES Centre of Excellence, Cyprus; 2: Cyprus University of Technology, School of Engineering and Technology, Department of Civil Engineering and Geomatics, Cyprus; 3: Leibniz Institute for Tropospheric Research (TROPOS), Germany; 4: Aristotle University of Thessaloniki, Greece

Remote Sensing-based Algorithm for Monitoring Water Quality of Inland Water Bodies

Gordana Jakovljevic[1], Miro Govedarica[2], Flor Álvarez Taboada[3]
1: Faculty of Architecture, Civil engineering and Geodesy, Bosnia and Herzegovina; 2: Faculty of Technical Science, Serbia; 3: University of Leone, Spain

Deriving Strong Rain Hazard Risk Maps from Geo-Mophology

Thomas Krauß, Veronika Gstaiger
DLR - German Aerospace Center, Germany

Use Of Remote Sensing For Assessing Water Quality In Open-Surface Water Systems In Cyprus

Ioannis Varvaris[1], Christiana Papoutsa[1,2], Marios Tzouvaras[1], Felix Bachofer[3], Albert Ansmann[4], Johannes Bühl[4], Kyriacos Themistocleous[1,2], Kyriacos Neocleous[1,2], Chris Danezis[1,2], Nicholas Kyriakides[1,2], Georgios Komodromos[5], Charalampos Kontoes[6], Silas Michaelides[1], Diofantos Hadjimitsis[1,2]
1: Eratosthenes Centre of Excellence, Limassol, Cyprus; 2: Department of Civil Engineering and Geomatics, Faculty of Engineering and Technology, Cyprus University of Technology, Limassol, Cyprus; 3: Earth Observation Center, German Aerospace Center (DLR), Wessling, Germany; 4: Leibniz Institute for Tropospheric Research, Leipzig, Germany; 5: Department of Electronic Communications, Ministry of Transport, Communications and Works, Nicosia, Cyprus; 6: National Observatory of Athens, Athens, Greece

WSDC_DUA1: Workshop on Developing Countries: Deprived Urban Areas I
Location: **Aphrodite Hall**
Chair: **Dr. Stefanos Georganos**
Chair: **Monika Kuffer**

Deprived Area Mapping using Deep and Machine Learning on Sentinel-2 Imagery

Ryan Engstrom[1], Amir Jafari[1], Arathi Nair[1], Abdulaziz Gebril[1], Mina Hanna[1], Mojahid Osman[1], Jake Lieberfarb[1], Bradely Reardon[1], Maxwell Owusu[1], Dana Thomson[2], Monika Kuffer[2]
1: George Washington University, United States of America; 2: University of Twente, Netherlands

The Diversity Of Deprived Areas: Applications Of Unsupervised Machine Learning And Open Geodata To São Paulo, Brazil

Lorraine Trento Oliveira[1], Monika Kuffer[1], Nina Schwarz[1], Julio Cesar Pedrassoli[2]
1: University of Twente, The Netherlands; 2: Federal University of Bahia, Brazil

Predicting Perceived Urban Deprivation Using Deep Learning

Tais Grippa[1], Angela Abascal[1,2], Sabine Vanhuysse[1], Eleonore Wolff[1]
1: Université Libre de Bruxelles, Belgium; 2: Navarra Center for International Development, University of Navarra, 31009 Pamplona, Spain

Mapping Slums Using Satellite Imagery: A Comparison of Image Processing Techniques

Agatha Mattos, Gavin McArdle, Michela Bertolotto
University College Dublin, Ireland

10:30am - 11:00am

Coffee Break
Location: **Arion Bar**

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11:00am - 1:00pm	S_DRR1: Disaster Risk Reduction Location: **Adonis** Chair: **Dr. Kyriacos Themistocleous**	WSDC_DUA2: Workshop on Developing Countries: Deprived Urban Areas II Location: **Aphrodite Hall** Chair: **Dr. Stefanos Georganos** Chair: **Angela Abascal**
	Disaster Capitalism And Land Grabbing Revisited With Volunteered Geographic Information And Multi Sensor Earth Observation: The Case of Barbuda Andreas Rienow, Torben Dedring, Marcus Goebel, Valerie Graw Ruhr-University Bochum, Germany	**Urban Morphology For Mapping Deprived Urban Areas Across Cities In Sub-Saharan Africa** Sabine Vanhuysse[1], Jiong Wang[2], Priscilla Kabiru[3], Monika Kuffer[2], Stefanos Georganos[4], Angela Abascal[5,1], Eléonore Wolff[1] 1: Université libre de Bruxelles (ULB), Department of Geosciences, Environment and Society, Belgium; 2: University of Twente, Faculty of Geo-Information Science and Earth Observation (ITC), The Netherlands; 3: Foresight Planners Limited, Kenya; 4: KTH Royal Institute of Technology, Division of Geoinformatics, Sweden; 5: University of Navarra, Navarra Center for International Development, Spain
	A Multi-Sensor Approach Towards A Disaster Risk Reduction Framework for Tailings Dam Failures Using the Example of Brumadinho Torben Dedring[1], Valerie Graw[1], Kristina Thygesen[2], Andreas Rienow[1] 1: Ruhr University Bochum, Germany; 2: GRID-Arendal, Norway	**Requirements to Model Slum Dynamics in Cities of the Global South** John Friesen, Julius Breuer Technische Universität Darmstadt, Germany
	The Establishment of the CyCLOPS Integrated Strategic Research Infrastructure Unit for Geohazard Monitoring Activities: Considerations, Performance Assessment and Initial Results Chris Danezis[1,2], Dimitris Kakoullis[1,2], Kyriaki Fotiou[1,2], Marina Pekri[1,2], Christopher Kotsakis[1,3], Miltiadis Chatzinikos[1,3], George Melillos[1,2] 1: Cyprus University of Technology, Cyprus; 2: ERATOSTHENES Centre of Excellence; 3: Aristotle University of Thessaloniki	**The Varying Similarity In The Morphology Of The Urban Divide** Jiong Wang[1], Sabine Vanhuysse[2], Stefanos Georganos[2,3], Monika Kuffer[1], Angela Abascal[4,1] 1: University of Twente, Netherlands, The; 2: Université libre de Bruxelles (ULB), Department of Geosciences, Environment and Society, Belgium; 3: KTH Royal Institute of Technology, Division of Geoinformatics, Sweden; 4: University of Navarra, Navarra Center for International Development, Spain
	A Review Of Current GNSS Interference Detection And Localisation Techniques Towards The Development Of Resilient GNSS Strategic Infrastructure Nikolas Christoforou[1,2], Chris Danezis[1,2] 1: Cyprus University of Technology, Cyprus; 2: ERATOSTHENES Centre of Excellence, Cyprus	**IDeaMapSudan: Mapping Urban Deprivation In Khartoum Combining EO And Geospatial Data** Monika Kuffer[1], Nuha Eltinay[2], Maysoon Badi[2], Wafa Sakhi[2], Inas M.M. Ali[3], Asgad Gummah[4], Julia Kumi[4], Ibrahim Kushieb[4], Mosub Abdallah[6], Taha Elzaki[5], Mustafa Hamza[6], Fatima Ahmed[5], Marwa Ali[6], Jon Wang[1], Caroline Margaux Gevaert[1], Charlotte Flasse[7], Andre Da Silva Mano[1], Serkan Girgin[1], Francis Cheruiyot Onyambu[8], Dana R. Thomson[1], Caroline Kabaria[8] 1: University of Twente, Netherlands, The; 2: Sudan Urban Development Think Tank Organization, Sudan; 3: Independent consultant, Sudan; 4: Ministry of Social Development, Sudan; 5: Ministry of Transport, Sudan; 6: Ministry of Physical Planning-Khartoum State, Sudan; 7: Université Libre de Bruxelles, Belgium; 8: African Population & Health Research Center, Kenya
	Assessing the Resilience of Flood Defense Structures via Radar MTI & Backscatter Analysis Dimitris Kouhartsiouk, Skevi Perdikou Geofem Ltd., Cyprus	
	Combined Use Of InSAR And FEA For The Monitoring Of Landslides Egli Michailidou, Styliana Stavrou, Christakis Iereidis, Iordanis Aloupas, Skevi Perdikou GEOFEM, Cyprus	**Leveraging community-generated data in research: The KnowYourCity Campaign data set by Slum Dwellers International**

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	Slide-Map – a Platform for Landslide Risk Mapping in Near-real Time Ionut Sandric[1,2], Viorel Ilinca[3,2], Radu Irimia[1,2], Zenaida Chitu[4,5,2], Andrei Stefan[6] 1: University of Bucharest, Faculty of Geography, Romania; 2: University of Bucharest, Institute for Research (ICUB); 3: Geological Institute of Romania, Caransebeş Street, no. 1, Bucharest, Romania; 4: National Meteorological Administration, 013686 Bucharest, Romania; 5: National Institute of Hydrology and Water Management, 013686 Bucharest, Romania; 6: ESRI Romania	Dana R. Thomson[1], Hazem Mahmoud[2], Forrest R. Stevens[3], Robert Chen[4], Argyro Kavvada[5], Andrea E. Gaughan[3] 1: University of Twente, Faculty of Geo-Information Science & Earth Observation, Netherlands; 2: University of Texas at San Antonio, Department of Geological Sciences, USA; 3: University of Louisville, Department of Geography and Geosciences, USA; 4: Columbia University, Center for International Earth Science Information Network, USA; 5: National Aeronautics and Space Administration, Earth Sciences Division, USA
	Remotely Sensed Early Warning Signals of Critical Transitions of Forest Ecosystems Filippos Eliades[1,2], Diofantos Hadjimitsis[1,2], Chris Danezis[1,2], Felix Bachofer[3] 1: Cyprus University of Technology; 2: Eratosthenes Center Of Excellence; 3: German Aerospace Center/Deutsches Zentrum für Luft- und Raumfahrt DLR	**Finding Biases in Geospatial Datasets in the Global South: Are we Missing Vulnerable Populations?** Caroline M. Gevaert University of Twente, Netherlands, The
		SkySat – Geometry and Effective Resolution Karsten Jacobsen Leibniz University Hannover, Germany
		Garbage in/Garbage Out: Understanding Cities Through a Geospatial Analysis of Waste Management Processes Isaac Oluoch[1], Monika Kuffer[1], Michael Nagenborg[1], Kevin Pijpers[1], Dana Thomson[1], Stefanos Georganos[2], Angela Abascal[3], Sabine Vanhuysse[4], Nicera Wanjiru[5], Eric Rovoga[5] 1: University of Twente, Netherlands; 2: Royal Institute of Technology, Sweden; 3: University of Navarra, Spain; 4: Université libre de Bruxelles (ULB), Belgium; 5: Community Mappers, Kenya
1:00pm - 2:00pm	**Lunch Break** Location: **Pantheon Restaurant**	
2:00pm - 2:30pm	**Poster Session (Exhibition)** Location: **Aphrodite Hall**	
2:30pm - 3:30pm	**S_AI: Artificial Intelligence and Big Earth Data** Location: **Zeus** Chair: **Dr. Nektarios Chrysoulakis** Chair: **Dr. Ioannis Varvaris**	
	Machine and Deep Learning Tools Exploiting Earth Observation for Airport Geodata Production Benjamin Beaumont, Dimitri Graur, Eric Hallot Remote Sensing and Geodata Unit, Institut Scientifique de Service Public (ISSeP), Liège, Belgium	
	Exploring The Potential Of Future Satellite Imagers: Assessing The Hyperspectral Sensors' Soil Organic Carbon Predictive Capacity Stylianos Kokkas[1], Nikolaos Tziolas[1], Nikolaos L. Tsakiridis[1,2], Konstantinos Karyotis[1], George Zalidis[1]	

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	1: Aristotle University of Thessaloniki, Laboratory of Remote Sensing, Spectroscopy and GIS, Department of Agriculture, Greece; 2: Aristotle University of Thessaloniki, Automation and Robotics Laboratory, Department of Electrical and Computer Engineering, Faculty of Engineering, Greece	
	Optimizing Ground-Based Observations Of Global Precipitation Patterns **Johannes Bühl[1], Martin Radenz[1], Patric Seifert[1], Argyro Nisantzi[2], Rodanthi Mamouri[2], Ulla Wandinger[1], Albert Ansmann[1]** 1: TROPOS, Leipzig, Germany; 2: ERATOSTHENES Center of Excellence, Limassol, Cyprus	
	Copernicus for Urban Resilience in Europe: Intermediate results from the CURE project **Nektarios Chrysoulakis[1], Zina Mitraka[1], Mattia Marconcini[2], David Ludlow[3], Zaheer Khan[3], Brigitte Holt Andersen[4], Tomas Soukup[5], Mario Dohr[6], Alessandra Gandini[7], Jürgen Kropp[8], Dirk Lauwaet[9], Christian Feigenwinter[10]** 1: FORTH (Foundation for Research and Terchnology Hellas), Greece; 2: Deutsches Zentrum für Luft- und Raumfahrt, Germany; 3: University of the West of England, Bristol, United Kingdom; 4: CWare ApS, Denmark; 5: Gisat S.R.O., Czech Republic; 6: GeoVille Informationssysteme und Datenverarbeitung GMBH, Austria; 7: TECNALIA, Fundacion Tecnalia Research & Innovation, Spain; 8: PIK, otsdam Institut fuer Klimafolgenforschung, Germany; 9: VITO, laamse Instelling voor Technologisch Onderzoek N.V., Belgium; 10: Universitaet Basel, Switzerland	
2:30pm - 4:00pm	**SS_LCLU: Special Session - Land Use Land Cover** Location: **Adonis** Chair: **Dr. Gregory Giuliani** Chair: **Dr. Birgitta Putzenlechner**	**WSDC_SDGs: Workshop on Developing Countries: SDGs urban sustainability , demographic and health modelling** Location: **Aphrodite Hall** Chair: **Dr. Dana Renee Thomson** Chair: **Sabine Vanhuysse**
	An Automated Approach to Habitat Mapping on a Rehabilitation Peatland Using Google Earth Engine **Richa Marwaha[1], Stuart Green[2], Matthew Saunders[1]** 1: Trinity College Dublin, Ireland; 2: Ashtown Food Research Centre, Ireland	**Vector-borne Disease Risk Mapping in Sub-Saharan African Cities: Challenges and Opportunities** **Catherine Linard, Camille Morlighem** University of Namur, Belgium
	Random Forest and Convolutional Neural Networks Classification of LULUCF Using Sentinel-2 Data in Czechia **Gabriel Antonio Carneiro[1,2], Jan Svoboda[3], Přemysl Štych[3], Joaquim João Moreira de Sousa[1,2], António Cunha[1,2]** 1: University of Trás-os-Montes e Alto Douro, Department of Engineering, Vila Real, Portugal; 2: INESC-TEC, Porto, Portugal; 3: Charles Universty - Faculty of Science, Czech Republic	**"Making Urban Slum Population Visible: An Earth-Observation Based Approach"** **Jorge Klinnert[1], Angela Abascal[1,3], Stefanos Georganos[2], Sabine Vanhuysse[3], Monika Kuffer[4], Eleonore Wolff[3]** 1: Universidad de Navarra, Spain; 2: KTH Royal Institute of Technology, Sweden; 3: Department of Geosciences, Environment & Society, Belgium; 4: Faculty of Geo-information Science and Earth Observation, Netherlands
	Performance Analysis of Pixel-Based and Object-Oriented LULC Classification in Google Earth Engine Using Multi-Temporal Sentinel-2 Imagery **Suzanna Cuypers[1], Korneel Hoebeke[1], Sander Bracke[1], Andrea Nascetti[2], Maarten Vergauwen[1]** 1: KU Leuven, Belgium; 2: Polytechnic University of Bari, Italy	**Spatial And Temporal Urban Population Distribution Mapping In Sub-Saharan African Cities Using Earth Observation and Deep Learning** **Stefanos Georganos[1], Sebastian Hafner[1], Theodomir Mugiraneza[2], Yifang Ban[1]** 1: Division of Geoinformatics, KTH Royal Institute of Technology, Sweden; 2: University of Rwanda, Centre for GIS and Remote Sensing, Rwanda
	Agricultural Land Use Forecasting – Preliminary Results for a Case Study in the Paphos district, Cyprus **Stelios Neophytides[1,2], Christiana Papoutsa[1,2], Diofantos Hadjimitsis[1,2], Phaedon Kyriakidis[1,2]**	**Fusing Earth Observation and Socioeconomic Data to Increase the Transferability of Large-scale Urban Land Use Classification** **Job Fabian Rosier[1], Hannes Taubenböck[2,3], Peter H. Verburg[1], Jasper van Vliet[1]**

