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.

EXCELSIOR Project

H2020-WIDESPREAD-2018-2020 | Grant Agreement No 857510	
Project full title:	**ERATOSTHENES: Excellence Research Centre for Earth Surveillance and Space-Based Monitoring of the Environment**
Project acronym:	**EXCELSIOR**
Work Package:	**WP1 Project Management and Coordination**
Deliverable:	**D1.18 Impact Assessment Report for RP5**
Version:	**Final D1.18**
Dissemination level:	**Public**

© Copyright by the **EXCELSIOR** consortium, 2019-2027. The project that has received funding from the European Union's Horizon 2020 Research and Innovation programme under Grant Agreement No 857510. More info regarding the project you can find here: www.excelsior2020.eu

DISCLAIMER: This document contains material, which is the copyright of **EXCELSIOR** consortium members and the European Commission, and may not be reproduced or copied without permission, except as mandated by the European Commission Grant Agreement No 857510 for reviewing and dissemination purposes. The information contained in this document is provided by the copyright holders "as is" and any express or implied warranties, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose are disclaimed. In no event shall the members of the **EXCELSIOR** consortium, including the copyright holders, or the European Commission be liable for any direct, indirect, incidental, special, exemplary, or consequential damages (including, but not limited to, procurement of substitute goods or services; loss of use, data, or profits; or business interruption) however caused and on any theory of liability, whether in contract, strict liability, or tort (including negligence or otherwise) arising in any way out of the use of the information contained in this document, even if advised of the possibility of such damage.

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.

	**H2020-WIDESPREAD-2018-2020/ H2020-WIDESPREAD-2018-01** **Grant Agreement No 857510** This project is funded by the **EUROPEAN COMMISSION** in the Framework Programme for Research and Innovation (2014-2020).
Call / Topic:	**H2020-WIDESPREAD-2018-01 /** **WIDESPREAD-01-2018-2019** **Teaming Phase 2**
Project full title:	**ERATOSTHENES: Excellence Research Centre for Earth Surveillance and Space-Based Monitoring of the Environment**
Project acronym:	**EXCELSIOR**
Work Package (WP): Task (T):	**WP1 - Project Management and Coordination** **T1.4 - Impact Monitoring and Re-assessment**
Deliverable (D):	**D1.18 Impact Assessment Report for RP5**
Due date of deliverable:	**30 September 2026** **(Month 84 of the project)** — **Version: Final**
Author(s):	ECOE: **Ioannis THEODOROU, Marina PAPADOPOULOU** CUT: **Diofantos HADJIMITSIS**
Contributor(s):	CUT: **Andreas ANAYIOTOS** ECOE: **Kyriacos THEMISTOCLEOUS, Panayiota SAMARA, Theofilos ANTONIOU, Andreas CHRISTOFE, Marios TZOUVARAS, Christiana PAPOUTSA, Christodoulos METTAS, Michalis MAVROVOUNIOTIS, Andreas ANDREOU, Rodanthi Elisavet MAMOURI** DLR: **Thomas KRAUSS** NOA: **Haris KONTOES** TROPOS: **Albert ANSMANN** DEC- DMRID: **Andronikos KAKKOURAS**
Start date of project:	**1 October 2019** — Duration: **99 months**
Dissemination Level:	**Public**

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.

Document Sign-off

Nature	Name	Role	Partner	Date
DRAFT **FINAL**	Ioannis THEODOROU, Marina PAPADOPOULOU,	WP1 Participants	ECOE	04/09/2026
REVIEWED	Kyriacos Themistocleous	Project Manager	ECOE	29/09/2026
APPROVED	Diofantos Hadjimitsis	Project Coordinator	CUT	30/09/2026

Work Package 1: Project Management and Coordination

D1.18: Impact Assessment Report for RP5

Sections to be protected	Description	Owner	Access Rights	
			Period	Type*
-				**PD**

*PD: Public dissemination CA: Confidentiality Agreement required for disclosure

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.

Executive Summary

This Deliverable presents the impact assessment of the EXCELSIOR project for **Reporting Period 5 (RP5)**, covering the period from **1 April 2025 to 30 September 2026 (Months 67-84)**. The assessment is based on the impact monitoring framework established through Deliverables D1.12 and D1.13, and evaluates the progress achieved against the approved Key Performance Indicators (KPIs) across the domains of participating organisations, scientific community and society.

RP5 represents a particularly productive period in the evolution of the **ERATOSTHENES Centre of Excellence (ECoE)**. During RP5, the Centre continued to strengthen its research infrastructure, scientific capacity, international visibility, stakeholder ecosystem, and long-term sustainability.

Major achievements included the full operationalisation of the **Satellite Data Acquisition Station (DAS)**, the establishment of the **EarthView Cyprus** joint venture with CYTA, the progression of the **Ground-Based Remote Sensing Station (GBS)** from infrastructure operation towards **full scientific exploitation** and EarthCARE calibration/validation, the launch of **Space BIC by ERATOSTHENES CoE**, and the strengthening of ECoE's role within the European and international space ecosystem following Cyprus' accession as an **ESA Associate Member**. RP5 was also marked by the signing of the contract for the **construction of ECoE's new headquarters**, which is expected to be concluded by April 2027. Among several other highlights, the approval of a national **Performance-Based Funding Mechanism** for Teaming Centres of Excellence, will provide a structured funding pathway for ECoE post-EXCELSIOR, providing another dimension supporting the Centre's long-term sustainability.

The present assessment demonstrates substantial progress across most KPI categories. ECoE exceeded the majority of its targets related to infrastructure development, human capital creation, research funding, stakeholder engagement, outreach activities, strategic partnerships, entrepreneurship support, and professional training. The Centre also recorded significant growth in scientific publications, citations, and international collaborations, further strengthening its position within the European Research Area (ERA) and the wider Earth Observation (EO) community.

Beyond quantitative achievements, the results presented in this report provide evidence of a successful institutional transformation. EXCELSIOR has enabled the development of a mature and internationally recognised research and innovation (R&I) organisation with advanced research infrastructures, strong governance structures, a growing innovation ecosystem, and an expanding portfolio of scientific, technological, and service-oriented activities. Overall, the findings indicate that the project is successfully delivering its intended scientific, organisational, economic, and societal impacts while establishing a strong foundation for ECoE's long-term sustainability beyond the lifetime of the EXCELSIOR project.

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.

Table of Contents

Executive Summary 4
Table of Contents 5
List of Figures 7
List of Tables 9
Abbreviations 10
1 Introduction 11
2 RP5 Highlights and Key Achievements 12
3 Overall Impact Assessment and KPI Performance 16
3.1 Impact on Participating Organisations 16
3.1.1 Institutional Impact Monitoring 19
3.2 Impact on the Scientific Community 23
3.3 Impact on Society 24
3.4 Overall Impact 25
4 Detailed KPI Performance 27
4.1 Procurement of Equipment 27
4.1.1 Strategic Infrastructure 28
4.1.2 Agro-Meteorological equipment 30
4.1.3 Remote Sensing, 3D Mapping and Digital Construction Equipment 31
4.1.4 IT and Computing infrastructure 34
4.1.5 Construction of ECoE's premises 35
4.2 Capacity building activities and secondments 36
4.2.1 Capacity building activities 37
4.2.2 Secondments 39
4.2.3 Training and Skill Development Programs 50
4.3 Demonstration Projects 51
4.3.1 Flood Risk Assessment toward Disaster Risk Reduction (Phase II) 53
4.3.2 Development of the National Next-Day Wildfire Risk Prediction AI Model for Cyprus .54
4.3.3 Aerosol and Cloud Observation 55
4.3.4 Citrus Tree Classification in Urban Areas and Mixed Orchards with Remote Sensing ...56
4.4 Research institute networks 56
4.5 Calibration/ Validation capacities – Monitoring networks 58
4.6 Employment of researchers, and administrative and technical staff 60

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.