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	1: ERATOSTHENES Centre of Excellence, Cyprus; 2: Cyprus University of Technology	1: Vrije Universiteit Amsterdam, Netherlands, The; 2: German Aerospace Center (DLR), German Remote Sensing Data Center (DFD), Oberpfaffenhofen, 82234, Wessling, Germany; 3: Institute for Geography and Geology, Julius-Maximilians-Universität Würzburg, Würzburg 97074, Germany
	Adaptability of Inundation Mapping in Service of the Water Utilities: the Case of Giaretta Lake and Brenta River **Ioannis Manakos[1], Afroditi Kita[1], Francesco Zaffanella[2], Sofia Papadopoulou[1], Lisa Napolitano[2]** 1: Centre for Research and Technology Hellas, Greece; 2: Autorità di bacino Distrettuale delle Alpi orientali, Italy	**Assessing the Utility of Open-Source Geo-Spatial Data for AI-Driven Estimation of Fire Spread Risk in Informal Settlements** **Dagmara Panas[1], Sohan Seth[1], Gary Watmough[2], David Rush[3]** 1: School of Informatics, University of Edinburgh, United Kingdom; 2: School of Geosciences, University of Edinburgh, United Kingdom; 3: School of Engineering, University of Edinburgh, United Kingdom
		Mapping Access to Electricity and Urban Night Lights: Leveraging the Massive Repository of Astronaut Photography of the Earth **Monika Kuffer[1], Tobias Storch[2], Alejandro Sánchez De Miguel[3], Franz Hölker[4], Eleanor Stokes[5]** 1: Faculty of Geo-Information Science and Earth Observation (ITC), University of Twente, The Netherlands; 2: Earth Observation Center (EOC), German Aerospace Center (DLR), 82234 Weßling, Germany; 3: Universidad Complutense de Madrid, Spain; 4: Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB), 12587 Berlin, Germany; 5: Universities Space Research Association, USA
4:00pm - 4:30pm	**Coffee Break** Location: **Arion Bar** The coffee for the workshop participants will be at 04:00 pm - 04:15 pm due to practical reasons.	
4:25pm - 5:40pm	**WSDC_EC: Workshop on Developing Countries: Environmental and Climatic applications** Location: **Aphrodite Hall** Chair: **Dr. Jiong Wang** Chair: **Prof. Catherine Linard**	
	Characterising the Changes in Land Use and Land Cover amid Changing Climatic Conditions using Remote Sensing Techniques in the Muringato Basin, Kenya **Simon Wachira Muthee, Bartholomew Thiong'o Kuria, Charles Ndegwa Mundia** Dedan Kimathi University of Technology, Kenya	
	Evaluation Of The Dempster-Shafer Theory For Oil Palm Plantations Mapping: Application To Sumatra (Indonesia) **Carl Bethuel[1], Damien Arvor[1], Thomas Corpetti[1], Jérémie Gignoux[2], Samuel Corgne[1]** 1: UMR LETG 6554 CNRS, UNIVERSITY OF RENNES 2; 2: PSE - Paris School of Economics	
	Classification Features and Object-based Mapping for Heterogenous Tropical Highlands Using a Synergetic Multi-Sensor Approach Based on Sentinel-1, Sentinel-2, and GEDI Data - A Case Study of the Muringato Sub-catchment, Kenya. **Marcus Frederik Goebel[1], Kuria Thiong'o[2], Andreas Rienow[1]** 1: Ruhr-University Bochum, Germany; 2: Dedan Kimathi University of Technology, Kenya	

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	A Universal Data Processing Method for Global Production of Water-quality Indicators in Support of SDG 6.3.2 Nima Pahlevan[1,2], Akash Ashapure[1,2], Asen Radov[2,3], Navid Golpayegani[2] 1: Science Systems and Applications Inc.; 2: NASA GSFC, United States of America; 3: University of Marylland
	Assessing The Effectiveness Of Participatory GIS Tool For Environmental Conservation Of The Muringato Catchment Area. Wisdom Kipkemboi, Bartholomew Thiong'o Kuria, David Ndegwa Kuria Dedan Kimathi University of Technology, Kenya
4:30pm - 6:00pm	**CM: Council Meeting** Location: **Adonis**

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Date: Thursday, 15/Sept/2022

9:00am - 9:30am

KS3: Keynote Speech

Keynote Speaker: Prof. Gilberto Camara, National Institute for Space Research of Brazil
Title: "LUCC Classification with Big Earth Observation Data: Challenges and Current Status"

9:30am - 10:30am

SS_ET1: Special Session - Education and Training
Chair: **Alexander Siegmund**
Chair: **Dr. Premysl Stych**

Around The Earth In Less Than 5 Minutes – Exploring Earth Observation Satellites In An Augmented Reality App

Claudia Lindner, Henryk Hodam, Annette Ortwein, Andreas Rienow
Ruhr-University Bochum, Germany

Developing and Testing Explainer Videos on Earth Observation

Henryk Hodam, Andreas Rienow, Carsten Juergens
Ruhr-Universität Bochum, Germany

PULCHRA Project: Earth Observation and Open Schooling

Přemysl Štych, Josef Laštovička, Jan Svoboda, Natalia Kobliuk, Daniel Paluba
Charles University, Faculty of Science, Department of Applied Geoinformatics and Cartography, EO4Landscape research team, Czechia

Potentials of the App BLIF:Explorer for Location-based Use of Satellite Imagery to Foster Remote Sensing in Schools

Johannes Keller[1], Mario Blersch[1], Christian Plass[1], Alexander Siegmund[1,2]
1: DEPARTMENT OF GEOGRAPHY – RESEARCH GROUP FOR EARTH OBSERVATION (RGEO), HEIDELBERG UNIVERSITY OF EDUCATION, GERMANY; 2: HEIDELBERG CENTER FOR THE ENVIRONMENT (HCE) & INSTITUTE OF GEOGRAPHY, HEIDELBERG UNIVERSITY, GERMANY

10:30am - 11:00am

Coffee Break
Location: **Arion Bar**

11:00am - 11:45am

SS_ET2: Special Session - Education and Training
Location: **Aphrodite Hall**
Chair: **Alexander Siegmund**
Chair: **Dr. Premysl Stych**

The European Perspective: Earth Observation for Education (EO4Edu)

Annette Ortwein, Kilian Staar, Claudia Lindner, Henryk Hodam, Andreas Rienow
University of Bochum, Germany

"From Space to Classroom" using ESA's Climate Change Initiative Educational and Training Resources

Eirini Politi[1], Suhyb Salama[2], Catherine Fitzsimons[3], Norman Fomferra[1], Tonio Fincke[1], Carsten Brockmann[1]
1: Brockmann Consult GmbH, Germany; 2: University of Twente, the Netherlands; 3: University of Leicester, United Kingdom

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This project has received funding from the Government of the Republic of Cyprus through the Directorate General for the European Programmes, Coordination and Development as well as the Cyprus University of Technology.

	Promoting The Benefits Of Earth Observation In Secondary And Higher Education In Cyprus **Maria Prodromou[1,2], Eleni Loulli[1,2], Christiana Papoutsa[1,2], Christos Theocharidis[1,2], Antonis Hadjiantonis[3], Diofantos Hadjimitsis[1,2]** 1: ERATOSTHENES Centre of Excellence, Limassol, Cyprus; 2: Department of Civil Engineering and Geomatics, Faculty of Engineering and Technology, Cyprus University of Technology, Limassol, Cyprus; 3: Cyprus Research and Innovation Centre (CyRIC), Nicosia, Cyprus
12:00pm - 1:00pm	**S_SP: Sponsors Session** Location: **Aphrodite Hall** 1. Long term changes identification and analysis of river deltas and riparian zones using time-series multispectral data - GEOSYSTEM HELLAS (Christos Kontopoulos, Dimitra Kitsiou, Stavros Chlorokostas, Vasiliki Charalampopoulou, Nikos Grammalidis, Anastasios Tzepkenlis) 2. Addressing the use of EO and remote sensing technologies to assess economic indicators and identify economy trends - MonItoring CypRus ecOnomy by Space (MICROS) - GEOSYSTEM HELLAS (Christos Kontopoulos, Thomas Papakosmas, Vasiliki Charalampopoulou, Giovanni De Angelis, Stelios Zervos) 3. Nextland - Next Generation Land Management Services for Agriculture and Forestry (Nuno Grosso, Isabelle Piccard, Hervé Caumont, Luís Filipe Lages, David Cordeiro, Greg Robson, Radoslaw Guzinski, Jo Van Brusselen, Tord Sorensen, Ioannis Manakos, Christos Kalogeropoulos, Jim Wilson, Pieter Janssens, Alireza Taravat) 4. ArcGIS Imagery Solutions - MARATHON DATA SYSTEMS (John Kontos, Maria Pafi) 5. Importance of the ERATOSTHENES Centre of Excellence for the EMMENA region (Eleni Loulli)
1:00pm - 2:00pm	**Lunch Break** Location: **Pantheon Restaurant**
2:00pm - 2:30pm	**Poster Session (Exhibition)** Location: **Aphrodite Hall**
2:30pm - 4:00pm	**SS_GRS1: Special Session - Geological Remote Sensing** Location: **Aphrodite Hall** Chair: **Prof. Konstantinos Nikolakopoulos** Chair: **Aggeliki S. Kyriou**
	Creation Of High-Precision 3D Reference Point Clouid Using UAV And TLS Data, Within "PROION" Project **Konstantinos Nikolakopoulos[1], Aggeliki Kyriou[1], Athanassios Ganas[2], Yiannis Maroufidis[3], Vassiliki {Betty} Charalampopoulou[3], Theodoros Athanasopoulos[4]** 1: University of Patras, Greece; 2: National observatory of Athens; 3: Geosystems Hellas S.A; 4: ES Systems
	SAR-based Automated Unsupervised Rapid Mapping of Land Surface Changes after Volcanic Eruptions in Indonesia **Aiym Orynbaikyzy[1], Simon Plank[1], Sandro Martinis[1], Arum Tjahjaningsih[2], Rido Dwi Ismanto[2], Farikhotul Chusnayah[2], Imam Santoso[2], Suwarsono -[2], M. Rokhis Khomarudin[2], Yenni Vetrita[2]** 1: German Remote Sensing Data Center (DFD), German Aerospace Center (DLR), Germany; 2: Research Organization for Aeronautics and Space, National Research and Innovation Agency (BRIN), Indonesia
	Satellite-based Monitoring of an Active and Fast-moving Landslide Using PSI and DINSAR Analysis: The Case Study of Pissouri Village in Cyprus **Kyriaki Fotiou[1,2], Dimitris Kakoullis[1,2], Marina Pekri[1,2], Diofantos G. Hadjimitsis[1,2], George Melillos[1,2], Chris Danezis[1,2]** 1: Cyprus University of Technology, Cyprus; 2: ERATOSTHENES Centre of Excellence, Cyprus
	Seismic Activity Monitoring And Surveillance Of Active Geotectonic Region Vrancea In Romania Via In-Situ And Geospatial Data **Maria Zoran, Roxana Savastru, Dan Savastru, Marina Tautan** National Institute of R&D for Optoelectronics, Romania

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	Potentiality of Landslide Detection in Open-pit Mines Using Satellite-Based Techniques: The Case Study Of Vasiliko Open-Pit Mine In Cyprus **Marinos Avgousti[1], Kyriaki Fotiou[1,2], Dimitris Kakoullis[1,2], Chris Danezis[1,2]** 1: Cyprus University of Technology, Cyprus; 2: ERATOSTHENES CENTRE OF EXCELENCE, Cyprus
4:00pm - 4:30pm	**Coffee Break** Location: **Arion Bar**
5:00pm - 6:00pm	**GA: General Assembly** Location: **Aphrodite Hall**
8:30pm - 11:59pm	**SD: Symposium Dinner** Location: **Pantheon Ballroom**

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Date: Friday, 16/Sept/2022

9:00am - 9:30am	**KS4: Keynote Speech** Keynote Speaker: Prof. Maria Antonia Brovelli, Politecnico Di Milano Title: "Openness in Geospatial Science and Earth Observation"	
9:30am - 10:30am	**S_InnT: Innovative Technologies in Remotely Sensed & In-situ Data** Location: **Adonis** Chair: **Prof. Andreas Anayiotos** Chair: **Maria Zoran**	**SS_CNH: Special Session - Cultural and Natural Heritage** Location: **Aphrodite Hall** Chair: **Dr. Athos Agapiou**
	UAV-based Glacier Monitoring: GNSS Kinematic Track Post-processing For Accurate Reconstruction In Challenging Environments **Valeria Belloni[1], Davide Fugazza[2], Martina Di Rita[3], Mattia Crespi[1]** 1: University of Rome La Sapienza, Italy; 2: Università degli Studi di Milano; 3: Leica Geosystems AG	**An Experimental Study For The Detection Of Surface Ceramics Through Unmanned Aerial Vehicles (UAV)** **Argyro Argyrou, Vasiliki Lysandrou, Michalis Christoforou, Athos Agapiou** Earth Observation Cultural Heritage Research Lab, Cyprus University of Technology
	A Comparison Between Satellite Altimetry and Tide Gauge Observations in Monitoring Sea Level Changes in Cyprus **Marina Pekri[1,2], Marios Nikolaidis[1,2], Dimitris Kakoullis[1,2], Chris Danezis[1,2]** 1: Cyprus University of Technology, Cyprus; 2: ERATOSTHENES CENTRE OF EXCELLENCE,Cyprus	**Automated Mapping of Cultural Heritage in Norway from Airborne Laser Scanning Data Using Faster R-CNN** **Øivind Due Trier[1], Jarle Hamar Reksten[1], Kristian Løseth[2]** 1: Norwegian Computing Center, Norway; 2: The Directorate for Cultural Heritage, Norway
	Assessment Of COVID-19 Impacts On Satellite-Observed Aerosol Loading Over Few European Metropolitan Cities **Dan Savastru, Maria Zoran, Roxana Savastru, Marina Tautan** National Institute of R&D for Optoelectronics, Romania	**Optimal Selection Of Physiologically Distinct Periods To Detect Invasive Plant Robinia Pseudoacacia In Natura 2000 Sites Of The Danubian Lowland, Slovakia.** **Tomáš Rusňák, Andrej Halabuk, Juraj Lieskovský** ILE SAS v.v.i., Slovak Republic
	Landsat 9 Data And GEE For Estimating Land Surface Albedo Over Southern Italian Cities **Carlo Barletta, Alessandra Capolupo, Eufemia Tarantino** Department of Civil, Environmental, Land, Construction and Chemistry (DICATECh), Politecnico di Bari, Italy	**The Use of Digital Geomedia for Management of UNESCO Sites – Current State of Knowledge and Future Potential** **Lisa Dannwolf[1], Emmanuel Eze[1,2], Nicolás Zanetta-Colombo[1,2], Maike Petersen[1], Alexander Siegmund[1,2]** 1: Department of Geography – Research Group for Earth Observation (rgeo), Heidelberg University of Education, Germany; 2: Heidelberg Center for the Environment (HCE) & Institute of Geography, Heidelberg University, Germany
		U-Net: A Deep Convolutional Encoder-Decoder Architecture to Discover Ancient Agricultural Terraces using LiDAR and Orthophoto **Arti Tiwari, Micha Silver, Aviv Lee Cohen-Zada, Arnon Karnieli** Ben Gurion university of Negev, Israel, Israel
10:30am - 11:00am	**Coffee Break** Location: **Arion Bar**	

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11:00am - 11:30am	**S_EOC: Earth Observation Challenges: Open Science, Open Innovation, Digital Innovation Hubs, Sustainable Development Goals (SDGs)** Location: **Zeus** Chair: **Prof. Mattia Crespi** Chair: **Prof. Andreas Anayiotos**
	Global Monitoring of Inland Water Surface With GEDI Geo Big Data Using Google Earth Engine: Preliminary Analysis, Potentials and Issues **Alireza Hamoudzadeh[1], Roberta Ravanelli[1], Isabel Cocozza[1], Virginia Coletta[1], Mattia Crespi[1,2]** 1: Sapienza University of Rome, DICEA, Geodesy and Geomatics Division, Italy; 2: Sapienza School for Advanced Studies, Sapienza University of Rome, Italy
	Comparison of Copernicus Urban Atlas and HRL Imperviousness enhanced by administrative data in urbanization studies. **Wojciech Łachowski** Institute of Urban and Regional Development, Poland
11:30am - 1:00pm	**S_OT: Other Topics** Location: **Aphrodite Hall** Chair: **Dr. Kyriacos Themistocleous**
	Detection of Nature Interventions in Sentinel-2 Images of Norway Using U-Net **Øivind Due Trier[1], Arnt-Børre Salberg[1], Ragnvald Larsen[2], Ole T. Nyvoll[2]** 1: Norwegian Computing Center, Norway; 2: Norwegian Environment Agency
	Comparison of Digital Elevation Models by Chernoff faces **José Rodríguez-Avi, Francisco Javier Ariza-López** University of Jaén, Spain
	Topographic Position Index and height error of Digital Elevation Models **José Rodríguez-Avi[1], Francisco Javier Ariza-López[1], Juan Francisco Reinoso-Gordo[2]** 1: University of Jaén, Spain; 2: University of Granada, Spain
	What Tell The Male and Female Testimonials From the Women in Copernicus Survey ? **Marine Nyssen[1], Caroline Closon[1], Eleni Loulli[3,4], Nathalie Stéphenne[2], Barbara Riedler[2], Marie Jagaille[2]** 1: Université Libre de Bruxelles, Belgium; 2: Women in Copernicus; 3: ERATOSTHENES Centre of Excellence, Limassol, Cyprus; 4: Cyprus University of Technology, Limassol, Cyprus
	The Implementation Of Forest Canopy Density Model In Cyprus Forests Using Landsat-8 and Sentinel-2 Satellite Data For The Assessment Of the Fire Impacts **Maria Prodromou[1,2], Kyriacos Themistocleous[1,2], Chris Danezis[1,2], Ioannis Gitas[3], Diofantos Hadjimitsis[1,2]** 1: Department of Civil Engineering and Geomatics, Cyprus University of Technology, Limassol, Cyprus; 2: ERATOSTHENES Centre of Excellence, Limassol, Cyprus; 3: Department of Forestry, Laboratory of Forest Management and Remote Sensing, Aristotle University of Thessaloniki, Greece
	Tack Project: Tunnel Automatic Crack Monitoring Using Deep Learning and Photogrammetry **Valeria Belloni[1], Andreas Sjölander[2], Roberta Ravanelli[1], Mattia Crespi[3], Andrea Nascetti[4]**

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	1: DICEA, University of Rome La Sapienza, Italy; 2: Division of Concrete Structures, KTH Royal Institute of Technology; 3: Sapienza University of Rome, DICEA - Sapienza School for Advanced Studies; 4: Geoinformatics Division, KTH Royal Institute of Technology
1:00pm - 2:00pm	**Lunch Break** Location: **Pantheon Restaurant**
2:00pm - 3:45pm	**P4: Poster Session (5-Slides Presentations)** Location: **Aphrodite Hall** Chair: **Dr. Silas Michaelides**
	The Valuable Usage Of The Multitemporal Data To The Rate of Shoreline Change Determination In Sandy Beaches **Dionysios Apostolopoulos, Konstantinos Nikolakopoulos** University of Patras, G.I.S & Remote Sensing Laboratory, Greece
	Using Remote Sensing Data with Machine Learning to Predict Distribution of Red-listed Forest Species **Xi-Lillian Pang[1], Stefanos Georganos[2], Ulla Mörtberg[1], Yifang Ban[2]** 1: Department of Sustainable Development, Environmental Science and Engineering, KTH Royal Institute of Technology, Sweden; 2: Department of Urban Planning and Environment, KTH Royal Institute of Technology, Sweden
	Documentation and monitoring of the rehabilitation of the historic World War II US Air Force Base in Greenland **Karel Pavelka, Jaroslav Šedina, Karel Pavelka. jr., Eva Matoušková, Martin Kýhos** Czech Technical University in Prague, FCE, Czech Republic, dept.of geomatics
	Mapping Exposure to Landslides by Means of Artificial Intelligence and UAV Aerial Imagery in the Curvature Subcarpathians, Romania **Zenaida Chitu[1], Ionut Sandric[2,1], Viorel Ilinca[3,1], Radu Irimia[2,1]** 1: University of Bucharest, Institute for Research (ICUB); 2: University of Bucharest, Faculty of Geography, Romania; 3: Geological Institute of Romania, Caransebeş Street, no. 1, Bucharest, Romania
	The Utilisation Of DInSAR For The Monitoring Of The Shuibuya's Concrete-Face Rockfill Dam (CDRF) In China **Styliana Stavrou, Egli Michailidou, Skevi Perdikou** Geofem Ltd., Cyprus
	In Situ Topsoil Sensing System to Support Environmental Performance Monitoring **Konstantinos Karyotis[1], Nikolaos L. Tsakiridis[1,2], Nikolaos Tziolas[1], Eleni Kalopesa[1], Periklis Chatzimisios[3], Georgios Zalides[1]** 1: Aristotle University of Thessaloniki, Laboratory of Remote Sensing, Spectroscopy and GIS, Department of Agriculture, Greece; 2: Aristotle University of Thessaloniki, Automation and Robotics Laboratory, Department of Electrical and Computer Engineering, Faculty of Engineering, Greece; 3: International Hellenic University, Department of Information and Electronic Engineering, Greece
	Using the VENμS Super-Spectral Camera for Detecting Moving Vehicles **Arnon Karnieli, Manuel Salvoldi, Aviv Cohen-Zada** Ben Gurion University, Israel

This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 857510.

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Enhancing PRISMA and Sentinel 2 Capabilities for Marine Plastic Litter Detection Using Image Fusion Techniques, Spectral Signature Unmixing and Spectral Indexes

Maria Kremezi, Viktoria Kristollari, Vassilia Karathanassi, Pol Kolokoussis
National Technical University of Athens, Greece

Reference Target Extraction for Point Cloud Intensity Normalization in Scan to BIM

Rabia Rashdi[1,2], Zhouyan Qiu[1,2], Pedro Arias[1], Joaquín Martínez-Sánchez[1]
1: University of Vigo, Spain; 2: ICT & Innovation Department, Ingeneria Insitu,Spain

Estimation of Solar Radiation at Ground Level using SENTINEL 3 data and machine learning techniques: a case study in Cyprus.

Diofantos Hadjimitsis[1,2], George E. Georghiou[3], Silas Michaelides[2], Maria Prodromou[1,2], Argyro Nisantzi[1,2], Christiana Papoutsa[1,2], Rodanthi Mamouri[1,2], Eleni Loulli[1,2], Marina Pekri[1,2], Spyros Theocharides[3], Javier Lopez Lorente[3], George Makrides[3], Konstantinos Fragkos[2]
1: Cyprus University of Technology, Department of Civil Engineering and Geomatics, Limassol, Cyprus; 2: Eratosthenes Centre of Excellence, Limassol, Cyprus; 3: 1PV Technology Laboratory, FOSS Research Centre for Sustainable Energy, Department of Electrical and Computer Engineering, University of Cyprus, Nicosia, 1678, Cyprus

Crowdsourced Observations and Geospatial Data for the Modelling of Butterfly Distribution using MAXENT in Styria, Austria

Daniel Kulmer[1], Manuela Hirschmugl[1,2]
1: University of Graz, Austria; 2: Joanneum Research

Health-Related Disparities in the Metropolitan Region Ruhr – Large-Scale Spatial Model of Local Asthma Prevalence, Accessibility of Health Facilities and Socio-economic and Environmental Factors

Nicolai Moos[1], Annette Ortwein[2], Andreas P. Redecker[1]
1: Ruhr University Bochum, Germany; 2: Philipps University Marburg, Germany

What is the Role of Aerosol to the Cloud Formation and Evolution?

Rodanthi Elisavet Mamouri[1,2], Argyro Nisantzi[1,2], Holger Baars[3], Ronny Engelmann[3], Diofantos Hadjimitsis[1,2], Albert Ansmann[3]
1: ERATOSTHENES Centre of Excellence, Cyprus; 2: Cyprus University of Technology, Department of Civil Engineering and Geomatics, Cyprus; 3: Leibniz Institut für Troposphärenforschung, Leipzig, Germany

Time Series Satellite Data For Urban Thermal Environment Changes Analysis Over Bucharest Metropolitan City

Maria Zoran, Roxana Savastru, Dan Savastru, Marina Tautan
National Institute of R&D for Optoelectronics, Romania

Novel Radargrammetric Approach for Capella Space Imagery

Karlheinz Gutjahr[1], Can Atalay[2], Roland Perko[1], Hannes Raggam[1], Janik Deutscher[1], Mathias Schardt[1,3], Umut Gunes Sefercik[4]

This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 857510.

This project has received funding from the Government of the Republic of Cyprus through the Directorate General for the European Programmes, Coordination and Development as well as the Cyprus University of Technology.

	1: Joanneum Research, Austria; 2: Zonguldak Bülent Ecevit University, Turkey; 3: Graz University of Technology, Austria; 4: Gebze Technical University, Turkey
3:45pm - 4:30pm	**CC: Closing Ceremony** Location: **Aphrodite Hall**

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Appendix G: Agenda of the COMECAP 2025 Conference



17th International Conference on Meteorology, Climatology and Atmospheric Physics

COMECAP 2025

29 September - 01 October 2025

Nicosia, Cyprus

Organized by the Hellenic Meteorological Society (H.M.S.)

Hosted by Eratosthenes Centre of Excellence, Limassol, Cyprus

Co-Organizers



COMECAP2025-Online Lectures-Room A

https://uoa.webex.com/uoa/j.php?MTID=m3a21bc5105399debe003845536c82d66

Meeting number: 2787 651 3471

Password: whDrzH2Uy45

Join by video system

Dial 27876513471@uoa.webex.com

You can also dial 62.109.219.4 and enter your meeting number.

Join by phone

+30-21-1990-2394 Greece Toll

+30-21-1198-1029 Greece Toll 2

Access code: 278 765 13471

COMECAP2025-Online Lectures-Room B

https://uoa.webex.com/uoa/j.php?MTID=mc9876ad6dbf1afbae5a1e44855065a12

Meeting number: 2784 715 4234

Password: HFhBEA27gA6

Join by video system

Dial 27847154234@uoa.webex.com

You can also dial 62.109.219.4 and enter your meeting number.

Join by phone

+30-21-1990-2394 Greece Toll

+30-21-1198-1029 Greece Toll 2

Access code: 278 471 54234

2

17th International Conference on Meteorology, Climatology and Atmospheric Physics
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Welcome to the COMECAP2025 Session Programme

Monday 29/09/2025	
09:00-09:30	Registration-Welcome
09:30-09:40	**Prof. Panagiotis Nastos** Chairman of the Organizing Committee COMECAP 2025 | Chairman of the Hellenic Meteorological Society (HMS)
09:40-09:50	**Prof. Diofantos Hadjimitsis** Chair of the Eratosthenes Centre of Excellence, Limassol, Cyprus
09:50-10:00	**Dr Maria Panayiotou** Minister of Agriculture, Rural Development and Environment
10:00-10:10	**His Eminence Timotheus, Metropolitan Bishop of Bostra** **Exarch of The Holy Sepulcher in Cyprus**
10:10-10:45	**Howard (Howie "Cb") Bluestein** Professor Emeritus of Meteorology and George Lynn Cross Research Professor, School of Meteorology, University of Oklahoma
10:45-11:30	COFFEE BREAK AND REGISTRATION

3

17th International Conference on Meteorology, Climatology and Atmospheric Physics
COMECAP 2025
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Nicosia, Cyprus



Monday 29/09/2025		
	ROOM A COMECAP2025_Online Lectures_Room A https://uoa.webex.com/uoa/j.php?MTID=m3a21bc5105399debe003845536c82d66	ROOM B COMECAP2025_Online Lectures_Room B https://uoa.webex.com/uoa/j.php?MTID=mc9876ad6dbf1afbae5a1e44855065a12
	Chairs: Elena Flocas and Michalis Sioutas	Chairs: Maria Hatzaki and Athanasios Argiriou
TIME	METEOROLOGY	WEATHER AND CLIMATE EXTREMES
11:30-11:45	**On the Evolution of Cyclonic and Anticyclonic Tornadoes in a Supercell in Kansas** *Bluestein H., Margraf J., Greenwood T., Emmerson S., Snyder J., Wicker L.*	**Precipitation nowcasting with weather radar and lightning data assimilation** *Kalogiros J., Portalakis P., Roukounakis N., Katsanos D., Retalis A.*
11:45-12:00	**Parametric Instability of Gravity Waves in Stratified Oscillating Shear Flows** *Kiorpelidis I, Bakas N.A.*	**Impact of Extreme Weather Events on Leaf Emergence Timing: An NDVI-Based Phenological Assessment** *Radoglou K., Milios E., Kitikidou K.*
12:00-12:15	**A Dual Neural Network Framework for Correcting X-Band Radar Reflectivity and Estimating Rainfall Using GPM DPR and Rain Gauge Observations in Cyprus** *Loulli E., Michaelides S., Guerrisi G., Hadjimitsis D.G.*	**Compound Climate Extremes Impacts on Cultural Heritage: The Case of Open Ancient Theatres in Greece** *Nastou M.P., Zerefos S.*
12:15-12:30	**Multi-Source Observational Evidence for Cloud Seeding Potential in Cyprus** *Sioutas M., Brainard A., Wehbe Y., Langerud D.,Boe B.*	**Assessing the Urban Heat Island (UHI) effect using Land Surface Temperature (LST) and Normalized Difference Built up Index (NDBI): A case study for Paphos, Cyprus** *Dimitriou C., Michaelides S., Themistocleous K., Hadjimitsis D.G., Papadavid G., Gitas I., Kyriakides N.*

4

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12:30-12:45	**First results of strategic infrastructure project CYGMEN: Cyprus GNSS Meteorology Enhancement** *Oikonomou C., Haralambous H., Giannadaki D., Tymvios F., Charalambous D., Kotroni V., Lagouvardos K., Loizou E.,*	**Supercell thunderstorms on September 7, 2024 in Greece: Documentation and Predictability** *Christodoulou M., Tegoulias I., Pytharoulis I.*
12:45-13:00	**Hail measurement characteristics in Central Macedonia-relation to radar derived storm parameters** *Chatzi E., Stolaki S., Dimoutsi S., Mylothropoulou A., Delliou D.*	**The Role of the Hellenic Police in the Management of Natural Disasters: Legislative Framework** *Gerontiotou I., Nastos P.T., Argiriou A.A., Maroudas L. (virtual)*
13:00-13:15	**Greek National Hail Suppression Program: Severe supercell of CDC +4 produces egg-size hail in Thessaly on 7 September 2024** *Vlachou M., Brikas D. (virtual)*	**Trends and Impacts of Sea Surface Temperature Changes on Medicane Activity in the Eastern Mediterranean Basin in the Context of Climate Change (1940–2023)** *Avgerinos E., Kostopoulou E., Tegoulias I., Giannakopoulos C., Kotta D. (virtual)*
13:30-15:00	**LUNCH BRAKE**	