4.7 Memoranda of Understanding 61
4.8 Professional skills development programs 62
4.8.1 Professional Training Programmes through HRDA 63
4.9 Collaborating networks/institutions 65
4.10 Postgraduate students 65
4.10.1 PhD in Civil Engineering and Geomatics 66
4.10.2 MSc in Geoinformatics and Earth Observation 67
4.11 Research project proposals, services, and product applications 68
4.11.1 Research project proposals 68
4.11.2 Services 76
4.11.3 Product Applications 78
4.12 Publications 80
4.13 Researchers' Mobility 88
4.14 Patents 89
4.15 Start-ups and spin-offs 90
4.16 Engagement and Outreach 92
4.16.1 Event organization and participation 92
4.16.2 Meetings and Engagement Activities with Stakeholders 100
4.16.3 Public Outreach 102
5 Conclusions 106
Annexes 109
Annex I – Journal Articles and Conference Proceedings published during RP5 109
Annex II - Proposals Submitted During RP5 124
Annex III - Participation in International Conferences, Workshops and Exhibitions 140
Annex IV - Meetings and Engagement Activities with Stakeholders 150
Annex V - Outreach Activities 167

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.

List of Figures

Figure 1: Photos from the signing of strategic MoU between ECoE and NOA 19
Figure 2: Screenshot from the Proposals database 20
Figure 3: Screenshot from the Proposals Dashboard 21
Figure 4: Screenshots from the Publications Dashboard 22
Figure 5: Pictures from the completion of the On-Site Acceptance Test (OSAT) for DAS at CYTA's premises 29
Figure 6: Pictures from the official launch of EarthView Cyprus 30
Figure 7: Pictures from the contract signing for the new ECoE building, the construction progress, and renderings of the completed facility. 36
Figure 8: Photo from the secondment of Dimitrios Koumoulidis to NOA 41
Figure 9: Photos from the secondment of Josephina Kountouri to NOA 43
Figure 10: Photos from the secondment of Dr. Eleni Loulli to NOA. 44
Figure 11: Photos from the secondment of Georgia Charalambous to PMOD/WRC 45
Figure 12: Photos from the secondment of Georgia Charalambous at PMOD/WRC 46
Figure 13: Photos from the secondment of Maria Poutli to TROPOS 47
Figure 14: Photos from Maria Poutli's secondment to TROPOS. 48
Figure 15: Photos from the secondment of Konstantinos Chrysostomou to TROPOS. 49
Figure 16: Photos from the secondment of Athina Savva to TROPOS. 50
Figure 17: Pictures from ECoE's participation in the WGDisasters-26 meeting (top) and the ASI – CEOS WGD International Workshop (bottom) 58
Figure 18: Logo of the proposal coordinated by ECoE and submitted to the HORIZON-WIDERA-2026-01-WIDENING-01 Teaming Synergies call 70
Figure 19: ECoE Proposals Dashboard since the start of EXCELSIOR 72
Figure 20: Number of proposals submitted in RP5 by Department 73
Figure 21: Number of proposals selected for funding in RP5 per country of partner organisation 74
Figure 22: Distribution of organisation types in the proposals selected for funding during RP5 75
Figure 23: Pictures from the workshops with Prof. Aravanopoulos (left, middle) and Dr. Nektarios Chrysoulakis (right) on MSCA and ERC 76
Figure 24: Pictures from the engagement with widerAdvance Facility: initial engagement workshop (top left), introduction to the IP service by UNICO (top right) and D&E Academy Introductory Workshop (bottom) 78
Figure 25: Scientific outputs produced by ECoE during RP5 81
Figure 26: Scientific outputs produced by ECoE by year, RP and type since the start of EXCELSIOR 82
Figure 27: Journal quartiles where ECoE's journal articles have been published in RP5 82
Figure 28: RP5 scientific outputs by Department 83
Figure 29: ECoE citations and top cited publications and authors by the end of RP5 84
Figure 30: ECoE's international collaborations in scientific output production during RP5 86
Figure 31: Number of contributions to international events per type and RP 87
Figure 32: Photos from the participation in the Conception X Bootcamp in April 2025 (left) and the Conception X Demo Day in November 2025 (right) 90
Figure 33: Summary of the events organised under the umbrella of the Cyprus Presidency of the Council of the European Union 94

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 34: Photos from the ECoE 5-Year Anniversary Event 95
Figure 35: Photos from the "From Idea to Impact: How to Start Your Entrepreneurship Journey" event co-organized with the Cyprus Chamber of Commerce and Industry 96
Figure 36: Photos from the "From Idea to Impact: How to Start Your Entrepreneurship Journey" event co-organized with the Limassol Chamber of Commerce and Industry 97
Figure 37: Photos from the GIS Day 2025 97
Figure 38: Photos from the "Cyprus in the New Space Era: Challenges and Opportunities" Infoday .. 98
Figure 39: Photos from the EXCELSIOR Space Industry Day 99
Figure 40: Indicative photos from the various stakeholder meetings organized during RP5 100
Figure 41: Photos from the visit by the Federal Minister of State for EU Affairs of Germany 101
Figure 42: Photos from ECoE's participation in the European Researchers' Night 2025 102
Figure 43: Photos from ECoE's participation in the European Researchers' Night 2026 103
Figure 44: Pictures from the Science4EU campaign 104

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.

List of Tables

Table 1: KPI summary for the Impact on Participating Organisations 16
Table 2: KPI summary for the Impact on the Scientific Community 23
Table 3: KPI summary for the Impact on Society 24
Table 4: KPI summary of overall Impact 25
Table 5: Allocation of the complementary funding committed by the Republic of Cyprus for equipment 28
Table 6: List of agro-meteorological equipment procured during RP5 31
Table 7: List of surveying and civil engineering equipment procured during RP5 32
Table 8: List of border surveillance equipment procured during RP5 34
Table 9: IT and computing equipment procured for the Landshift and Nostradamus projects. 35
Table 10: Capacity building activities organized during RP5 38
Table 11: Overview of researcher secondments during RP5 39
Table 12: Staff trainings implemented in RP5 50
Table 13: RCDs implemented during Cycle 3 52
Table 14: Staff participation in the Flood Risk Assessment (Phase II) RCD 53
Table 15: Staff participation in the "Development of the national next-day wildfire prediction AI model for Cyprus" RCD 54
Table 16: Staff participation in the Aerosol and Cloud Observations RCD. 55
Table 17: Seminars by Invited Experts organized during RP5 63
Table 18: HRDA-accredited professional training programmes offered by ECoE during RP5 64
Table 19: PhD registrations during RP5 66
Table 20: Proposals submitted and selected for funding during RP5 by funding programme 73
Table 21: List of services awarded to ECoE during RP5 77
Table 22: Mature Technology Applications 79
Table 23: Technology Applications Under Development/Emerging 79
Table 24: Summary of major conferences and other events organized by ECoE during RP5 93
Table 25: Journal Articles published during RP5 109
Table 26: Conference Papers published during RP5 115

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.

Abbreviations

ACTRIS	The Aerosol, Clouds and Trace Gases Research Infrastructure
AI	Artificial Intelligence
BIC	Business Incubation Centre
CAMS	Copernicus Atmosphere Monitoring Service
CARO	Cyprus Atmospheric Remote Observatory
CCRSS	Concrete Corrosion Remote sensing system
CUT	Cyprus University of Technology
DLR	German Aerospace Centre
DMRID	Deputy Ministry of Research, Innovation and Digital Policy
ECoE	ERATOSTHENES Centre of Excellence
EMMENA	Eastern Mediterranean, Middle East, and North Africa
EO	Earth Observation
ESA	European Space Agency
EXCELSIOR	ERATOSTHENES: Excellence Research Centre for Earth Surveillance and Space-based Monitoring of the Environment
FTE	Full-Time Equivalent
GBS	Ground-based Remote Sensing Station
GEO	Group on Earth Observations
GIS	Geographic Information System
HR	Human Resources
HRDA	Human Resource Development Authority of Cyprus
KPI	Key Performance Indicator
MoU	Memorandum of Understanding
NOA	National Observatory of Athens
RIF	Research and Innovation Foundation
RP	Reporting Period
RS	Remote Sensing
TROPOS	Leibniz Institute for Tropospheric Research

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 Introduction

Impact assessment is a key component of the EXCELSIOR project, providing a systematic framework for evaluating progress towards the project's scientific, technological, organisational, and societal objectives. Through the use of Key Performance Indicators (KPIs), the impact assessment process enables the monitoring of project achievements, supports evidence-based decision-making, and helps identify areas requiring corrective actions or additional efforts to maximise the long-term impact of the ERATOSTHENES Centre of Excellence (ECoE).