Monday 29/09/2025		
	ROOM A COMECAP2025_Online Lectures_Room A https://uoa.webex.com/uoa/j.php?MTID=m3a21bc5105399debe003845536c82d66	ROOM B COMECAP2025_Online Lectures_Room B https://uoa.webex.com/uoa/j.php?MTID=mc9876ad6dbf1afbae5a1e44855065a12
	Chairs: Silas Michaelides and Vassiliki Kotroni	Chairs: Panos Hadjinicolaou and Kostas Lagouvardos
TIME	METEOROLOGY	WEATHER AND CLIMATE EXTREMES
15:00-15:15	**Implementation of Advection–Diffusion and Linear Orographic Schemes for Nowcasting Precipitation** *Pappa A., Kalogiros J., Tombrou M., Anagnostou M.N., Spyrou C., Katsafados P.*	**Investigation of the seasonal cycle of warm spells over the Mediterranean** *Liakakos A., Hadjinicolaou P., Tyrlis E., Zittis G.*
15:15-15:30	**Impact of Anthropogenic Ammonia on Upper Tropospheric Aerosol Composition and Climatic Implications** *Xenofontos C., Christoudias T.*	**The Significance of Upstream Blocking for Mediterranean Cyclones and Precipitation** *Loizou P., Raveh-Rubin S.*
15:30-15:45	**Forecasting Minimum Temperatures for Frost Alerts Using Deep Learning and High-Frequency Meteorological Data** *Hadjigeorgiou A.*	**Exploring rainfall patterns and fatal flood events in an extensive Euro-Mediterranean study: insights from 41 years of data** *Papagiannaki A., Lagouvardos K., Kotroni V., Diakakis M., Kyriakou P.*
15:45-16:00	**Reconstructing Saharan Dust-Cloud Scenes with WRF-L: Initial Evaluation of Aerosol-Aware Ice Nucleation Schemes** *Drakaki E., Marinou E., Nehrir A.R., Katsafados P., Amiridis V.*	**Assessing of factors driving lightning-induced forest fire occurrence potential in the region of East Macedonia and Thrace, Greece** *Chrysafi I., Mitsopoulos I., Kotroni V., Lagouvardos K.*

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16:00-16:15	**Assessing Urban Greening Strategies to Mitigate Heatwave Impacts in Greater Athens Metropolitan Area, Greece** *Kalogeri C., Koukoula M., Saviolakis P.M., Batsios P., Spyrou C., Katsafados P.*	**Assimilation of radar, GNSS and surface weather observations for improved short-term forecasting of extreme rainfall events: a CYGMEN project case study** *Dimitrelos A., Karagiannidis A., Giannaros C., Kotroni V., Lagouvardosa K., Oikonomou C., Haralambous H. (virtual)*
16:15-16:30	**Meteorology in Aratus' Phaenomena** *Aggelis D.E. (virtual)*	**Atmospheric Circulation Processes Leading to the Generation of Halcyon Days in Athens, Greece** *Prezerakos N., Katsanos D. (virtual)*
16:30-16:45	**On the resonant interactions leading to the spontaneous emergence of Rossby waves in a simple model of the atmospheric dynamics** *Stasinos E., Bakas N.A. (virtual)*	**Improving Seasonal Climate Predictability for ImpactRelevant Extremes in the Mediterranean** *Anagnostopoulou C., Velikou K., Manios E.M., Papadopoulos-Zachos A., Kekkou F., Georgiades P., Tolika K., Zittis G. (virtual)*

Tuesday 30/09/2025		
	ROOM A COMECAP2025_Online Lectures_Room A https://uoa.webex.com/uoa/j.php?MTID=m3a21bc5105399debe003845536c82d66	ROOM B COMECAP2025_Online Lectures_Room B https://uoa.webex.com/uoa/j.php?MTID=mc9876ad6dbf1afbae5a1e44855065a12
09:00-09:30	Registration-Welcome	
	Chairs: Panagiotis Nastos and Dimitra Founda	Chairs: Andreas Kazantzidis and Franco Marenco
TIME	CLIMATOLOGY	ATMOSPHERIC PHYSICS
09:30-09:45	**Successive hours of heat stress in Athens based on the Universal Thermal Climate Index (1960–2024)** *Founda D., Katavoutas G.*	**Studying the pre-industrial to present-day effective radiative 2 forcing from wildfire emissions using EC-Earth** *Mourgela R.-N., Rosu I.-A., Boleti E., Petrakis E., Seiradakis K., Gkouvousis A., Le Sager P., Wyser K., Zhang B., Liu P., Voulgarakis A.*
09:45-10:00	**Evaluating Climate Change Risks for Greek Tourism Destinations: A Bioclimatic Approach** *Nastos P.T., Kapsomenakis J., Zerefos C.S.*	**Deep 3D scattering of solar radiation in the atmosphere due to clouds–D3D** *Kazantzidis A., Logothetis S.-A. , Tzoumanikas P., Panagopoulos O., Kosmopoulos G.*
10:00-10:15	**Discomfort Indexes Variation in Athens Greece from 1901 until today** *Psiloglou B.E., Gkinis N., Giannakopoulos C.*	**Direct Radiative Effects of Dust Events Over Limassol, Cyprus in 2024 using Ground-Based Measurements and Modelling** *Charalampous G., Fragkos K., Fountoulakis I., Papachristopoulou K., Nisantzi A., Hadjimitsis D., Kazadzis S.*
10:15-10:30	**Long-Term Trends and Variability of Heatwaves in Greece** *Ioannidis P., Mamara A., Armaos V., Argiriou A.A.*	**The Dust Doctoral Network** *Marenco F., Amiridis V., Costa M.J., et al.,*

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10:30-10:45	**Recent changes in bioclimatic characteristics of Greece based on a bioclimatic classification system** *Sakkouli A., Hatzaki M., Karali A., Konsolaki A., Vassilakis E., Nastos P.T.*	**Validating TIR-derived total column water vapor using sun-photometers and GPS measurements** *Agathangelidis I., Ban Y., Cartalis C., Philippopoulos K.1 (virtual)*
10:45-11:00	**Assessing the impact of land use changes on regional climate over Europe** *Paschou S.-E., Kartsios S., Katragkou E.,*	**Response of aerosols and tropospheric gases to wildfire emission scenarios** *Petrakis M.P., Boleti I., Mourgela R.-N., Seiradakis K., Roșu J.A., Voulgarakis A.(virtual)*
11:00-11:15	**DMS sea-to-air emission fluxes over the Eastern Mediterranean** *Kourakos D., Karatasou S., Kournopoulou A., Raitsos D.E., Karagiorgos J., Sofianos S., Bossioli E.*	**The effect of "Aeolus" data to the accumulated precipitation associated with a severe storm event over Greece** *Avgoustoglou E., Matsangouras I., Pytharoulis I., NastosP.T. (virtual)*
11:15-11:30	**A Spatiotemporal Analysis of Droughts in Greece (1960-2022): 3 Severity, Duration and Frequency using SPI and SPEI indices** *Samouris M., Mamara A., Armaos V., Argiriou A.A.*	**Fog simulations over the city of Ioannina (Greece) and effects of local aerosols on fog formation** *Nasikas S., Korras-Carraca M.B., Hatzianastassiou N., Mihalopoulos N., Bott A. (virtual)*
11:30-12:00	Coffee Break	

Tuesday 30/09/2025		
	ROOM A COMECAP2025_Online Lectures_Room A https://uoa.webex.com/uoa/j.php?MTID=m3a21bc5105399debe003845536c82d66	ROOM B COMECAP2025_Online Lectures_Room B https://uoa.webex.com/uoa/j.php?MTID=mc9876ad6dbf1afbae5a1e44855065a12
	Chairs: John Kapsomenakis and Angeliki Fotiadi	Chairs: Kostas Kourtidis and Dimitrios Balis
TIME	CLIMATOLOGY	ATMOSPHERIC PHYSICS
12:00-12:15	**Summers in Greece – Climate Analysis** *Kampolis D., Nastos P.T.*	**ACTRIS/EARLINET insights for EarthCARE's aerosol classification** *Voudouri K.A., Papagiannopoulos N., Baars H., et al.*
12:15-12:30	**Cloud-Regime Influences on Mediterranean Precipitation Decline** *Konsta D., Kotroni V., Lagouvardos K., Tselioudis G.*	**On the impact of thunder on cloud ice crystals and droplets** *Kourtidis K., Stathopoulos S., Amiridis V.*
12:30-12:45	**Assessing the sensitivity of WRF to surface urban physics** *Kyriakidis I., Pavlidis V., Gkolemi M., Mitraka Z. Chrysoulakis N., Katragkou E.*	**Light-absorbing carbonaceous aerosols at regional background stations in Greece** *Gkogiasvili A., Seraskeri M., Mihalopoulos M., Kardolama P., Kontos N., Karava M.V., Kalivitis N., Kouvarakis G., Sotiropoulou R.E.P., Kaskaoutis D.G., Tagaris E., Mihalopoulos N.*
12:45-13:00	**Seasonal variability and monthly trends in Upper Tropospheric Humidity for the period 1979-2020** *Benetatos C., Eleftheratos K., Nastos P.T., Zerefos C. (virtual)*	**Development of a tool (numerical model) for estimating and forecasting ultraviolet surface solar radiation and UV Index** *Lappa A., Korras-Carraca M.B., Hatzianastassiou N.*

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13:00-13:15	**Investigation of Changes in Precipitation Regime over Greece using ERA5-Land Reanalysis Data** *Anyfantis N., Houssos E.E., Fotiadi A. (virtual)*	**Fluorescence measurements enhance the potential of lidar for aerosol typing** *Peletidou G., Voudouri K.A., Michailidis K., Balis D. (virtual)*
13:15-13:30	**Long-term variability of the probability distribution of surface temperature in Greece based on ERA-5 data** *Lampraki A., Bakas N.A.(virtual)*	**Evaluation of IASI dust related products using sunphotometer and lidar measurements** *Biskas C., Michailidis K., Koukouli M-E., Peletidou G., Balis D. (virtual)*
13:30-15:30	LUNCH BRAKE	

Tuesday 30/09/2025		
	ROOM A COMECAP2025_Online Lectures_Room A https://uoa.webex.com/uoa/j.php?MTID=m3a21bc5105399debe003845536c82d66	ROOM B COMECAP2025_Online Lectures_Room B https://uoa.webex.com/uoa/j.php?MTID=mc9876ad6dbf1afbae5a1e44855065a12
	Chairs: Christos Giannakopoulos and Christos Lolis	Chairs: Constantinos Sioutas and Pavlos Kalabokas
TIME	CLIMATOLOGY	AIR QUALITY, POLLUTION AND ENVIRONMENTAL SUSTAINABILITY
15:30-15:45	**Climate Impacts of Earth's Exposure to the Interstellar Medium** *Miller J.A., Nica A., Opher M., Hatzaki M., Papachristopoulou K.*	**Impact of January 2025 Wildfires on Los Angeles Urban Air Quality** *Sioutas C., Badami M.M., Aghaei Y.*
15:45-16:00	**A climatology of air temperature extremes in the Mediterranean region for the 85-year period 1940-2024** *Kotsias G., Lolis C.J., Mamouri R.E.*	**Air pollutants projections using SHERPA simulator. How can 2 Cyprus achieve cleaner air?** *Ramesh J.B., Neophytides S.P., Livadiotis O., Hadjimitsis D.G., Michaelides S., Anastasiadou M.N.*
16:00-16:15	**CLIMADAT-GRid: A high resolution daily gridded dataset for Greece** *Varotsos K.V., Kitsara G., Karali A., Lemesios I., Patlakas P., Hatzaki M., Tenentes V., Katavoutas G., Sarantopoulos A., Psiloglou B., Koutroulis A.G., Grillakis M.G., Giannakopoulos C.*	**Reliability evaluation of CAMS air quality products in the con-2 text of different land uses: The example of Cyprus** *Ramesh J.B., Neophytides S.P., Livadiotis O., Hadjimitsis D.G., Michaelides S., Anastasiadou M.N.*
16:15-16:30	**Two-year wind observation in Limassol, Cyprus: Monthly and Seasonal analysis from Doppler LiDAR at the CARO National Facility** *Chrysostomou C., Kotsias G., Seifert P., Bühl J., Nisantzi A., Hadjimitsis D., Mamouri R.E.*	**Long-range source apportionment of Black Carbon and CO to Cyprus: A FLEXPART-Based Analysis Across Emission Inventories** *Marios P., Nabavi O.S., Christoudias T.*

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16:30-16:45	**The information entropy of warming in the context of climate change** *Karacosta P., Pakalidou N., Douka M., Karacostas Th.*	**Air quality benefits of ship electrification: A modeling case study for Saronic Gulf, Greece** *Liora N., Poupkou A., Kontos S., Fameli K.-M., Remoundos G., Grigoriadis A., Fragkou E., Assimakopoulos V., Bougiatioti A., Grivas G., Kotrikla A., Mihalopoulos N., Ntziachristos L., Progiou A., Solomos S., Zerefos C.*

18:00-19:30	**Room A** **Hellenic Meteorological Society (HMS) - General Assembly**
20:00-23:30	**Official Dinner | Traditional Greek and Cypriot Dances**

Wednesday 01/10/2025		
	ROOM A **COMECAP2025_Online Lectures_Room A** *https://uoa.webex.com/uoa/j.php?MTID=m3a21bc5105399debe003845536c82d66*	**ROOM B** **COMECAP2025_Online Lectures_Room B** *https://uoa.webex.com/uoa/j.php?MTID=mc9876ad6dbf1afbae5a1e44855065a12*
09:00-09:30	**Registration-Welcome**	
	Chairs: George Zittis and Prodromos Zanis	**Chairs: Konstantinos Moustris and Vassilis Amiridis**
	CLIMATE CHANGE IMPACTS IN AGRICULTURE, ECOSYSTEMS AND HEALTH | RENEWABLE ENERGY, ENVIRONMENTAL TECHNOLOGIES	**AIR QUALITY, POLLUTION AND ENVIRONMENTAL SUSTAINABILITY | APPLIED ENVIRONMENTAL RESEARCH | AI AT THE SERVICE OF CLIMATE SCIENCES**
09:30-09:45	**Climate change and tourism in Cyprus: Stakeholder's perceptions and challenges** *Zittis G., Gavrouzou M., Drousiotis P., Tolika K., Xie D., Economou F., Panayi E., Zoumides C.*	**Assimilation of Satellite Dust Optical Depth in the CiROCCO System: Methodology and Initial Results** *Drakaki E., Georgiou T., Amiridis V.*
09:45-10:00	**Comparing Direct Field Measurements of Soil Erosion with RUSLE Model Estimates in Mediterranean Olive Orchards** *Pantazis C., Nastos P.T.*	**AtmoHub: A National Atmospheric Composition Hub for Air 2 Quality Monitoring and Forecasting in Greece** *Kampouri A., Kartsios S., Kourantos K., et al.*
10:00-10:15	**On the seasonal predictability of West Nile Virus: A Novel Early Warning System for Local Risk Assessment** *Angelou A., Pappa A., Gewehr S., Stilianakis N.I., Kioutsioukis I.*	**Modelling the Influence of Aircraft Emissions on Local Air Quality** *Ioannidis G., Biskos G.*

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10:15-10:30	**Future projections in agricultural drought characteristics for Greece under different climate change scenarios** *Kalisoras A., Georgoulias A.K., Akritidis D., Zanis P.*	**Cross-validation of methods for quantifying the contribution of local (urban) and regional sources to PM2.5 pollution: Application in the Eastern Mediterranean (Cyprus)** *Bimenyimana E., Sciare J., Oikonomou K., Iakovides M., Pikridas M., Vasiliadou E., Savvides C., Mihalopoulos N.*
10:30-10:45	**Investigating the potential effects of SRM employment on vegetation** *Kapsomenakis J., Misios S., Fountoulakis I., et al.*	**CARO NF: A Key Component in Holistic Atmospheric Observation and Complex event Analysis** *Mamouri R.E., Nisantzi A., Panahifar H., Kotsias G., Poutli M., Seifert P., Ansmann A., Hadjimitsis D.,*
10:45-11:00	**Trends in temperature-related mortality and signs for adaptation to heat and cold in the eastern Mediterranean** *Psistaki K., Kouis P., Michanikou A., Yiallouros P.K., Papatheodorou S.I., Paschalidou A.K.*	**Deep learning bias correction and downscaling of seasonal to decadal climate predictions for the Mediterranean** *Georgiades P., Ashiotis G., Nicolaou M., Christoudias T., Anagnostopoulou C., Zittis G.*
11:00-11:15	**Thermal Comfort in the Urban Environment of Nicosia: Assessing Downscaled UTCI Predictions from UMEP Using CFD Simulations** *Alexandrou G., Mouzourides P., Antoniou N., Neophytou K.-A.M.*	**Modeling smoke emissions and transport for wildfire using satellite observations and Lagrangian dispersion modeling** *Kourantos T., Kampouri A., Gialitaki A., Tsichla M., Marinou E., Amiridis V., Kioutsioukis I. (virtual)*
11:15-11:30	**Associating Crop Yield Losses in Greece Using Binary Logistic Regression Models Based on Climatic Indices and ERA- and CMIP6- derived Data** *Mavrommatis T.*	**Assessment of biometeorological conditions in the ancient olive grove campus of the University of West Attica** *Roumeliotis C., Moustris K., Spyropoulos G., Mavroulidis M., Touralia (virtual)*

11:30-11:45	**Assessing Solar Energy Production from PV Systems with a Focus on the Impact of Atmospheric Conditions** *Christodoulou K., Lelieveld J.*	**Forecasting of the Capacity Factor of a Photovoltaic System 2 Using Artificial Intelligence and Machine Learning Modeling** *Jbeily V., Moustris K., Spyropoulos G. (virtual)*
11:45-12:00	**A climate suitability model for olive cultivation in Greece** *Droulia F.,Charalampopoulos I. (virtual)*	**A deep learning framework for downscaling meteorological fields in the European domain** *Fragkoulidis G., Kyros G., Kotroni V., Lagouvardos K. (virtual)*
12:00-12:30	Coffee Break	

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	ROOM A COMECAP2025_Online Lectures_Room A https://uoa.webex.com/uoa/j.php?MTID=m3a21bc5105399debe003845536c82d66	ROOM B COMECAP2025_Online Lectures_Room B https://uoa.webex.com/uoa/j.php?MTID=mc9876ad6dbf1afbae5a1e44855065a12
	Chairs: Stergios Missios and Nikos Hatzianastasiou	Chairs: Christina Anagnostopoulou and Athina Progiou
TIME	RENEWABLE ENERGY, ENVIRONMENTAL TECHNOLOGIES	CLIMATE VARIABILITY, PREDICTABILITY AND CHANGE, ADAPTATION AND MITIGATION STRATEGIES
12:30-12:45	**Solarizing Europe's Capitals: Assessing Urban PV Potential and Socio-economic Benefits Across the EU** *Thomas P., Ktena A., Kosmopoulos P.*	**BIOASTY: Sustainable Urban Design for Climate Resilience** *Progiou A.G., Polychroni I., Nastou M.-P.P., Charalampopoulos I., Benetatos C., Gkikas A., Spyrou C., Solomos S., Eleftheratos K., Zerefos S., Nastos P.T.*
12:45-13:00	**Solar Irradiation Insights: Bridging Urban Complexity and GPU Power with Digital Twins for Rooftop PV Installations** *Lavdakis N., Kosmopoulos P., Prenner L., Halbmayr A.*	**Mitigation measures towards net zero carbon emissions** *Voudouri A., Metheniti K., Oikonomou A.*
13:00-13:15	**An Overview of the Proteas BSRN station** *Fragkos K., Milidonis K., Georgiou M., Marenco F.*	**Effects of urban parametrization complexity in WRF model: a case study of a heatwave over Paris** *Constantinidou K., Hadjinicolaou P., FPS URB-RCC team*
13:15-13:30	**Harnessing Solar Energy in a Changing Climate: Regional Potential and Sustainable Strategies in Greece** *Vigkos S., Kosmopoulos P.G.*	**Indicating Compound Hazards on Porous Building Materials of Greece's Monuments** *Markantonis I., Katrakazis T., Vlachogiannis D., Sfetsos A., Karatasios I.*

13:30-13:45	**Wind Turbines and Olive Oil Production in Central Peloponnese, Greece: Balancing Renewable Energy and Agricultural Sustainability** *Vigkos S., Kosmopoulos P.G.*	**Weather Patterns as Predictors of West Nile Virus Infection Risk in Greece** *Angelou A., Stilianakis N.I., Kioutsioukis I.*
13:45-14:00	**Climatological Trends and Effects of Aerosols and Clouds on Bifacial Solar Park in Kozani, Greece** *Baxevanaki E., Kaskaoutis D., Kosmopoulos P.*	**Terrestrial Water Variations, Trends, and Extremes in Different World Parts** *Destouni G., Zarei M.*
14:00-14:15	**Modeling Green Hydrogen Production to Mitigate Renewable Energy Curtailment in the Greek Grid** *Basoulou M., Kosmopoulos P.*	**Mediterranean amplification in the LESFMIP simulations** *Misios S., Douvis K., Stavraka T., Kapsomenakis J., Solomos S., Gkikas A., Spyrou C., Fountoulakis I., Poupkou A., Kalabokas P., Zerefos C.*
14:15-14:30	**AI-Based Energy Management and Optimization for Urban Infrastructure: A Case Study in Trikala, Greece** *Chasiotis A., Gialama S., Piromalis D., Nastos P.T.*	**Atmospheric Pollutant Emissions and Hydrological Data with Anthropocene Elements. Critical Theory and Technologies of Balance in the Climate - Economy - Society Axis** *Kourti-Doulkeridou K., Nastos P.T., Vlahakis G. (virtual)*
14:30-14:45	**Estimation and evaluation of the aeolian and solar potentials over the greater Greek region on a climatological basis and intercomparison between them** *Evangelou O., Hatzianastassiou N., Stamatis M., Korras-Carraca M.B., Kavadias K. (virtual)*	**The evolution of climate in Greece by the Johansson, Kerner and Pinna indices** *Kiorouktsidou A., Droulia F., Charalampopoulos I. (virtual)*
END OF CONFERENCE		

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Poster Sessions

Monday 29/09/2025 Time: 17:00 – 18:00

M1	**Hail measurement characteristics in Central Macedonia – spatial and temporal distribution** *Dimoutsi S., Chatzi E., Mylothropoulou A., Stolaki S., Delliou D.*
M2	**A Verification Procedure for Terminal Aerodrome Forecasts** *Boucouvala D., McCooey D.*
M3	**The Extreme Storm over the Cyclades on March 31, 2025: The Role of Warmer Sea Surface Temperatures in the Intensification of the Event** *Kondilis T.H., Arsenis S.T.*
M4	**Orographic Effect correlation with Convection During a Low-Pressure System passage Over Greece in September 2023** *Arsenis S.T., Samosl., Nastos P.T.*
M5	**The Three-dimensional Asymmetric Holmboe Instability** *Melitas G., Bakas N.A.*
M6	**Integrating NWCSAF Nowcasting Tools into the Regional Cloud Seeding Program: A Case Study on 1 November 2023 in Saudi Arabia** *Matsangouras I., Logothetis S.-A., Albar A.*
M7	**Establishing diurnal cycle and propagation of convection using an S-band single-polarization radar in Zambales, Philippines** *Torrion C., Bagtasa G.*
M8	**Assessing the role of parameterization schemes in WRF-ARW for the prediction of the 2024 Spanish floods** *Agazarian N., Charisi E., Kanteli E. et al.*

M9	**Urban Microclimate Variability in a Mediterranean Basin City: Mobile Monitoring and Multivariate Analysis in Athens, Greece** *Giannaros C., Papagiannaki K., Kyriakou P., Agathangelidis I., Vafeiadis V., Bezesa A., Kotroni V., Lagouvardos K.*
M10	**Persistent Challenges of Cloud Observations and Forecasts** *Gofa F., Samos I., Vagenas G., Louka P.*
WCE1	**A Multidimensional framework for Flood Risk Analysis in the Garyllis Catchment, Cyprus** *Kountouri J., Panagiotou C.F., Tsouni A., Sigourou S., Pagana V., Kontoes C., Danezis C., Hadjimitsis D.*
WCE2	**Enhancing Civil Protection Capabilities through Modular Early Warning Systems in Greece** *Lagouvardos K., Kotroni V., Bezes A., Giannaros T., Giannaros C., Karagiannidis A., Koletsis I.*
WCE3	**Spatiotemporal Analysis of Forest Fires in Cyprus Using Earth Observation and Climate Data** *Prodromou M., Girtsou S., Leventis G., Charalampous G., Apostolakis A., Tzouvaras M., Mettas C., Giannopoulos G., Kontoes C., Hadjimitsis D.*
WCE4	**Development of a Spatial Methodology for Minimum Temperature Estimation for Early Frost Management in Agricultural Areas of Central Macedonia** *Chronopoulos K., Christoforides E., Kamoutsis A, Panagiotou I.*

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Tuesday 30/09/2025 Time: 17:00 – 18:00

C1	**The study of the Urban Heat Island effect in Cyprus for the period 2013-2023 by using Google Earth Engine** *Soteriades C., Michaelides S., Hadjimitsis D.*
C2	**Development of a novel metric for the spatial evaluation of climate models** *Karpasitis A., Hadjinicolaou P., Zittis G.*
C3	**Observed Changes in Temperature Extremes over Greece: Warm and Cold Spells** *Mamara A., Argiriou A.A., Karatarakis N., Armaos V.*
C4	**Variability and long-term trends of CO2 & CH4 in European countries, using CAMS global reanalysis data** *Mermigkas M., Kartsios S., Kampouri A., Drosoglou T., Amiridis V.*
C5	**Evaluation of historical climate model simulations for compound extremes in Mediterranean metropolitan cities** *Polychroni I., Nastos P.T., Hatzaki M.*
C6	**A study on precipitation climatology in the Mediterranean region for the period 1997-2021 with the use of daily GPCP data** *Fakos N., Lolis C.J., Stamatis M., Hatzianastassiou N.*
AP1	**Dust mineralogical composition comparison determined with in situ measurements and METAL-WRF model at Cape Verde in June 2022 (ASKOS campaign)** *Tsichla M., Solomos S., Kandler K., Tsekeri A., Kezoudi M., Papetta A., Marenco F., Marinou E., Voudouri K.A., Mihalopoulos N., and Amiridis V.*
AP2	**Cloud Condensation Nuclei (CCN) and Ice Nucleating Particles (INP) conversion factors based on Thessaloniki and Leipzig AERONET stations using CALIPSO aerosol typing** *Karageorgopoulou A., Amiridis V., Georgiou T., Marinou E., Giannakaki E.*

AP3	**Impacts of wildfires on the global atmosphere: multi-year simulations using a range of emissions datasets** *Paraskevopoulou K., Vamvakaki C., Myriokefalitakis S., Mourgela R.-N., Petrakis, E., Seiradakis K., Voulgarakis A.*
AP4	**Advancing effective Climate Change education by using remote sensing technologies: Leveraging the Research Infrastructure of the LAP/AUTh in Greece** *Michailidis K., Garane K., Topaloglou C., Balis D.*
AP5	**Model-based assessment of direct radiative effect of dust aerosol episodes in the broader area of Mediterranean Basin** *Gavrouzou M., Hatzianastassiou N., Korras-Carraca M.B., Stamatis M., Matsoukas C., Lolis C.J., Mihalopoulos N., Vardavas I.*
AP6	**Wildfire smoke cases: Lidar observations in Cyprus** *Poutli M., Mamouri R. E., Hadjimitsis D., Nisantzi A., Ansmann A.*
AP7	**Using the ESA eVe reference lidar for the cal/val of lidar instruments onboard ESA satellite missions** *Paschou P., Marinou E., Voudouri K.A., Siomos N., Gkikas A., von Bismarck J., Fehr T., Amiridis V.*
AP8	**Studying Desert Dust from the Sahara and the Middle East using the Cyprus Atmospheric Remote Sensing Observatory over Limassol, Cyprus** *Savva A., Nisantzi A., Hadjimitsis D., Ansmann A., Mamouri R.E.*
AP9	**UAV-Based Insights into Cloud Particle Size Distributions from the CHOPIN Campaign** *Papetta A., Marenco F., Bezantakos S., Voß A., Goret M., Håkansson L., Michailidis K., Biskos G., Kezoudi M., Mihalopoulos N. Sciare J.*
AP10	**Spectral Analysis of Solar Irradiance and its Impact on Photovoltaic System Performance: A Study of Atmospheric Conditions in Patras, Greece** *Gjyli E., Kazantzidis A.*
AP11	**Effect of wildfire emissions on cloud properties since the preindustrial times** *Boleti E., Mourgela R.N., Voulgarakis A.*

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AP12	*Aerosol background conditions in the Eastern Mediterranean: The PANhellenic GEophysical observatory of Antikythera* *Voudouri K.A., Marinou E., Tsichla M., Rizos K., Tsikoudi I., Gialitaki A., Paschou P., Kouklaki D., Kampouri A., Tsekeri A., Amiridis V.*
AP13	**National Integration and Optimization of CAMS Products: The Eratosthenes Center of Excellence as National Coordinator for Atmospheric Monitoring in Cyprus** *Anastasiadou M., Michaelides S., Hadjimitsis D.G.*
AP14	**Projected PM2.5-associated mortality in Europe based on three climate scenarios** *Paisi N., Pozzer A., Steffens B., Lelieveld J.*
AP15	**Application of LiDAR Remote sensing for aerosol monitoring: Case studies in Cyprus and Greece** *Malesi C., Giannakaki E., Soupiona O.*
AP16	**Economic costs associated with the adverse health effects of PM10 and O3 health over the Greater Athens Area, Greece for the Period 2001–2019** *Ntourou K., Fameli K.-M., Tsitsis C., Papachristos T., Moustris K., Manousakis N.*
AP17	**The Evolution of the Interannual and Seasonal Variation of the main Gaseous 3 and Particulate Pollutants in Athens, Greece, for 2001-2023** *Stavraka Th., Kapsomenakis J., Poupkou A., Douvis K., Kalabokas P.*
AP18	**Comparison of methane concentrations between CMIP6 Earth System Model simulations and CAMS reanalysis fields** *Paschou S.-E., Kalisoras A., Zanis P.*
AP19	**Air pollution and extended hospital burden: A proxy approach to health and economic strain in the Greater Athens Area, Greece** *Kladakis A., Fameli K.M., Moustris K., Assimakopoulos V.D., Nastos P.T.*
AP20	**Analysis of PM2.5 concentrations from insect repellent emissions through a bag filter unit** *Tsitsis C., Moustris K., Ntourou K., Laios A.*

AP21	**Thermal inversions vs. NO2 and SO2 concentrations in winter seasons in Łeba (Poland)** *Nidzgorska-Lencewicz J., Czarnecka M.*
AP22	**Electrification of Transportation in Greece: A Study on CO2 Emission Reduction Potential and Energy Mix Implications** *Spyropoulos G., Spyrakis K., Moustris K., Mavroulidis M., Touralia I.*
AER1	**Etesian Winds and Sea Surface Chlorophyll Concentrations over Eastern Aegean** *Kotta D.*
AER2	**Primary sources of submicron organic aerosol in the Eastern Mediterranean. How and why are they different from the rest of Europe** *Pikridas M., Christodoulou A., Chen G. Stavroulas I., Sauvage S., Oikonomou K., Savvides C., Sciare J.*
AER3	**New particle formation at a rural site in Cyprus** *Baalbaki R. Pikridas M., Jokinen T., Sciare J., Petäjä T., Kulmala M.*
CCAEH1	**Future changes based on Climate Risk indicators across the Troodos Mountains in Cyprus** *Politi N., Markantonis J., Sfetsos A., Vlachogiannis D., Shakou L.M.*
CCAEH2	**Synergistic effect of air pollution and temperature on mortality in Europe** *Tzyrkalli A., Fragkeskos K., Panagi M., Economou T.*
CCAEH3	**Heatwave-Related Mortality Prediction Using Machine Learning: Integrating Historical and Future Climate Data** *Petrou I., Kassomenos P.*
CCAEH4	**Projected Mortality from Extreme Temperature Events in Cyprus Under Climate and Socioeconomic Scenarios** *Kekkou F., Economou T. Proestos Y., Zittis G.*