The present Deliverable **D1.18 Impact Assessment Report for RP5** covers the period from **1 April 2025** to **30 September 2026 (Months 67-84)** and assesses the progress achieved by the EXCELSIOR project and ECoE against the approved KPI framework. The report builds upon the methodology established in Deliverable **D1.12 Impact Assessment Methodology** and its subsequent update in **D1.13 Update of the Impact Assessment Methodology**, which introduced a revised set of KPIs following recommendations received by the external reviewers and the EC Project Officer during the project review process of November 2022. The present report also builds upon the progress reported in the previous edition of the Deliverable, **D1.17 Impact Assessment Report for RP4.**

The assessment focuses on the implementation activities undertaken during RP5 and examines their impact at three complementary levels:

- **Participating Organisations**, assessing ECoE's institutional development, research capacity, infrastructure, skills, and sustainability, and the impact on ECoE and project partners.
- **Scientific Community**, evaluating scientific excellence, research outputs, collaborations, dissemination activities, and contributions to the wider Earth Observation (EO) and Remote Sensing (RS) communities.
- **Society**, assessing the Centre's contribution to stakeholder engagement, innovation, entrepreneurship, skills development, service provision, policy support, and broader socioeconomic impact.

The report highlights several significant developments achieved during RP5. In line with comments from previous project reviews, the assessment considers not only the quantitative achievement of KPIs but also the quality, significance, and sustainability of the results. The report therefore discusses the broader impact of activities, including research excellence, international visibility, stakeholder uptake, institutional transformation, and the strengthening of ECoE's long-term sustainability.

Chapter 2 presents the major achievements and highlights of RP5, providing a quick overview of the most significant results generated during the reporting period. Chapter 3 presents an overall impact assessment and evaluates progress against the EXCELSIOR KPI framework, highlighting the project's impact on participating organisations, scientific community and society. Chapter 4 then provides a detailed performance analysis of each individual KPI, examining the activities, achievements, and evidence underpinning each indicator. The final chapter summarises the main conclusions and the priorities for the final implementation period.

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.

2 RP5 Highlights and Key Achievements

RP5 represents a significant milestone in ECoE's development. Building on the foundations established during previous RPs, ECoE continued its transformation into a mature and internationally recognised Centre of Excellence for EO, Remote Sensing, and space technologies. The reporting period was characterised by significant achievements across research excellence, human capital development, internationalisation, infrastructure, innovation, stakeholder engagement, and societal impact.

RP5 Impact at a Glance

Infrastructure & Institutional

- Full commissioning and operationalisation of the Satellite **Data Acquisition Station (DAS)**.
- Joint Venture between ECoE and CYTA formally established under the **EarthView Cyprus** brand name, to support the long-term operation and commercial exploitation of DAS.
- **Ground-Based Remote Sensing Station (GBS) / CARO** observatory progressed from infrastructure establishment towards **full scientific and operational exploitation**, combining continuous multi-instrument observations, EarthCARE calibration and validation, and European network integration.
- GBS/CARO completed the **internal acceptance stage towards ACTRIS labelling** and further strengthened its participation in ACTRIS, EARLINET/PollyNET, Cloudnet and AERONET.
- ECoE awarded **new three-year CAMS National Collaboration Programme contract** to continue its role as the national focal point for CAMS in Cyprus
- ECoE joined the **Baseline Surface Radiation Network (BSRN)** as a **candidate BSRN station.**
- Enhanced capacity through **continued procurement** of advanced scientific, surveying, atmospheric, agricultural, and computing infrastructure.
- **Contract signed** for the construction of **ECoE's new headquarters** (>€13 million) and premises entered the **construction phase**, with expected delivery in 04/2027.
- Approval of national **Performance-Based Funding Mechanism for Teaming Centres of Excellence**, providing a structured funding pathway and supporting long-term sustainability post-Teaming.
- Long-term sustainability of the EXCELSIOR partnership reinforced through the signing of a **strategic MoU with NOA**, with similar **cooperation frameworks** with the remaining **strategic partners** underway.
- **CYTEx network formally established** through an MoU among Cyprus's **seven Teaming Centres of Excellence**, strengthening institutional cooperation and joint action on shared strategic priorities.

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.

Research Funding, Innovation & Entrepreneurship

- **>€6 million** additional **research funding** secured during RP5.
- **171 project proposals** submitted in RP5, with **26 funded projects** (11 as coordinator, 15 as partner).
- Coordination and submission of major **Teaming Synergies** proposal (HORIZON-WIDERA-2026-01-WIDENING-01) with several CoEs and expert organisations across Europe.
- **4 new service contracts** awarded during RP5 with a total value of over **€550k**.
- Direct contract with the **Department of Forests** of Cyprus valued at **€325k** for the **National Fuel Map and Fire danger**, a methodological framework for national wildland fuel mapping, fire danger assessment, and fire propagation modelling.
- **UK patent granted** for the CCRSS (**RustAlert**) technology and additional USPTO and EPO applications submitted.
- **122 active MoUs** by the end of RP5, including **40 new agreements** signed during RP5.
- **Expansion of collaborations** with universities, research centres, public authorities, industry stakeholders, embassies, and international organisations.
- Establishment and operation of the **Space BIC by ERATOSTHENES CoE** incubation programme.
- **Four startups selected** and incubated through the first Space BIC cycle.
- Cyprus became an **ESA Associate Member** during RP5, creating new opportunities for participation in European space programmes, innovation activities, and industrial development.
- Significant progress made by ECoE, CyRIC and Gravity Ventures towards the future establishment of **ESA BIC Cyprus**.
- Engagement with the national **Central Knowledge Transfer Office (CKTO)**, including participation in the **SPOKE program**, offering training and best-practice development in innovation, entrepreneurship and technology transfer
- Successful selection and engagement with the **widerAdvance Facility** to further strengthen the exploitation readiness of ECoE's Key Exploitable Results.

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.

Scientific Excellence

- 200 scientific outputs produced during RP5, including **67 journal articles** and **59 conference papers**.
- **139% increase** in the **journal articles** published compared to RP4, and **68% increase** in overall peer-reviewed **publications**.
- **73%** of journal articles published in **Q1** journals and **21%** in **Q2** journals.
- **3,519 Google Scholar** citations and **2,696 Scopus** citations accumulated by the end of RP5.
- Publications with **>180 distinct organizations** across **>35 countries**.
- Multiple global distinctions during RP5, including representation in the **ScholarGPS Top 0.5%** and **Top 0.05%** of scientists worldwide, inclusion in **Stanford University's World's Top 2%** Scientists list, and recognition in the Research.com **Best Environmental Scientists 2026** ranking.
- **202 contributions** to international conferences and high-level events, including **131 oral** presentations, **52 poster** presentations, **5 keynote/invite**d talks and **14 panel/roundtable** discussions.
- **>5 Best Paper Awards** and other distinctions received at international conferences.
- Successful implementation of **4 Research Capacity Demonstration projects** with the strategic partners (3 completed, 1 ongoing), involving **more than 16 ECoE researchers**.
- ECoE joined the **Santiago Network** as a member and the **Working Group on Disasters** (WGDisasters) of the **Committee on Earth Observation Satellites (CEOS)**

Human Capital and Capacity Building

- **101 employees**, including **72 researchers** reached by the end of RP5.
- Completion of the external **HR Strategy development process** initiated in RP4, and development and approval of **updated HR frameworks (**Career, Performance Review and Development Framework, and Reward and Recognition Frameworks).
- Appointment of **Visiting Director of Scientific Research** (Prof. Ioannis Gitas), leading a **comprehensive assessment** of ECoE's internal research environment.
- **7 new PhD registrations** and **5 PhD graduations** during RP5.
- First edition of the **ECoE Doctoral Colloquium** organized, with the participation of 18 PhD students and publication of peer-reviewed proceedings.

- Reactivation of the **MSc in Geoinformatics and Earth Observation** with CUT**,** with the selection process for 2026-2027 currently ongoing (12 students already accepted).
- Launch of **first round** of five **HRDA-accredited vocational training programs,** with **50 external participants** trained
- **3 capacity-building activities** and **10 secondments** implemented with the strategic partners, with strengthened intensity and duration (22 PMs dedicated in RP5 alone, compared to 22 PMs for RP1-RP4 together)
- **4 seminars by invited experts** organized, open to external stakeholders.
- ECoE joined **Women in Aerospace Europe (WIA-Europe)** as a **Bronze Corporate Member**.
- Participation in the **"Minds in Cyprus"** initiative, a government program by the Republic of Cyprus, to enhance international talent attraction and support the recruitment of highly qualified researchers and professionals from abroad.