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CCAEH5	**The evolution of climate in Greece by Johansson, Kerner and Pinna indices** *Kiorouktsidou A., Droulia F., Charalampopoulos I.*
CCAEH6	**Climate change impact on Mediterranean watersheds: A case study for the 2030-2060 surface water resources of the Troodos Mountains in Cyprus** *Sofokleous I., Zittis G., Dörflinger G., Bruggeman A.*
CCAEH7	**Drought Assessment in the Philippines using Enhanced Vegetation Index (EVI) based Agricultural Drought Indices** *Labisores R.B., Racoma B.-A.B., Perez G.-J.P.*
REET1	**ClimateHub: Seasonal to decadal predictions for national renewable energy management** *Kartsios S., Misios S., Patlakas P.,*
REET2	**Future Projections of Photovoltaic Power Generation Potential Change in Greece Based on High-Resolution EURO-CORDEX RCM Simulations** *Georgoulias A.K., Akritidis D., Kalisoras A., Melas D., Zanis P.*
CVPCAMS1	**Cooling Urban Municipalities through Sustainable Microcli3 mate Interventions: The Case of Kallithea in the Greater Athens Area** *Stavropoulos T., Feloni F., Prokopiadi C.-C., Sklia M., Hloupis G., Nastos P.T.*
CVPCAMS2	**Intensive Mediterranean Sea cruise campaign for the characterization of the atmospheric and marine environment, with emphasis on the impact of desert dust and marine aerosol under Climate Change conditions** *Spitieri C, Gini M.I., Granakis K., et al.*
CVPCAMS3	**On the study of the frequency variability of cyclonic tracks in the Mediterranean with the aid of the method causal effect network (CEN)** *Massas A., Hatzaki M., Flocas H., Donner R., Di Capua G.*
CVPCAMS4	**Temporal Trends in Avalanche Activity and Selected Snow and Meteorological Variables in the Aosta Valley, Italy** *Bee C., Zugliani D., Rosatti G.*

CVPCAMS5	**Decoding Climate Variability in Europe with Annual Köppen Classification** *Tsanikidou S., Anagnostopoulou C.*
CVPCAMS6	**Striking the Balance: Reducing Ensemble Size in SEAS5 Without Compromising Forecast Efficiency** *Manios E.M., Anagnostopoulou C., Velikou K., Papadopoulos-Zachos A., Tolika K.*
CVPCAMS7	**Use of Meteosat CM SAF products for cloud and incoming solar radiation analyses over Greece** *Karagiannidis A., Eleftheriadis A., Anagnostopoulou C.*
CVPCAMS8	**Advancing effective Climate Change education by using remote sensing technologies: Leveraging the Research Infrastructure of the LAP/AUTH in Greece** *Michailidis K., Garane K., Topaloglou C., Balis D.*

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Appendix H: Agenda of the International Symposium Cultural Property Protection

Opening Ceremony: Welcome Remarks and Greetings from the Organizers. Moderator: Ms Eliana Iliofotou		
09:30 – 09:40	H.E. Vassiliki Kassianidou	Deputy Minister of Culture of Cyprus
09:40 – 09:50	Dr Panicos Pourgourides	Head of the Representation of the European Commission in Cyprus
09:50 – 10:00	H.E. Antonella Cavallari	Ambassador of Italy in Cyprus
10:00 – 10:10	Dr Katariina Leinonen	Head of Division – Integrated Approach for Peace and Security European External Action Service
10:10 – 10:20	Ms Medea Sogor Ekner	ICOM Director General
10:20 – 10:30	Ms Medea Sogor Ekner	ICOM Director General
10:30 – 10:40	Prof Diofantos Hadjimitsis	Managing Director ERATOSTHENES Centre of Excellence

Session 1: European and International Institutional Perspectives. Moderator: Dr Konstantinos Roussos		
10:40 – 11:00	**Angela Atzori** Illicit trafficking of cultural goods: EU policy perspectives and actions	Team Leader – Cultural Heritage European Commission Directorate General for Education, Youth, Sport and Culture
11:00 – 11:20	**Sophie Delepierre** The role of ICOM and the international museum community in Cultural Heritage Protection	Head of Heritage Protection at ICOM
11:20 – 11:40	***COFFEE BREAK Sponsored by the Embassy of Italy in Cyprus***	
11:40 – 12:00	**Aparna Tandon** Towards Integrated and People Centred Approaches for Managing the Risk of illicit Trafficking and Looting of Cultural Heritage	Project Manager and Leader of the First Aid to Cultural Heritage in Times of Crisis Programme at ICCROM
12:00 – 12:20	**Murat Yildiz** Disrupting Criminal Networks Behind Cultural Property Trafficking: From Intelligence to International Cooperation	Trafficking in Cultural Property Lead at the UNODC
12:20 – 12:40	**Anastasiia Cherednychenko** Protecting Cultural Heritage in Times of Crisis and War	Chair of ICOM Ukraine
12:40 – 13:20	**PANEL DISCUSSION**	
13:20 – 14:30	***LUNCH BREAK*** *Sponsored by the Embassy of Italy in Cyprus*	

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Session 2: Operational Tools and Field Applications. Moderator: Mr Alfio Gullotta		
14:30 – 14:50	**Giuseppe Marseglia** The Carabinieri Command for the Protection of Cultural Heritage: history, organization, tasks, and operational tools	Commander of the Carabinieri for the Protection of Cultural Heritage – Monza Unit
14:50 – 15:10	**Maria Xanthou** The Illicit Trafficking of Cyprus's Cultural Heritage, especially Religious Historical Items – Cyprus Police Activities	Office Combatting Illicit Possessions and Trafficking of Antiquities of the Cyprus Police
15:10 – 15:30	**Cameron Walter** The OSCE Heritage Crime Task Force: Global Law Enforcement Coordination in the Fight Against Trafficking of Cultural Property	Head of the OSCE Heritage Crime Task Force
15:30 – 15:50	***COFFEE BREAK Sponsored by the Embassy of Italy in Cyprus***	
15:50 – 16:10	**Tiziano Coiro** INTERPOL Support for Cultural Property Protection across Europe, the Mediterranean, and the Gulf Region	Head of the INTERPOL Works of Art Unit
16:10 – 16:30	**Dante Abate** V.E.R.I.T.A.S. An AI-driven platform for the identification of trafficked artworks in online markets	Researcher at the ERATOSTHENES Centre of Excellence
16:30 – 17:10	**PANEL DISCUSSION**	
19:00	***SOCIAL DINNER Co-Sponsored by the ERATOSTHENES Centre of Excellence and the European External Action***	

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Session 3: Museums and National Authorities in Cultural Property Protection. Moderator: Dr Dante Abate		
10:00 – 10:20	**Abdullatif Mohammed Al-Jasmi** International Cultural Heritage Relations in the Context of Fragility	Director of Cultural Heritage Protection – Qatar Museums
10:20 – 10:40	**Alfio Gullotta** Cross-cutting cooperation in EU external action on cultural heritage protection	Policy Officer External European Action Service
10:40 – 11:00	**Maxim Nasra** The role of cultural institutions: the Himaya Project at Qatar National Library – Raising awareness and building capacity in the Arab region	Head of Preservation and Conservation at Qatar National Library
11:00 – 11:20	***COFFEE BREAK Sponsored by the ERATOSTHENES Centre of Excellence***	
11:20 – 11:40	**Efthymios Shaftacolas** Illicit trafficking of cultural property: methods and strategies of the Department of Antiquities, Cyprus	Archaeological Officer at the Department of Antiquities of Cyprus
11:40 – 12:00	**Lujza Varga** How can museums tackle heritage crime? The practice of the Hungarian National Museum Public Collection Centre	Leader of the department for international cooperation at the Hungarian National Museum
12:00 – 12:40	**PANEL DISCUSSION**	
12:40 – 13:10	**A.G. Leventis Gallery Guided Tour**	
13:10 – 14:20	***LUNCH BREAK Sponsored by the ERATOSTHENES Centre of Excellence***	

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Session 4: Legal and Criminological Perspectives. Moderator: TBC		
14:20 – 14:40	**Marina Solomidou Ieronymidou** Implementation of the Nicosia Convention	President of the National Commission for UNESCO
14:40 – 15:00	**Ala'a Otain** Cultural Heritage Protection in the Kingdom of Saudi Arabia: Implementing the 1954 and 1970 Conventions	Team Lead at the Saudi Heritage Commission
15:00 – 15:20	**Christos Tsirogiannis** 30 years of forensic research on international trafficking networks of antiquities: evidence, developments, and problems	Head of WG Illicit Antiquities at the UNESCO Chair on Threats to Cultural Heritage, Ionian University.
15:20 – 15:40	***COFFEE BREAK Sponsored by the ERATOSTHENES Centre of Excellence***	
15:40 – 16:00	**Arianna Visconti** At the crossroads of EU and international law (soft and hard): the 2022 (unfinished) reform in Italy	Associate Professor at the University Cattolica of Milan
16:00 – 16:20	**Donna Yates** Cultural Heritage and Emerging Crime: Developing a Future-Focused Model of Threat and Harm	Associate Professor at Maastricht University
16:20 – 17:00	**PANEL DISCUSSION**	
17:00 – 17:15	**SYMPOSIUM CLOSING**	

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Appendix I: Agenda of the Riding the Wave: Advancing the EU Ocean Pact through Science, Innovation and Cooperation

CYPRUS PRESIDENCY OF THE COUNCIL OF THE EU

11 MAY 2026

VENUE: ADAMS BEACH HOTEL, AYIA NAPA

Riding the Wave: Advancing the EU Ocean Pact through Science, Innovation and Cooperation

Preliminary Programme

10 May 2026

Venue: Adams Beach Hotel

18:00 **Welcome Dinner for Speakers** at the Glasshouse Lounge Restaurant, Adams Beach Hotel

11 May 2026 – Day 1: Riding the Wave of the EU Ocean Pact implementation

Venue: Adams Beach Hotel

08:15 Registration and Networking Coffee

Opening of exhibition area (throughout the day)

Photo exhibition 'From Sky to Seafloor: Discover Cyprus Marine environments' with contributions from the Cyprus Marine and Maritime Institute and Eratosthenes Centre of Excellence (**throughout the day**).

09:15 **Institutional welcome addresses**

Dr. Nicodemos Damianou, Deputy Minister of Research, Innovation and Digital Policy (DMRID)

Dr. Theodoulos Mesimeris, Acting Permanent Secretary of the Shipping Deputy Ministry

Mr. Zacharias Siokouros, CEO of the Cyprus Marine and Maritime Institute (CMMI)

Prof. Diofantos G. Hadjimitsis, Managing Director of the Eratosthenes Centre of Excellence

Opening speech

H.E. EU Commissioner Dr. Costas Kadis

10:15 **Keynote Session: "From Ocean Knowledge to Policy Impact: Implementing the EU Ocean Pact through Science, Data and Innovation"**

The European Ocean Pact calls for stronger integration of science, data, and innovation into policymaking to safeguard ocean health while strengthening Europe's blue economy. This keynote session will explore how Europe's ocean knowledge system—from large-scale observation infrastructures to scientific advisory bodies—can effectively support the implementation of the Pact and the upcoming Ocean R&I Strategy. Speakers will discuss

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the role of ocean observation, digital tools and scientific cooperation in informing governance, improving policy coherence, and supporting evidence-based decision-making. The discussion will also highlight how initiatives such as EMODnet, Mercator Ocean and European research networks contribute to transforming marine knowledge into operational services, strategic foresight and policy guidance at European and global levels.

Ms. Wiebke Pankauke, Head of Unit "Ocean, Seas and Waters", Directorate General for Research and Innovation, European Commission
Dr. Vicente Fernandez Lopez, Policy Officer at the Directorate General for Maritime Affairs and Fisheries (DG MARE), European Commission
Dr. Karina von Schuckmann, Senior Advisor, Ocean Science for Policy, at Mercator Ocean International
Prof. Sheila Heymans, Executive Director of the European Marine Board
Prof. Kate Larkin, Head of the European Marine Observation and Data Network (EMODnet) Secretariat
Dr. Daniel Hayes, Marine Sciences Research Director, Cyprus Marine and Maritime Institute (CMMI)

Session moderator: Ms. Tatiana Der Avedissian, Head of Business development, World Ocean Initiative, The Economist Group

11:15 Coffee Break and Group Picture

11:45 **Plenary 1 – Advancing Ocean Governance through Science and Innovation: Strengthening Ocean Governance for the EU Ocean Pact**

Achieving effective ocean governance under the EU Ocean Pact requires stronger integration between scientific knowledge, research infrastructures, societal perspectives and policy implementation. This session will explore how marine science, innovation and interdisciplinary collaboration can support more coherent decision-making across Europe's seas, including through strengthened science-to-governance mechanisms and improved access to marine data, services and biological resources. Particular attention will be given to the role of Marine Spatial Planning (MSP) as a strategic tool to balance environmental protection, economic activities and long-term resilience in increasingly crowded maritime spaces. Speakers will also highlight how European marine research infrastructures and long-term observation systems contribute to evidence-based policymaking, ecosystem-based management and policy implementation, while social sciences and stakeholder engagement can strengthen governance frameworks by incorporating societal values, improving policy legitimacy and supporting more inclusive and adaptive ocean management across European sea basins.

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Prof. Siri Granum Carson, Professor at Norwegian University of Science and Technology-NTNU Oceans

Prof. David Menier, President of Université Bretagne Sud (UBS)

Dr. Nicolas Pade, Executive Director of the European Marine Biological Resource Centre (EMBRC-ERIC)

Dr. Christodoulos Mettas, Department Coordinator of the Resilient Society of the ERATOSTHENES Centre of Excellence, Project Manager of the Marine Spatial Planning sector of the Cyprus University of Technology & Eratosthenes CoE

Session moderator: Dr. Renuka Badhe, Secretary General of EuroGOOS

13:00 Networking Lunch.
Exhibition area open.

14:30 **Plenary 2 – Restoring Ocean Health in Europe: From Marine Science to Policy, Innovation and Societal Action**

Restoring marine ecosystems and safeguarding biodiversity are central ambitions of the EU Ocean Pact and the EU Mission "Restore our Ocean and Waters". This session will explore how scientific knowledge, research infrastructures and innovative solutions can better support effective restoration policies and regulatory frameworks. Speakers will discuss emerging practices for ecosystem restoration, approaches to reducing marine pollution, sustainable aquaculture approaches and the role of biodiversity-positive strategies such as nature-based solutions. The discussion will also highlight how collaboration between research institutions, technology providers and policymakers can accelerate implementation, while strengthening public engagement and ocean stewardship through improved ocean literacy and societal awareness.

Prof. Richard Sempéré, Director of Ocean Sciences Institute, Aix-Marseille University, France

Dr. Christos Arvanitides, CEO of LifeWatch ERIC, Spain

Prof. Lina Mtwana Nordlund, Associate Professor at Uppsala University, Sweden

Dr. Pantelis Katharios, Founder, Aquatic Biologicals and Researcher at Hellenic Centre for Marine Research, Greece

Session moderator: Mr. José Luiz Moutinho, Consortia and Network Development Advisor, KAUST National Transformation Institute (NTI), Saudi Arabia

This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 857510.

This project has received funding from the Government of the Republic of Cyprus through the Directorate General for the European Programmes, Coordination and Development as well as the Cyprus University of Technology.

16:00 **Parallel Workshops**

Workshop A: Blue Carbon and Climate Neutrality: Nature-Based Solutions and Ocean Accounting for Europe's Climate Goals

The EU Ocean Pact recognises the ocean as a key ally in achieving climate neutrality, notably through the protection and restoration of blue carbon ecosystems. This workshop will explore how coastal and marine nature-based solutions—such as seagrasses, saltmarshes and other carbon-sequestering habitats—can contribute to climate mitigation while strengthening ecosystem resilience. Experts will discuss emerging approaches to blue carbon accounting, the role of science in supporting credible carbon mFARREEEEEEarkets, and the policy frameworks needed to integrate ocean-based climate solutions into European and regional strategies. Particular attention will be given to Mediterranean dynamics and coastal pressures, highlighting how research and monitoring can inform practical pathways for scaling blue carbon initiatives across European sea basins.

Dr. Peter Haugan, Chair of JPI Oceans
Prof. Dr. Martin Zimmer, Co-Leader of Research Program Area "Ecosystem Co-Design", Leibniz Centre for Tropical Marine Research, ZMT Bremen
Dr. Florin Timofte, Scientific Director of National Institute for Marine Research and Development "Grigore Antipa"
Ms. Fernanda Ferreira, Master's student in Law and Economics of the Sea at NOVA School of Law, Early Career Ocean Professional (ECOP) representative

Session moderator: Mr. José Luiz Moutinho, Consortia and Network Development Advisor, KAUST National Transformation Institute (NTI), Saudi Arabia

Workshop B: Decarbonising Maritime Transport in Europe: Innovation, Regulation and Market Incentives for a Net-Zero Shipping Sector

Decarbonising maritime transport is a central pillar of Europe's climate strategy and a key objective of the EU Ocean Pact. This workshop will examine how innovation, regulation and market incentives can accelerate the transition towards low- and zero-emission shipping. Bringing together industry leaders, policymakers, technology providers and research organisations, the session will explore emerging decarbonisation solutions, i including carbon capture, digital optimisation and new propulsion pathways, while ensuring robust assessment of their real climate impact, environmental implications and long-term sustainability. Discussions will also address the evolving EU regulatory framework, the role of emissions pricing and incentive mechanisms, and the importance of safety and operational standards. Particular attention will be given to how collaboration between industry, technology developers and policymakers can support scalable solutions for a

competitive and climate-neutral European maritime sector.

Mr. Prabhat Jha, CEO of MSC Shipmanagement Ltd Cyprus
Mr. Jaap Gebraad, Secretary General of Waterborne
Mr. Nikolaos Milionis, Member of the European Court of Auditors
Dr. Mathieu Poupon, Postdoctoral Researcher at CNRS–LOCEAN (IPSL, Sorbonne Université), Early Career Ocean Professional (ECOP) representative

Session moderator: Mr. Nicholas Rich, Director of Fleet Management at Bernhard Schulte Shipmanagement Ltd

Workshop C: The Mediterranean at a Crossroads: Science, Heritage and Regional Cooperation for a Sustainable Sea Basin

The Mediterranean Sea faces growing pressures from climate change, pollution, biodiversity loss and competing maritime uses, placing both ecosystems and the region's exceptionally rich cultural heritage at increasing risk. Safeguarding this shared legacy requires integrated sea-basin governance. In the context of the EU Ocean Pact and emerging Mediterranean initiatives, this workshop will explore how science, regional cooperation and policy coordination can address these interconnected challenges. Bringing together research institutions, regional initiatives and civil society, the discussion will examine pathways to strengthen science–policy interfaces, foster collaboration between northern and southern Mediterranean partners, and promote sustainable and culturally aware blue economy solutions across the basin.

Dr. Antonella Autino, Programme Manager Partnership for Research & Innovation in the Mediterranean area (PRIMA)
Prof. Mario Sprovieri, Director of Institute of Marine Sciences (ISMAR) National Research Council (CNR)
Ms. Rym Benzina Bourguiba, President of La Saison Bleue
Dr. Anna Demetriou, Senior Associate Scientist at CMMI
Mr. Giuseppe Provenzano, Project Manager for Research and Innovation at the Union for the Mediterranean

Session moderator: Prof. Fraser Sturt, Director of Southampton Marine & Maritime Institute (SMMI)

17:15 Refreshments Break

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CYPRUS PRESIDENCY OF THE COUNCIL OF THE EU

11 MAY 2026

VENUE: ADAMS BEACH HOTEL, AYIA NAPA

17:30 **High-Level Closing Ceremony – "Shaping Europe's Ocean Future: From the EU Ocean Pact to the Road toward an EU Ocean Strategy 2030"**

In presence of Ambassadors and Delegations from EU Member States and countries accredited to Cyprus

This high-level closing session will reflect on the key messages emerging from the conference and their relevance for advancing Europe's ocean agenda in the context of the EU Ocean Pact and the forthcoming EU Ocean R&I Strategy. The session will also mark the symbolic handover to the Irish Presidency of the Council of the European Union, underlining the continuity of European leadership in ocean governance. This moment will reaffirm a shared commitment to strengthening science–policy cooperation, advancing sustainable blue economy pathways and ensuring coordinated action across European sea basins.

Mr. Liam Lacey, Director of Irish Maritime Development Office (IMDO), Marine Institute, Ireland

Signing of a Statement of Intent between CMMI and the Marine Institute (Ireland)

18:00 **Networking & Exhibition Experience: Mediterranean Encounters in the Exhibition Area**

This extended networking session in the exhibition area will offer participants a relaxed and engaging environment to continue discussions and build connections around showcased innovations and initiatives. Through curated interactions and light cultural touches inspired by Mediterranean heritage and hospitality, participants will be invited to explore synergies, exchange ideas and deepen collaborations. The activity aims to foster informal exchanges among participants while maintaining a vibrant link to the cultural dimension of coastal communities and their connection to the sea. It also provides an opportunity to strengthen personal and professional relationships in a welcoming, Mediterranean-inspired setting.

20:00 **Gala Dinner – "Blue Horizons"** *by invitation*

Artistic interlude by the Larnaca Music School "Mikis Theodorakis", featuring traditional Cypriot songs.

Keynote address: Prof. Philippos Patsalis, President of the National Board for Research and Innovation of Cyprus and CEO of Optima Genetics

The "Blue Horizons" Gala Dinner offers an opportunity for reflection, inspiration and high-level networking at the intersection of science, innovation and policy. Bringing together leaders from EU institutions, research organisations, centres of excellence and industry, the evening will celebrate Europe's commitment to advancing ocean knowledge and sustainable blue innovation. The keynote address will highlight the strategic role of

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research and technological excellence in shaping solutions for ocean sustainability and competitiveness. Through dialogue and artistic expression inspired by the ocean's vastness and fragility, the evening will reaffirm a shared responsibility to explore, understand and protect our seas for future generations while strengthening collaboration across Europe's ocean community. Artistic interlude themed on "The Ocean: an immensity to discover and protect"

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12 MAY 2026

VENUE: AYIA NAPA MARINA

12 May 2026 – Day 2 -Riding the wave from Ocean R&D to Market: the Blue Investment Challenge

Venue: Ayia Napa Marina

08:15 **Morning Coffee & Exhibition**
Blue Tech Showcase and Exhibition Area Opens (throughout the day)

08:45 **Welcome Address**
Mr. Demetris Skourides, Chief Scientist for Research, Innovation and Technology of the Republic of Cyprus

09:00 **Keynote: Investing in the Ocean Economy of the Future: Mobilising Capital for Sustainable Blue Growth**
Achieving a sustainable and competitive blue economy requires mobilising significant public and private investment to accelerate the development and deployment of innovative ocean solutions. This keynote session will explore the strategic role of finance in advancing Europe's ocean agenda, highlighting how investment institutions, philanthropic initiatives and global partnerships can support the scaling of blue technologies and sustainable maritime industries. Keynote speakers will discuss emerging investment trends, the role of development finance institutions and catalytic capital, and the importance of aligning financial flows with ocean sustainability goals. The session will set the stage for the day's discussions on the blue investment ecosystem, illustrating how targeted investments can unlock innovation, strengthen Europe's competitiveness and support the transition towards a resilient and climate-neutral ocean economy.

Mr. Ioannis Tsakiris, Vice President of the European Investment Bank (EIB)

Fireside chat with Mr. Ioannis Tsakiris, interviewed by Mr. Spyros Kouvelis, member of the Board of the EU Mission 'Restore our Oceans and Waters by 2030'
This high-level exchange will explore the role of strategic investment in advancing Europe's blue economy, with a focus on mobilising capital, de-risking innovation, and scaling ocean solutions. Drawing on the European Investment Bank's perspective, the discussion will highlight priorities, opportunities and practical pathways for financing the transition from ocean R&D to market deployment.

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12 MAY 2026

VENUE: AYIA NAPA MARINA

09:30 **Panel 1: Strengthening Europe's Blue Innovation Ecosystem: Partnerships, Finance and Mission-Driven Opportunities**

Europe has built a growing ecosystem to support the development and scaling of ocean innovation, bringing together public institutions, foundations, mission initiatives and industry platforms. This panel will explore how these actors can work together to accelerate the transition from research to impact, while strengthening Europe's leadership in the sustainable blue economy. Speakers will discuss the role of initiatives such as the EU Mission "Restore our Ocean and Waters", philanthropic capital, innovation clusters and maritime economy networks in supporting blue innovation. The discussion will highlight current gaps and opportunities within the European investment ecosystem and examine how stronger partnerships can unlock funding, reduce risk for investors and help scale solutions that contribute to ocean restoration, climate action and sustainable economic growth.

Mr. Frank Schweikert, Founder and Director of German Ocean Foundation
Mr. Spyros Kouvelis, Member of the Board of the EU Mission 'Restore our Oceans and Waters by 2030'
Prof. Ruben Eiras, Secretary General (CEO) of Fórum Oceano – Associação da Economia do Mar
Prof. Yannis Ieropoulos, Chair in Environmental Engineering, Head of Civil, Maritime and Environmental Engineering Department, University of Southampton
Dr. Francesco Camonita, European Policy & Project Officer at Conference of Peripheral Maritime Regions (CPMR)

Session moderator: Ms. Tatiana Der Avedissian, Head of Business development, World Ocean Initiative, The Economist Group

10:45 Coffee Break

11:15 **Panel 2 – Financing the Blue Transition: Unlocking and Scaling Investment for Ocean Start-ups and Sustainable Maritime Innovation**

Unlocking investment for ocean innovation is essential to accelerate the transition toward a sustainable and competitive blue economy. This panel will examine how Europe's financial ecosystem—from venture capital and impact funds to EU financial instruments—can better support the growth of ocean start-ups and scale promising technologies. Speakers will discuss the role of initiatives such as BlueInvest, the European Investment Bank and blended finance mechanisms in mobilising capital and reducing investment risk. The discussion will also explore regulatory frameworks and

enabling policies that can facilitate the deployment of ocean technologies, while strengthening connections between investors, innovators and market opportunities. By bridging public and private finance, the session aims to identify practical pathways for driving investment into solutions that support climate neutrality, ocean sustainability and maritime innovation.

Dr. Dilya Bakhtieva – Economist in the Maritime Innovation, Marine Knowledge and Investment unit of DG for Maritime Affairs and Fisheries, European Commission
Mr. Nil Angli, Space Solutions Maritime Lead, European Space Agency (ESA)
Mr. Stavros Stavrou, President of Cyprus Chamber of Commerce and Industry
Mr. Darko Manakovski, Founder & CEO, MNK Global; Board Member, EU Mission "Ocean & Waters"; Executive Director, Funders Forum

Session moderator: Ms. Christina Deligianni, CEO and Co-founder Verimpact

12:30 **From Research to Market: Innovation Success Stories of European Ocean Technologies**

Europe's research and innovation ecosystem is generating a growing portfolio of ocean technologies with strong potential to address environmental challenges and create new market opportunities. This session will showcase successful examples of "Made in EU" ocean innovations that have progressed from scientific research and technology development to real-world applications and commercial deployment. Speakers from leading research institutions, innovation centres and technology organisations will present concrete cases illustrating how advanced research infrastructures, space-based services, marine observation technologies and engineering solutions are being translated into scalable products and services. The discussion will highlight enabling factors such as cross-sector collaboration, innovation support mechanisms and partnerships with industry that help bridge the gap between research excellence and market impact in the blue economy.

Showcasing success stories of scaling and commercialization of scientific innovation
Representative from teams from around Europe

Prof. Paolo Favali, R&D Senior Consultant at WSense
Dr. Konstantina Bereta, Director of Research Labs, Kpler
Dr. João Rito, Founding Partner at SEAentia
Dr. Rana Abu Alhaija, Managing Director at Cyprus Subsea Consulting and Services
Mr. Zacharias Siokouros, CEO of the Cyprus Marine and Maritime Institute (CMMI)

CY2026.EU DEPUTY MINISTRY OF RESEARCH, INNOVATION AND DIGITAL POLICY CYPRUS MARINE & MARITIME INSTITUTE ERATOSTHENES CENTRE OF EXCELLENCE

This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 857510.

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Dr. Kyriacos Themistocleous, External Affairs & Business Development Director, ERATOSTHENES Centre of Excellence – EXCELSIOR Project, and **Dr. Michalis Mavrovouniotis,** Coordinator of the Big Earth Data Analytics Department, ERATOSTHENES Centre of Excellence – EXCELSIOR Project

Session moderator: Ms. Raluca Ioana Man, Founder, RSEVEN | Strategic Advisor, Board Consultant & Startup Ecosystem Mentor

13:30 Networking Lunch

14:30 **Funders Forum: Ports, Port Seascapes and the Architecture of Capital**

The Funders Forum is platform for learning, orchestration and capital design, bringing together senior representatives from philanthropy, public institutions, finance, industry and innovation to explore how different forms of capital can be better aligned, sequenced and combined. This second 2026 edition builds on the work initiated at EU Ocean Days in Brussels and focuses on ports and port seascapes as strategic infrastructures at the intersection of maritime transport, energy systems, industrial development, coastal resilience and ocean ecosystems. Rather than approaching these domains separately, the Forum will examine how their interdependencies shape the conditions for investability and scale. Discussions will address how shared intelligence, demand creation, translational pathways and coordinated capital allocation can reduce fragmentation and enable more coherent development of maritime transition pathways. Particular attention will be given to the roles of different capital types—including public finance, private investment and philanthropy—and how they can contribute without collapsing into a single logic.

Moderated by: Mr. Darko Manakovski, Founder & CEO, MNK Global; Board Member, EU Mission "Ocean & Waters"; Executive Director, Funders Forum

15:45 **Verimpact next-gen sustainability intelligence platform for the Blue economy**

Verimpact will deliver a workshop showcasing its next-generation sustainability intelligence platform, with a dedicated focus on the blue economy. The session will demonstrate how AI-enabled tools support organizations in assessing ecosystem values, managing non-financial risks, and creating AI-enabled, automatic sustainability reporting aligned with different, leading frameworks. Participants will gain practical insights into how the platform translates scientific, environmental, and compliance data into actionable intelligence, thus supporting investment decisions, regulatory alignment, and sustainable growth across marine and coastal sectors.

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16:15 Coffee Break

16:30 **Blue Tech Demonstrations: Showcasing Next-Generation Ocean Technologies in Action**

This interactive session will provide participants with a unique opportunity to experience cutting-edge ocean technologies through live demonstrations both onshore and at sea. Innovators and technology developers will showcase solutions designed to address key challenges in the blue economy, including clean maritime transport, marine observation, sustainable aquaculture and digital ocean services. Demonstrations will feature electric vessels, marine robotics, drones, smart sensors and analytical devices, illustrating how advanced technologies are supporting safer, more sustainable and efficient maritime activities. By bringing innovation directly into the operational environment, the session will highlight the practical applications and market potential of emerging ocean technologies while fostering dialogue between developers, investors, policymakers and end users.

Closing Ceremony & Networking – "A Shared Way Forward for Europe's Ocean Future"

This brief closing moment will mark the conclusion of the conference, offering an opportunity to thank participants and acknowledge the collective engagement of the European ocean community over the two days. It will symbolically highlight the shared commitment to advancing ocean science, innovation and investment in support of a sustainable and competitive blue economy.

Following the closing, participants are invited to continue informal exchanges in a relaxed networking setting on the 'Plaza' of the Ayia Napa Marina. This final moment will provide an opportunity to connect, strengthen newly established contacts and explore potential collaborations in an open and welcoming atmosphere, bringing the conference to a close in the spirit of cooperation and shared ambition.

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Purpose and Vision

The Conference "Riding the Wave: Advancing the EU Ocean Pact through Science, Innovation and Cooperation" aims to enhance the translation of groundbreaking research on marine science and technology into actionable policy insights and solutions that meet market needs. In an era marked by urgent environmental challenges, this conference serves as a pivotal platform to connect scientific and technological excellence with strategic policymaking initiatives related to responsible efforts to boost the blue economy while respecting the marine environment, considering the implementation of the EU Ocean Pact, while connecting high-TRL ocean technology solutions with unmet market needs and driving solutions to finance the 'blue transition'.