Stakeholder Engagement and Public Outreach

- **>20 major events** (co-)organized by ECoE; participation in **>60 international, European, national, and regional events** for the continuous engagement with stakeholders.
- **6 major events** and **4 visits by EU delegations** (co-)organized under the framework of the **Cyprus Presidency of the Council of the EU 2026**, attracting **>1300 participants** from **>30 countries**.
- Organization and participation **>90 dedicated stakeholder meetings and other engagement activities**, reinforcing ECoE's collaboration with key public-sector organisations, diplomatic missions and strategic international stakeholders, the international space sector and industry and innovation stakeholders.
- ECoE selected and featured in the **European Commission's Science4EU campaign**, a flagship initiative showcasing R&I projects with notable societal impact.
- **>60 outreach activities** targeting non-academic audiences, including several European initiatives (European Researchers' Night, Europe Day, Erasmus Days), promoting public understanding of EO technologies and encouraging participation in science.
- ECoE selected to organise the **CASSINI Space Camp 2026 in Cyprus**, further strengthening its role in space education, youth engagement and STEM capacity building

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.

3 Overall Impact Assessment and KPI Performance

The EXCELSIOR Impact Assessment Framework evaluates project achievements across three complementary impact domains: **Participating Organisations (P)**, **Scientific Community (SC),** and **Society (S).** While KPIs provide a quantitative basis for monitoring progress, the overall impact of the project extends beyond numerical targets and should be assessed in terms of the quality, significance, sustainability, and long-term benefits generated by the activities implemented.

The present chapter provides a high-level assessment of the impact achieved by EXCELSIOR up to the end of RP5, considering both the quantitative progress recorded against the approved KPI framework and the broader contribution of the project towards ECoE's establishment and maturation as a leading regional hub for EO, remote sensing, and space technologies. Detailed evidence underpinning the achievement of each KPI is presented in the Chapter 4, "Detailed KPI Performance".

3.1 Impact on Participating Organisations

The most significant impact of EXCELSIOR continues to be the successful establishment and maturation of ECoE. Since the project began, ECoE has evolved from a relatively small research group within CUT into a fully operational Centre of Excellence with advanced research infrastructure, extensive international partnerships, specialised human capital, and growing institutional sustainability.

Table 1: KPI summary for the Impact on Participating Organisations

☑ 16 KPIs Achieved/Exceeded		
◍ 4 KPIs On Track		
◍ 3 KPIs Behind Target		
P01a	Equipment for the operation of DAS	☑ Achieved
P01b	Equipment for the operation of GBS	☑ Exceeded
P01c	Remote sensing and EO equipment	☑ Exceeded
P02a	Number of trainings and capacity building activities	◍ On track
P02b	Person-months allocated to training and capacity building activities	◍ On track
P02c	Participation of ECoE researchers in demonstration projects	☑ Exceeded
P03	Number of research institute networks with ECoE participation	☑ Exceeded
P04	Number of associations with calibration/validation activities/ networks	☑ Exceeded
P05a	Number of researchers employed	◍ On track
P05b	Number of Researchers (MSC Fellows, ERC, etc.) hosted	◍ Behind Target
P06a	MoUs with local/national public and private organisations	☑ Exceeded
P06b	MoUs with international public and private organisations	☑ Exceeded
P07	External participants in professional skills development programs	☑ Exceeded

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.

P08	Number of collaborating networks/ institutions that access ECoE's data	Exceeded
P09a	Number of MSc and PhD students registered	Exceeded
P09b	Percentage of MSc and PhD students from abroad	Achieved
P10a	Number of research project proposals submitted for funding	Exceeded
P10b	Number of successful research project proposals	Exceeded
P10c	Total funding received from research project proposals	Exceeded
P10d	Number of research project proposals submitted with EXCELSIOR partners	Exceeded
P11	h-index from ECoE publications	Behind Target
P12a	Number of journal articles with EXCELSIOR partners	Behind Target
P12b	Number of conference proceedings with EXCELSIOR partners	On track

The Centre's research infrastructure has matured substantially during RP5. The successful commissioning of the **Satellite Data Acquisition Station (DAS)** and the establishment of the **EarthView Cyprus** joint venture with CYTA, together with the operational deployment of the **Ground-Based Remote Sensing Station (GBS) / Cyprus Atmospheric Remote Observatory (CARO)**, has created unique research capabilities not only for Cyprus but also for the wider Eastern Mediterranean region. These infrastructures have already begun generating scientific outputs, supporting international research infrastructures, enabling calibration and validation activities, and creating opportunities for future services and applications.

By the end of RP5, ECoE employed more than one hundred personnel, including 72 researchers and additional technical and administrative personnel, exceeding the corresponding employment targets. Significant progress was achieved in human capital development through researcher recruitment, postgraduate education, internships, capacity-building activities, secondments, and professional development programmes. At the same time, ECoE successfully expanded its management, governance, operational, and digital capacities through the implementation of institutional processes, information systems, performance monitoring frameworks, and quality assurance mechanisms.

An important example was the launch of a **comprehensive assessment** of ECoE's **internal research environment**, led by the Visiting Director of Scientific Research, Prof. Ioannis Gitas, and the Centre's Research Coordinator, Dr. Marios Tzouvaras. Through structured consultations with researchers, PhD candidates and key administrative units, the exercise identified cross-cutting barriers to research excellence, including infrastructure and expertise gaps, administrative burden, researcher mentoring and career-development needs, and opportunities for stronger interdisciplinary collaboration. The findings are being translated into targeted institutional actions covering research support, capacity building, recruitment, infrastructure, researcher development and cross-departmental collaboration, further demonstrating ECoE's transition towards a systematic and evidence-based approach to research management and scientific excellence.

In addition, ECoE further strengthened its institutional capacity for technology transfer, exploitation and commercialisation during RP5. The Innovation Office (InECoE) was reinforced with dedicated

business-development and technical personnel, while engagement with the national **Central Knowledge Transfer Office (CKTO)** provided additional support in technology screening, intellectual property management, commercial outreach and exploitation planning. This capacity was further complemented through ECoE's engagement with the **widerAdvance Facility**, under which 16 Key Exploitable Results (KERs) were selected for specialised dissemination and exploitation support. Collectively, these developments enable ECoE to move beyond ad-hoc commercialisation activities to a more systematic institutional approach to identifying, assessing, protecting, developing, and exploiting promising research results, strengthening the pathway from research excellence to innovation and market or societal uptake.

From an institutional **sustainability** perspective, RP5 marked a particularly important period. The Centre secured additional **research funding**, increased its **service provision** activities, expanded its **commercialisation** portfolio, strengthened its **international partnerships**, established the ***Space BIC by ERATOSTHENES CoE* incubation programme**, and launched its **first round of five specialized HRDA-accredited vocational training programs**. Collectively, these developments demonstrate substantial progress towards the long-term sustainability objectives originally envisaged by the EXCELSIOR project.

A particularly important development related to long-term sustainability, was the approval by the Council of Ministers of the Republic of Cyprus of a new **Performance-Based Funding Mechanism for publicly funded research organisations**. The mechanism will begin in 2027 and will initially apply exclusively to Teaming Centres of Excellence (CoE), to ensure continuity after the Teaming funding ends and until "normal" operational conditions are reached. The mechanism establishes a structured pathway to support CoEs after the Teaming projects conclude, through multi-year funding agreements linked to organisational performance and strategic objectives. The revised mechanism incorporates several recommendations submitted by ECoE during the consultation process, including provisions related to funding ceilings, the balance between block and performance-based funding, and the performance assessment framework. This development is a significant step towards strengthening the long-term sustainability of CoEs in Cyprus and provides an important policy instrument to support ECoE's evolution post-EXCELSIOR.

In RP5, ECoE also focused on sustaining the partnerships established with the EXCELSIOR strategic partners. These collaborations have progressively evolved from knowledge transfer and capacity building towards joint research, development of demonstrators and methodologies, follow-on proposal development and potential joint exploitation of scientific and technological results To ensure that the collaborations continue beyond project completion, discussions were initiated during RP5 regarding the establishment of **dedicated Memoranda of Understanding (MoUs)** and other **cooperation frameworks** between **ECoE and the strategic partners**. These agreements aim to formalise the long-term collaboration mechanisms established through EXCELSIOR and create a structured framework for future joint activities.