Bringing together quintuple helix representatives, the event will foster collaborative dialogues, exchange cutting-edge insights, and promote interdisciplinary partnerships. The conference underscores Cyprus' and Europe's commitment to sustainable ocean management and the critical role ocean science and innovation play in shaping informed decisions and policies for the benefit of resilient ecosystems, thriving economies, and coastal communities, while supporting efforts to drive a competitive, resilient and secure Blue economy.

This conference is designed to serve as a dynamic platform that fosters collaboration, accelerates knowledge exchange, and catalyzes tangible outcomes.
The two-day event is designed to ensure continuity from scientific insight to policy development and market impact, reflecting Europe's strategic priorities in marine research, environmental stewardship, and innovation deployment.

Overarching theme – Implementing the EU Ocean Pact

The conference is framed under the overarching theme "Riding the Wave: Advancing the EU Ocean Pact through Science, Innovation and Cooperation", aligning directly with the implementation of the EU Ocean Pact, the upcoming EU's Ocean R&I Strategy and related ocean governance and research strategies. The event will specifically aim to:

- Promote the integration of scientific evidence into policymaking processes to enhance environmental protection, resource management, and blue economy competitiveness.
- Facilitate dialogues and forge new strategic partnerships among researchers, policymakers, industry leaders, civil society, and environmental groups.
- Demonstrate how "Made in EU" blue innovation can be scaled into market-ready solutions.
- Enable powerful collaboration between funders, investors and solution providers for driving R&D towards the market where untapped business potential exists.
- Explore access to finance, blended finance mechanisms, regulatory pathways

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Format

The conference will take place over two days (11-12 May 2026), preceded by a welcome dinner for Speakers on 10 May 2026, and will be hosted at the Adams Beach Hotel and Ayia Napa Marina in Cyprus.

Day 1 – Riding the Wave of the EU Ocean Pact implementation (11 May 2026)

Structured around plenary sessions, keynote addresses, panel discussions, and thematic interactive workshops, the first day will explore science-policy interfaces, ocean governance, marine restoration, biodiversity protection, pollution mitigation, climate neutrality, transport decarbonisation, and regional Mediterranean challenges, designed to yield practical recommendations and pathways to tangible impacts. An exhibition and photo display will complement the sessions.

Day 2 - Riding the wave from Ocean R&D to Market: the Blue Investment Challenge (12 May 2026)

Dedicated to accelerating the deployment of European blue innovations, the programme will include blue investment-focused panels, success stories of EU ocean technologies, live technology demonstrations, pitching sessions, and matchmaking with investors. Demonstrations will be organised around challenge-driven clusters: marine pollution, climate action, maritime safety, and ocean observation. Demonstrations and exhibitions will be organised around challenge-driven thematic clusters addressing marine pollution, climate action, maritime safety, and ocean observation.

Both days will feature networking opportunities and official social events, including gala dinners hosted under the Cyprus EU Presidency.

Expected Outcomes

The conference is expected to deliver:

- Clear and actionable recommendations for policymakers and market stakeholders
- Strengthened EU-wide strategic partnerships across science, policy, industry, and finance
- Identification of opportunities for technology transfer, innovation uptake, and investment
- Enhanced visibility of EU-funded ocean science and innovation contributions to sustainability
- Increased networking and collaboration among researchers, policymakers, investors, and innovators

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Strategic Relevance

The conference aligns strategically with key policy frameworks and priorities at multiple levels:

National Priorities (Cyprus):

- Cyprus EU Presidency 2026 programme.
- Smart Specialization Strategy of Cyprus
- Priorities set by the Deputy Ministries for Research, Innovation, Digital Policy, Shipping and European Affairs.

EU Policies and Strategies:

- EU Ocean Pact / Ocean R&I strategy
- European Green Deal (marine sustainability and climate neutrality).
- EU Mission: Restore Our Ocean and Waters by 2030.
- EU Blue Economy Strategy (sustainable maritime economy).
- Horizon Europe strategic priorities for ocean research, innovation, and environmental resilience.

International Frameworks:

- UN Sustainable Development Goal (SDG) 14: "Life Below Water".
- United Nations Decade of Ocean Science for Sustainable Development (2021–2030).
- International climate commitments under the Paris Agreement related to oceans.

This comprehensive alignment ensures relevance, strengthens international cooperation, and maximizes the impact of the conference outcomes across multiple governance levels.

CMMI was established by the CMMI/MaRITeC-X project as a "Centre of Excellence in Marine and Maritime Research, Innovation and Technology Development" and has received funding from the European Union's Horizon 2020 research and innovation program under grant agreement No. 857586; and matching funding from the Government of the Republic of Cyprus.

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This event is endorsed by the Ocean Decade Actions as part of the UN Decade of Ocean Science for Sustainable Development.

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Appendix J: Agenda of the General Assembly of the EU Space Networks 2026

GENERAL ASSEMBLY OF THE EU SPACE NETWORKS 26

PROGRAMME

Wednesday 27 May 2026 — Afternoon Session

13:30 – 14:00: Registration, badge collection & welcome coffee

14:00	**Welcome and Opening Remarks** ➢ *Charalambos Prountzos, Mayor of Nicosia* ➢ *Diofantos G. Hadjimitsis, Professor at the Department of Civil Engineering and Geomatics, Remote Sensing and Geo-Environment Lab, Faculty of Engineering and Technology of the Cyprus University of Technology (CUT) and Managing Director of the Eratosthenes Centre of Excellence (CoE) - Cyprus University of Technology* ➢ *Julien Turpin, Deputy Head of Unit – Communication, Human Resources and Planning, DG DEFIS*
14:30	**Brief introduction and overview of the event schedule (EUSSO)** *Event agenda, objectives, and expected outcomes and members contribution to discussions* ➢ *Frédéric Collomb, Director of the EU Space Support Office (EUSSO)*
14:45	**Presentation of the host member's activities and initiatives related to space** ➢ *Kyriacos Themistocleous, External Affairs & Business Development Director, Eratosthenes Centre of Excellence and EXCELSIOR Horizon 2020 teaming project.*
15:15	**Security & resilience as pillars of the EU Space Programme** *This session will explore how the EU space programme support security, crisis management, and resilience across Europe and its neighbouring regions. It will highlight the role of space-based services in border surveillance and operational coordination, with insights from a Frontex representative, alongside their application in disaster risk reduction and emergency response, including the contribution of the United Nations Platform for Space-based Information for Disaster Management and Emergency Response (UN-SPIDER).* ➢ *Wojciech Fryczewski, Space Innovation Associate - Research & Innovation Unit - Frontex* ➢ *The Regional Support Office (RSO) of UNOOSA's programme 'United Nations Platform for Space-Based Information for Disaster Management and Emergency Response (UN-SPIDER) in Cyprus: Challenges and opportunities - Marios Tzouvaras, Research Coordinator at the Eratosthenes CoE*

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15:45	**Coffee break**
16:05	**Diversity & Inclusion Spotlight** *Women in the aerospace sector, diversity & inclusion plans, challenges and concrete actions.* ➢ *Christina Giannopapa, Head of the Office of the Executive Director & Head of Communications (a.i.), EUSPA & President of Women in Aerospace (WIA) Europe*
16:25	**Inspirational speakers** **Challenges and opportunities within the EO Ecosystem: Lessons learned and key messages** ➢ *Gunter Schreier, Retired Deputy Director at DLR German Remote Sensing Data Center & Collaborator of the Eratosthenes CoE* **From Orbit to Understanding: Engaging Schools, Society, and the Public Sector** ➢ *Despina Makri, Research Associate at the Cyprus University of Technology & Eratosthenes CoE*

16:55	**Interactive session on the EU Space Networks**
	• *Brief presentation on the evolution of the Networks and new collaboration opportunities arising from the inclusion of Ambassadors across different components [DG DEFIS/EUSSO]*
	• *Presentation of Copernicus coaching activities and user uptake in Africa - Ouafae Karim, Africa-eo-services (AfEOS), Morocco – Copernicus Ambassador*
	• *Structured breakout discussion with members to provide feedback, discuss expectations for the development of the EU Space Networks, propose ideas and concrete suggestions to the representatives of the European Commission.*
	  • *What should the networks deliver next?*
	  • *What is missing today?*
	  • *How can members contribute further?*

17:45	**Member Pitch & Collaboration Session** *The session will be a mix of pitching and matchmaking among members. Participants attending in person will also be encouraged to take the floor spontaneously. Following the pitch session, members will have the opportunity to engage in matchmaking discussions to further explore potential collaborations.* • *Lunar GNSS Receiver Experiment (LuGRE) - Fabio Dovis, Politecnico of Torino, Italy – Galileo/EGNOS Ambassador (online)* • *EO-GNSS Synergies for Atmospheric, Climate and Hydrological applications - Karen Boniface, Principal at FDC/EUSSO* • *Success stories in EO for Agriculture through Horizon projects - George Papadavid, Senior Researcher at the Agricultural Research Institute, Vice President Information Technology at The Cyprus Remote Sensing Society*

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	• *Success stories in EO for Environment and Climate: Christiana Papoutsa, Coordinator of the Environment and Climate Department, Eratosthenes CoE*
18:30 - 20:30	**Networking Cocktail** *Encouraged follow-up from pitch session, while enjoying light bites and local music.*

Thursday 28 May 2026 — Morning Session

8:30 – 9:00: Welcome coffee

9:00	**Copernicus & Artificial Intelligence "pitches"** ➢ *PROTEUS project, 'The Copernicus Agent for Next-Generation Environmental Intelligence' - Ioannis Papoutsis, National Technical University of Athens (online)* ➢ *Horizon Europe project "ThinkingEarth - Copernicus Foundation Models for a Thinking Earth" - Ioannis Papoutsis, NOA – National Observatory of Athens (online)* ➢ *CAMS Health Demonstrator: Integrating Air Quality, Pollen Data and Machine Learning for Public Health Decision Support – Maria Anastasiadou, Researcher at the Eratosthenes CoE* ➢ *AI-Optimised Spectral Indices: Solving the Gaps in Copernicus Land and Water Mapping – Dr Charalambos Chrysostomou, Researcher at the Eratosthenes CoE* ➢ *Development of the national Cyprus data cube and AI applications for agriculture: Challenges and Opportunities for other members - Stelios Neophytides, Researcher at the Eratosthenes CoE* ➢ *Discussion on what works in practice, limitations and gaps, user needs*
9:50	**National Collaboration for Copernicus Uptake and Resilience** *Building on discussions initiated during the previous General Assembly, this intervention will highlight some of the activities developed within the Copernicus National Collaboration Programme (NCP). The presentation will showcase innovative uptake initiatives, with particular attention to emerging training needs, wider user communities, and the development of new professional profiles in the fields of resilience and civil security.* ➢ *Bernardo de Bernardinis, Coordinator of the Italian Copernicus Academy National Network*
10:05	**Regional Space Ecosystems and International Partnerships: Opportunities for Europe and Beyond** *This session will showcase the role of regional space ecosystems and strategic infrastructure in strengthening Europe's space ambitions and fostering regional as well as global cooperation. Drawing on the Cypriot experience and the establishment of the C-SpaRC macro-infrastructure, the speaker will explore how EU-backed investments in upstream aerospace capabilities, innovation, talent development, and space diplomacy can create new opportunities for international collaboration, business growth, and operational services.*

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	➢ *George Danos, President, Cyprus Space Exploration Organisation (CSEO) & Director, International Space Innovation Centre - COSPAR Centre of Excellence (C-SpaRC)*
10:25	**Coffee break**
10:45	**SSA evolution and the connection with STM** *With the recent appointment of SSA/STM Ambassadors within the EU Space Networks, this session provides a timely opportunity to review the latest developments in Europe's Space Situational Awareness (SSA) framework with a focus on the growing agenda on Space Traffic Management (STM). The session will include an introductory presentation by the DG DEFIS representative, followed by a panel discussion with one of the SSA/STM Ambassadors and industry representative.* ➢ *Laura Gandyra, Policy Coordinator, DG DEFIS* ➢ *María Antonia Ramos Prada, Head of STM Policy & Business Development at GMV - SSA/STM Ambassador*
11:35	**Secured Connectivity & Governmental Services** *This interactive session will explore the latest developments in Europe's secure satellite connectivity architecture, with a focus on the operational launch of the GOVSATCOM Hub in January 2026. Designed as an interactive exchange, the discussion will invite members to share priorities, operational needs, and perspectives on the next phase of secure connectivity services in Europe. Cypriot representatives present in the room will also be invited to share what the successful first acquisition and operational use of secure satellite communication services delivered through GOVSATCOM represented for them.* ➢ *Georgios Synnefakis, GOVSATCOM programme manager at EUSPA* ➢ *Marilena Ampelikioti, Ministry of Digital Governance - Greece*
12:15	**Closing remarks** ➢ *Theodora Antoniou, Information and Communication Officer, DG DEFIS*
12:30	**Networking Lunch**

Thursday 28 May 2026 — Afternoon side activities

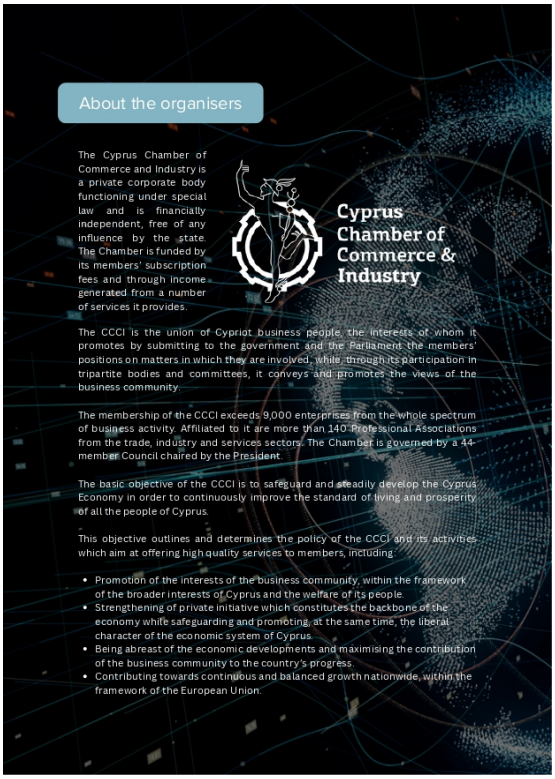
14:30	**Visit to the Eratosthenes EO satellite receiving station at CYTA premises (Earthview Cyprus – Joint Venture)** *The Eratosthenes Centre of Excellence will organise a visit to their facility, 20 minutes from Nicosia, to provide practical insights into operational activities.*
15:30 / 18:00	**Visit to the satellite ground infrastructure in Kofinou supporting the EU GOVSATCOM initiative** **Visit to Galileo MEOLUT (Medium Earth Orbit Local User Terminal)**

This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 857510.

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Appendix K: Agenda of the Space to Solutions Forum



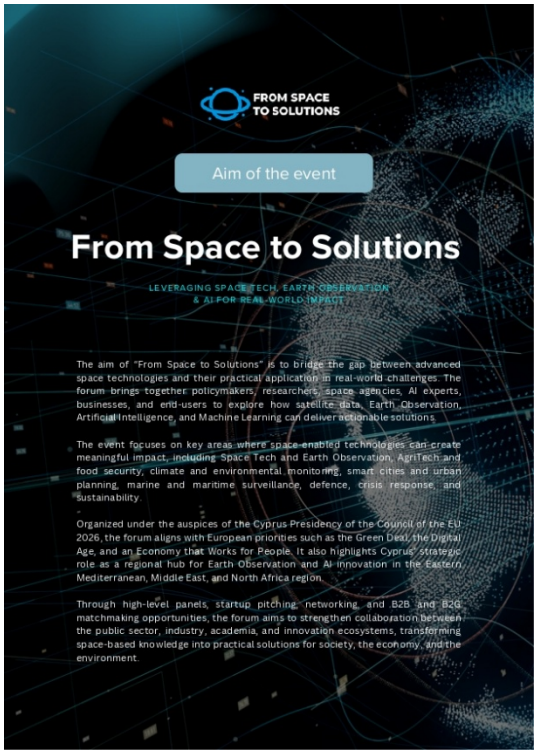






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