Figure 1: Photos from the signing of strategic MoU between ECoE and NOA

A major milestone in this process was achieved on 8 July 2026, with the signing of an MoU between ECoE and NOA. The agreement was signed by Dr. Spyridon Vasilakos, Director and President of the Board of Directors of NOA, and Prof. Diofantos Hadjimitsis, ECoE's Managing Director. The MoU represents the natural continuation of the longstanding collaboration established through EXCELSIOR and marks the transition from a capacity-building relationship towards a long-term strategic partnership focused on the co-design, co-development, and co-exploitation of advanced scientific and applied solutions.

Similar discussions with the other strategic partners are currently ongoing and are expected to be finalised during the final reporting period, further supporting ECoE's long-term scientific and operational sustainability.

Finally, another important institutional development during RP5 was the formal establishment of the Cyprus Teaming for Excellence Network (**CYTEx**) through an MoU among Cyprus's seven Teaming Centres of Excellence. The network provides a structured platform for knowledge exchange, coordinated engagement with national authorities, joint initiatives and cooperation on common challenges relating to institutional development, research policy and long-term sustainability.

3.1.1 Institutional Impact Monitoring

Since its establishment through EXCELSIOR, ECoE has grown substantially across all aspects of its operations. As the Centre evolves into a mature, rapidly growing research-performing organisation, a need emerged for a more systematic approach to monitoring institutional performance, assessing impact, tracking KPIs, and supporting evidence-based decision-making.

In response, the organisation initiated the development of an integrated institutional research intelligence ecosystem during RP5, combining centralised databases, workflow automation, external data integrations, and business intelligence dashboards. This process aims to establish a reliable institutional infrastructure to support project reporting, KPI monitoring, strategic planning, research management, sustainability assessment, and organisational governance.

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.

During RP5, dedicated databases were established for the management of:

- scientific publications;
- research project proposals;
- funded projects;
- scientific and professional activities;
- stakeholder engagement, outreach, and networking activities.

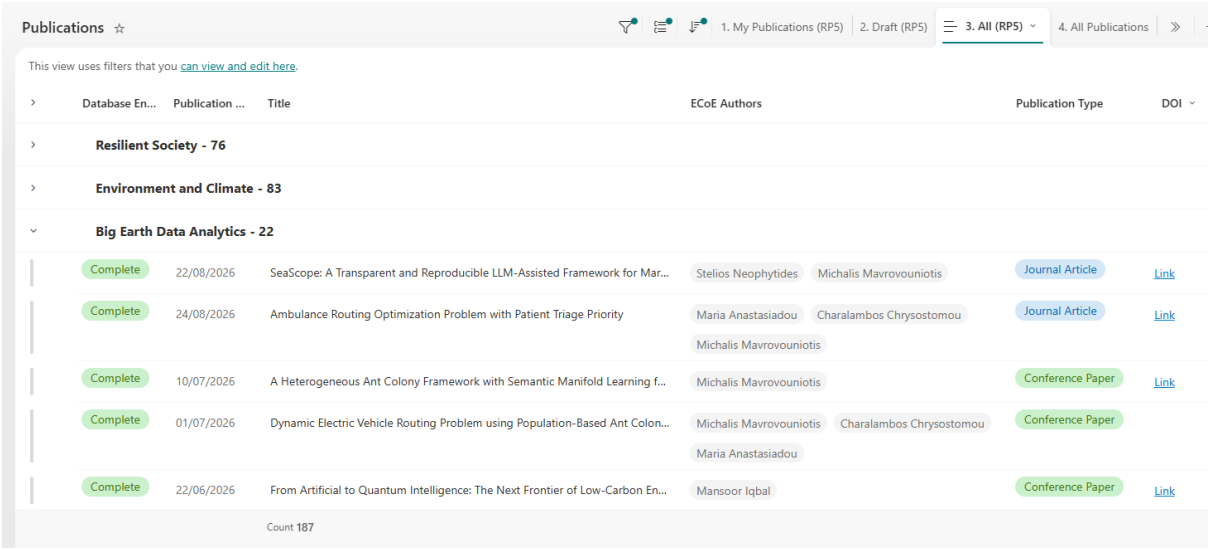


Figure 2: Screenshot from the Proposals database

The databases were implemented using Microsoft SharePoint Lists, creating a common institutional repository accessible across the Centre, and enabling collaborative management of data entries between researchers and research management teams. This transition from fragmented spreadsheets and manual data collection processes significantly improved data consistency, traceability, accessibility, and reporting efficiency.

The system was further enhanced through the implementation of automated workflows using Microsoft Power Automate, supporting activities such as:

- automated retrieval of publication metadata;
- data validation and quality control;
- researcher notifications and reminders;
- monitoring of database completeness;
- automated reporting processes.

To enrich the institutional datasets and strengthen analytical capabilities, ECoE integrated external scholarly data sources, including Scopus, Crossref, and Google Scholar, enabling automated collection of citation metrics, publication metadata, co-authorship information, and collaboration indicators.

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.

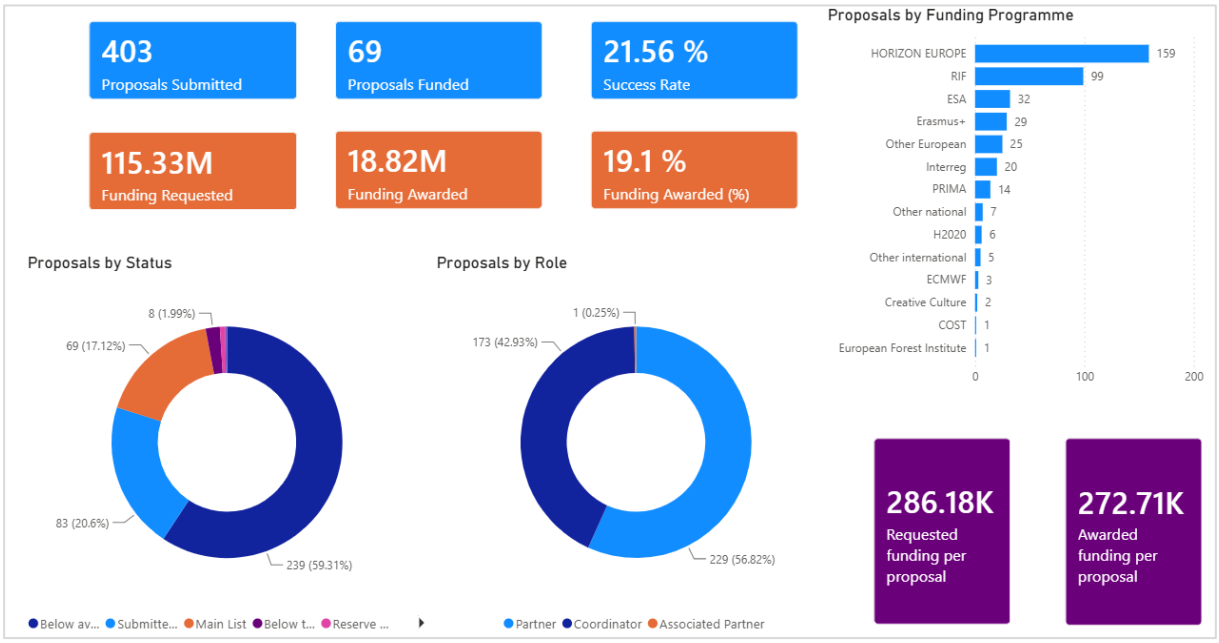
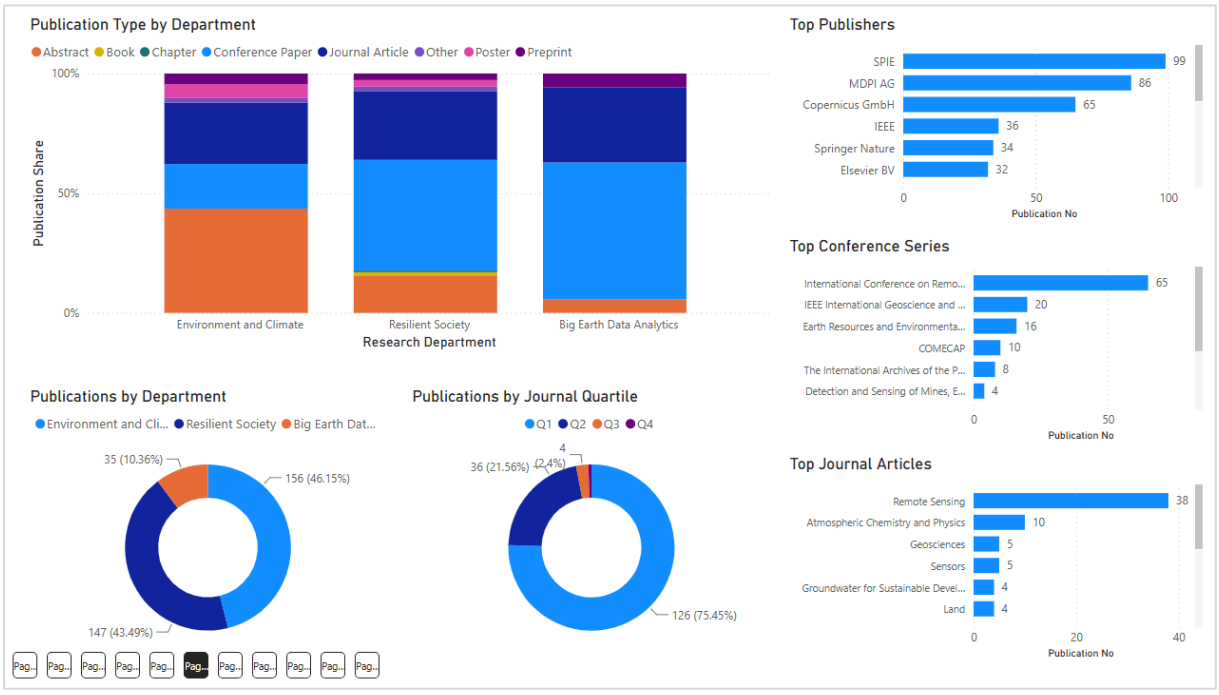


Figure 3: Screenshot from the Proposals Dashboard

Building upon these databases and workflows, ECoE developed a series of interactive business intelligence dashboards using Microsoft Power BI. These dashboards provide near real-time information on research funding performance, proposal submissions, publication outputs, citation indicators, collaboration networks, stakeholder engagement activities, and strategic partnerships. Several of the statistics, visualisations, and analyses presented in this deliverable have been generated directly through these dashboards.

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.



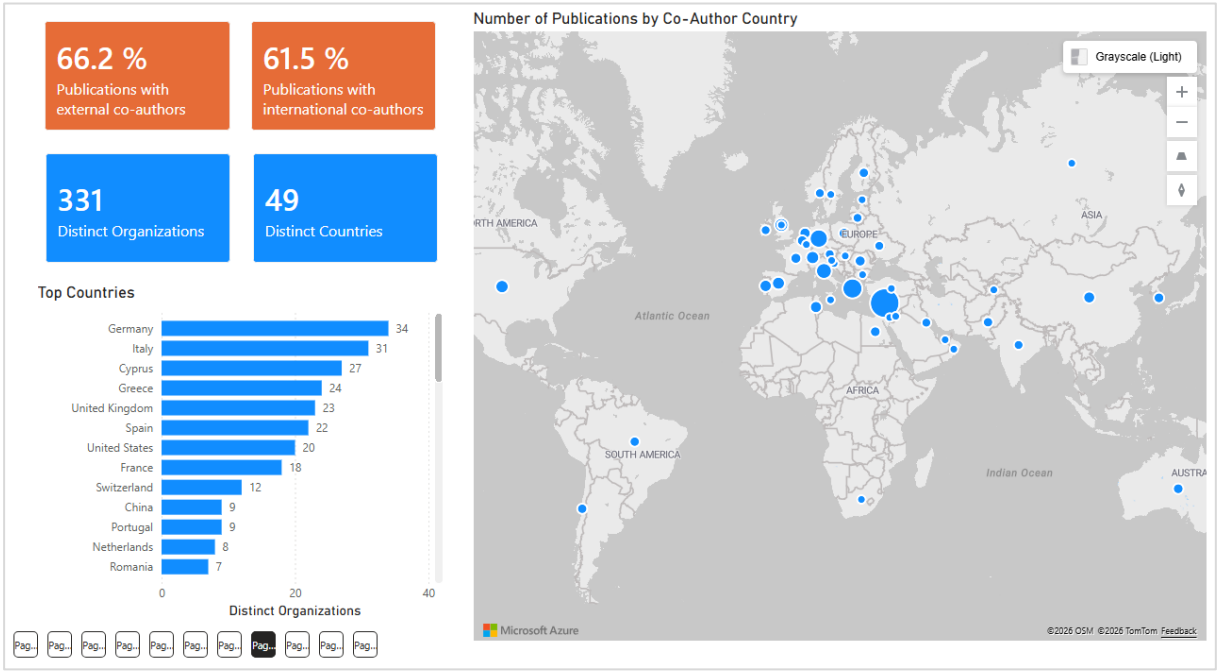


Figure 4: Screenshots from the Publications Dashboard

This institutional research intelligence ecosystem is being designed with scalability in mind, and will progressively be expanded to support further process automations and the monitoring/visualisation of additional institutional indicators and long-term sustainability metrics. Its establishment constitutes an important organisational impact of EXCELSIOR. Beyond supporting the preparation of project deliverables and impact reports, it has strengthened ECoE's capacity for evidence-based management, strategic planning, sustainability monitoring, and institutional decision-making. Importantly, the

system is being developed internally using digital, low-code, and AI-assisted tools, demonstrating how EXCELSIOR has contributed not only to scientific excellence but also to the professionalisation and digital transformation of research management within the Centre.

3.2 Impact on the Scientific Community

The scientific impact generated by EXCELSIOR continued to increase throughout RP5 and is reflected in the growth of publications, citations, collaborations, scientific visibility, and international recognition.

Table 2: KPI summary for the Impact on the Scientific Community

☑ 3 KPIs Achieved/Exceeded 3 KPIs On Track 2 KPIs Behind Target		
SC01	Number of journal articles	On track
SC02	Number of conference proceedings	On track
SC03	Number of citations in Scopus and Google Scholar	Behind Target
SC04	Number of oral/posters presentations in International Conferences and workshops	☑ Exceeded
SC05	Number of personnel visiting/using ECoE facilities, and ECoE personnel seconded to other organisations	☑ Exceeded
SC06	Number of patents/new methodologies/prototypes/designs developed	On track
SC07	Number of start-ups/spin-offs created utilising products or expertise gained from ECoE	☑ Exceeded
SC08	Turnover (Profit) of companies, start-ups and/ or spin-offs directly related to ECoE activities	Behind Target

RP5 was the most productive reporting period to date in terms of scientific output. Publication growth accelerated significantly, while the quality of publications remained exceptionally high, with the vast majority of journal papers being published in Q1 and Q2 journals. The increasing citation performance and h-index values demonstrate the growing influence of ECoE research within the international scientific community.

Notably, scientific excellence has developed alongside scientific leadership. A large proportion of publications include ECoE researchers as first authors and corresponding authors, demonstrating that ECoE is increasingly leading scientific activities and not only participating in them. The growing number of collaborative publications with the EXCELSIOR strategic partners further demonstrates the effectiveness of the project's knowledge-transfer model and the successful integration of ECoE within international research networks.

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.

The scientific maturity of the Centre is also reflected in the numerous international distinctions, highly cited publications, invited talks, keynote presentations, best paper awards, and international rankings achieved by ECoE researchers. These recognitions provide evidence that the project has succeeded not only in increasing scientific output but also in enhancing scientific quality, visibility, and reputation.

Although some scientific KPIs are not projected to fully achieve their original quantitative targets, significant progress has been made compared to previous reporting periods. Importantly, the current publication portfolio, citation performance, international collaborations, and scientific recognitions indicate that the qualitative objectives underlying these indicators have in fact been successfully achieved and continue to strengthen.

3.3 Impact on Society

The societal and economic impact of EXCELSIOR has become increasingly visible during RP5 through the Centre's growing interaction with government organisations, public authorities, industry, SMEs, academia, international organisations, and civil society.

Table 3: KPI summary for the Impact on Society

☑ 9 KPIs Exceeded		
S01	Number of research and technical staff employed.	☑ Exceeded
S02	Percentage of the research and technical staff attracted from abroad	☑ Exceeded
S03	Number of events (workshops, info days, etc.) that ECoE organised/participated	☑ Exceeded
S04	Number of meetings with local authorities, public and private stakeholders, academia, etc.	☑ Exceeded
S05	Number of services developed for the needs of public authorities/industry	☑ Exceeded
S06	Number of stakeholders from public authorities in successfully funded research proposals/tenders with the ECoE	☑ Exceeded
S07	Number of stakeholders from industry in successfully funded research proposals/tenders with the ECoE	☑ Exceeded
S08	Number of start-ups/spin-offs created utilising products or expertise gained from ECoE	☑ Exceeded
S09	Number of activities targeting non-academic audiences	☑ Exceeded

The Centre continued to strengthen its role as a trusted scientific advisor and innovation partner by developing applications, services, decision-support systems, and research-based solutions addressing environmental monitoring, disaster risk reduction, atmospheric observations, agriculture, cultural heritage, climate resilience, marine applications, and public administration needs. Several new service contracts were secured during RP5, demonstrating increasing stakeholder confidence in ECoE's capabilities and expertise.

At the same time, stakeholder engagement activities expanded substantially. ECoE participated in and organised an unprecedented number of conferences, workshops, policy dialogues, networking events, and stakeholder forums. The Centre also played a prominent role in several activities associated with the Cyprus Presidency of the Council of the European Union 2026, further increasing its visibility and influence at European level.

In the field of innovation and entrepreneurship, the operation of *Space BIC by ERATOSTHENES CoE* and the support provided to startup companies represent important milestones. While the resulting economic impacts will materialise over longer timescales, these activities have already established the foundations of a national innovation ecosystem focused on EO and space technologies.

Public outreach, education and science communication activities also continued to expand. Through workshops, public events, educational initiatives, media appearances, and outreach campaigns, ECoE contributed to increasing scientific awareness and promoting the adoption of EO technologies by the wider society.

3.4 Overall Impact

The results achieved up to the end of RP5 demonstrate that EXCELSIOR has successfully transformed ECoE into a mature, internationally visible, and rapidly growing research and innovation organisation.

Most KPIs related to infrastructure, human capital, stakeholder engagement, outreach, networking, and other institutional aspects have already achieved or exceeded their final targets. Furthermore, numerous indicators related to conferences, events, partnerships, mobility, and stakeholder engagement have significantly surpass initial project projections, suggesting that several initial targets may have been conservative relative to the Centre's eventual growth trajectory.

Table 4: KPI summary of overall Impact

☑ 28 KPIs Achieved/Exceeded
7 KPIs On Track
5 KPIs Behind Target

Some scientific KPIs related to publications, citations, and h-index remained below their original quantitative targets. Nevertheless, all indicators continue to demonstrate strong positive growth trends compared to previous RPs. Given the normal time lag associated with scientific publishing and citation accumulation, together with the increasing number of journal submissions, publications under review, and recently published articles, further improvements are expected until the end of the project and beyond.

Importantly, and in line with previous review recommendations, impact assessment should not rely exclusively on absolute KPI achievement levels but also on the quality and sustainability of the results achieved. In this context, the successful establishment of internationally recognised research infrastructures, the expansion of the Centre's scientific excellence, the creation of sustainable

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.

innovation mechanisms, the substantial growth in human capital, and the increasing influence of ECoE at regional and European level constitute major project achievements that extend beyond the mere numerical values captured by the KPI framework. Equally important, ECoE has established increasingly systematic mechanisms for periodically assessing its research environment, monitoring scientific and technological developments, identifying capability gaps, and translating these findings into strategic decisions and future priorities. These achievements provide the foundations necessary for ECoE to operate beyond the project's lifetime and continue contributing to research excellence, innovation, economic growth, and societal development in Cyprus, Europe, and the wider EMMENA region.

While the final assessment of the project will be presented in D1.19 at the conclusion of the project, the evidence available at the end of RP5 indicates that EXCELSIOR has already delivered substantial and lasting impacts across the scientific, organisational, societal, and economic dimensions originally envisaged in the project proposal.

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.

4 Detailed KPI Performance

This chapter presents a detailed analysis of the KPI performance achieved up to the end of RP5. For each indicator, the assessment considers both the quantitative progress towards the final target and the broader significance of the results achieved. In line with recommendations from previous project reviews, the evaluation extends beyond a purely numerical assessment and examines the quality, relevance, and impact of the underlying activities and achievements. Particular attention is given to the contribution of the implemented actions towards strengthening ECoE's research excellence, international visibility, innovation capacity, stakeholder engagement, and long-term sustainability.

For each indicator, the chapter presents the progress achieved during RP5, discusses the main contributing activities, evaluates the current level of achievement against the final project targets, and highlights important trends or developments influencing future performance. The detailed evidence supporting the impact assessment is presented in the following sections.

4.1 Procurement of Equipment

No.	Key Performance Indicator (KPI)	Metric	Target	RP1-RP4	RP5	Cumulative	Achievement Status
P01a	The acquisition of equipment necessary to establish a Centre of Excellence in Cyprus, including a satellite ground receiving station	The purchase of equipment for the operation of a satellite ground receiving station at the Centre of Excellence	1	0	1	**1**	**100%**
P01b	The acquisition of equipment necessary to establish a Centre of Excellence in Cyprus, including a supersite for aerosol and cloud monitoring	The purchase of equipment for the operation of research facilities of the Centre of Excellence	6	12	0	**12**	**200%**
P01c	The acquisition of equipment necessary to establish a Centre of Excellence in Cyprus and utilize equipment that can be used in remote sensing and Earth observation	The purchase of equipment for the operation of research facilities of the Centre of Excellence	5	4.7	3.8	8.5	**170%**

KPI **P01** focuses on the acquisition and deployment of the research infrastructure and equipment required to establish and operate ECoE as a world-class research and innovation centre in EO, Remote Sensing and space technologies. The investments made under this KPI are fundamental to strengthening the Centre's scientific and technological capabilities, supporting advanced research activities, facilitating international collaborations, and enabling the development of innovative services and applications for a wide range of stakeholders.

The procurement programme includes both large-scale research infrastructures, such as the Satellite **Data Acquisition Station (DAS)** and the **Ground-Based Atmospheric Remote Sensing Station (GBS)**, as well as specialised scientific instruments, sensors, geodetic equipment, laboratory instruments, computing infrastructure, and other supporting equipment required to support the Centre's research,

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.

innovation, education, and operational activities. Through these investments, ECoE continues to enhance its research excellence, increase its competitiveness in attracting research funding, and expand its capacity to deliver high-impact scientific, technological, and societal outcomes.

The procurement activities implemented under EXCELSIOR have been supported through the complementary funding committed by the Government of the Republic of Cyprus, amounting to **€8 million**. By the end of RP5, approximately **€7.1 million** had already been utilised for the acquisition of the strategic research infrastructures and equipment described in the present and previous reporting periods, including DAS and GBS (Table 5). A provision for an additional **€560k** is included in ECoE's 2026 budget for the procurement of workstations, laptops, servers, storage systems, a vehicle, and various scientific sensors required to support the Centre's operational and research activities. The remaining balance of approximately **€300k** is expected to be fully absorbed during the final reporting period, demonstrating the effective utilisation of the national complementary funding contribution and the successful implementation of ECoE's infrastructure development strategy.

Table 5: Allocation of the complementary funding committed by the Republic of Cyprus for equipment

Complementary funding for equipment	**8,000,000.00 €**
Expenses	
003/2021 & 016/2022 - GBS	1,494,626.15 €
006/2022 - DAS	3,855,000.00 €
011/2022 - Solar infrastructure	214,759.30 €
013/2022 - Computing infrastructure	224,136.50 €
021/2022 - Laptops and monitors	45,200.00 €
006/2023 - Laptops and monitors	11,245.00 €
019/2023 - Agriculture equipment	58,722.93 €
012/2023 - Geodetic equipment	153,272.00 €
037/2023 - AIS Receiver	1,299.77 €
039/2023 - Servers for GBS	21,074.90 €
014/2024 - Agriculture equipment II	156,280.00 €
037/2025 - Integrated Drone Swarm System with Mesh Communication Technology	70,924.00 €
041/2026 - AERONET Sun-Lunar Photometer	70,167.16 €
067/2025 - Agricultural Equipment III	85,454.00 €
111/2025 - Unmanned Aerial Vehicles (UAVs)	183,685.00 €
112/2025 - Active ground sensors	171,241.00 €
113/2025 - Laboratory and Calibration Equipment	170,000.00 €
114/2025 - High-Precision Airborne LiDAR System	148,750.00 €
Total Expenses	**7,135,837.71 €**
Remainder	**864,162.29 €**
2026 Budget Provision (workstations, laptops, servers' storage, car and various sensors)	560,000.00 €
Balance	**304,162.29 €**

4.1.1 Strategic Infrastructure

During RP5, following the extensive procurement, evaluation, and preparatory activities completed during RP3 and RP4 for the Earth Observation Satellite **Data Acquisition Station (DAS)**, the

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.

infrastructure reached a major implementation milestone. More specifically, the Ground Receiving Station, procured under tender procedure **006/2022**, was successfully delivered, installed, and fully commissioned in October 2025 at the Pera Teleport facilities (CYTA premises) (Figure 5). In close collaboration with ECoE, DLR, and CYTA, the contractor, Safran Data Systems, carried out all required acceptance, functionality, and performance tests to verify that the system fully complies with the specified technical, operational, and performance requirements.

The successful delivery, installation, testing, and commissioning of the DAS infrastructure resulted in the full achievement of KPI **P01a**, namely the procurement and operational deployment of the equipment required for the establishment of a satellite ground receiving station at ECoE.



Figure 5: Pictures from the completion of the On-Site Acceptance Test (OSAT) for DAS at CYTA's premises

Following the successful installation of DAS, a Joint Venture between ECoE and CYTA was formally established during RP5 to support the long-term operation and commercial exploitation of DAS. The Joint Venture is being promoted under the EarthView Cyprus brand name and is supported by an updated business and commercialization plan.

- EarthView Cyprus website: https://www.earthviewcyprus.com/

The official launch of the cooperation was made during the High-Level Forum "From Space to Solutions: Leveraging Space Technology, Earth Observation & AI for Real World Impact", organized by ECoE and CCCI under the auspices of the Cyprus EU Presidency (Figure 6). The announcement was made by Mr. Demetris Skourides, Cyprus' Chief Scientist on behalf of the President of the Republic of Cyprus, Mr. Nikos Christodoulides. EarthView Cyprus is expected to play a key role in enhancing the Centre's sustainability and expanding its Earth Observation service portfolio beyond the lifetime of the EXCELSIOR project.

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 6: Pictures from the official launch of EarthView Cyprus

The acquisition of equipment necessary to establish a supersite for aerosol and cloud monitoring (GBS), was successfully completed during RP4. All major components of the **GBS** were procured, delivered, accepted, installed, and commissioned, resulting in the full achievement of KPI **P01b**. During RP5 (July 2026), a negotiation procedure took place under tender no. **041/2026** for the replacement of the >15-year-old sun photometer of the CUT-TEPAK AERONET Station Sun Sky Lunar Photometer with Polarization measurement CE318-TP9. The tender was awarded to Cimel Electronique for the price of €58,964.00, and the equipment is expected to arrive and be installed by October 2026.

4.1.2 Agro-Meteorological equipment

This section provides an overview of the equipment procured under open tender procedure **067/2025 – "Agricultural Equipment III"**, completed in June 2025. The acquired equipment comprises integrated agrometeorological monitoring stations equipped with weather sensors, soil moisture and soil water potential sensors, data transmission units, protective housing, mounting structures (poles and brackets), and energy supply components, including batteries and solar panels.

The deployment of this equipment enables the establishment of an agrometeorological monitoring network across selected agricultural sites in Cyprus, covering crops such as olives, pomegranates, cherries, bananas, grapes, and avocados. The network is designed to provide continuous measurements of key agrometeorological parameters, including soil moisture, air temperature, relative humidity, precipitation, solar radiation, wind speed, and wind direction.

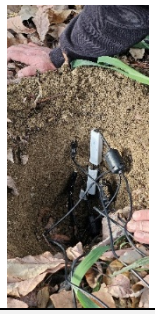
The generated observations will support a wide range of research, innovation, and service activities undertaken mainly by the Environment and Climate Department, contributing to project implementation, scientific excellence, precision agriculture applications, climate adaptation studies, irrigation management, and the development of value-added services for stakeholders in the agricultural sector.

A brief description of the individual equipment components is provided in Table 6.

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.

Table 6: List of agro-meteorological equipment procured during RP5

Quantity	Name	Short Description
Ten (10)	All -in-one "Weather Stations"	 The ATMOS-41 (METER group, Germany) is a compact size all-in-one weather station that measures 12 meteorological variables (e.g., air temperature, relative humidity, rainfall, solar radiation, wind speed and direction.)
Sixty (60)	Soil moisture sensors	 The Teros 12 (METER group, Germany) is a robust sensor for tough field conditions that measures soil moisture, temperature and electrical conductivity.
Fifty (50)	Soil water potential sensors	 The Teros 21 (METER group, Germany) is a digital soil water potential and temperature sensor. It measures matric potential across a broad range from saturation to air-dry (−5 to −100,000 kPa) using engineered ceramic discs.
Twenty (20)	Data Loggers (including housing, mounting and energy kit)	 The data loggers (including the housing, mounting and energy kit) are integrated with the sensors above to offer a complete solution in monitoring agrometeorological variables. The sensors are connected to the datalogger which is powered by a 12V battery and a solar panel. Data are transmitted at a cloud platform (wi.sense) where they are available for viewing and download.

4.1.3 Remote Sensing, 3D Mapping and Digital Construction Equipment

During RP5, ECoE has also purchased Surveying and Civil Engineering equipment to accommodate the Centre's needs for digitization, accurate measurements of the research conducted at its departments, through the open tenders **111/2026, 112/2026, 113/2026, 114/2026** and **118/2026**. The various components of the Surveying and Civil Engineering Equipment are described in detail in Table 7.

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

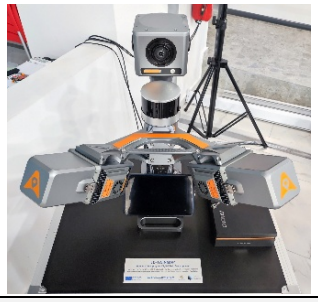
This project has received funding from the Government of the Republic of Cyprus through the Directorate General for the European Programmes, Coordination and Development as well as the Cyprus University of Technology.

Table 7: List of surveying and civil engineering equipment procured during RP5

Quantity	Name	Short Description
One (1)	UAV Systems	 Professional UAV systems capable of carrying advanced sensors (multispectral, thermal, RGB) for remote sensing, mapping, environmental monitoring, and infrastructure inspection. Includes multi-sensor UAVs, a multispectral and thermal UAV, a high-precision RGB photogrammetric camera with gimbal, and UAV navigation/control software
One (1)	Hyperspectral Imaging Systems	 High-resolution hyperspectral cameras for surface and material analysis across the visible, near infrared, and shortwave infrared spectrum. Includes VNIR and NIR/early SWIR cameras compatible with UAV or ground-based platforms, and software for data acquisition and processing. Comprehensive on-site training will be provided covering use, calibration, and data processing.
One (1)	SLAM Handheld LiDAR	 This Lot includes a handheld LiDAR system with SLAM technology for accurate 3D mapping of indoor and outdoor environments. The system provides high-resolution scanning, real-time visualization, and automatic point-cloud generation, suitable for surveying, geotechnical, archaeological, and construction applications.
One (1)	Ground Penetrating Radar (GPR) System	 This Lot includes a Ground Penetrating Radar (GPR) system for non-destructive subsurface investigation and detection of underground structures, cables, pipes, and geotechnical features. The system features multi-frequency antennas, high depth resolution, and specialized processing and visualization software.
Two (2)	Field Spectroradiometers	 Two high-precision field spectroradiometers for spectroscopic measurements in the visible, near-infrared, and shortwave infrared spectrum (350–2500 nm). The supply includes: (a) a VIS–NIR spectroradiometer, and (b) VNIR–SWIR spectroradiometer. The instruments are accompanied by complete field accessories, fibre-optic cables, reference reflectance panels, data processing software, and certified calibration

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.

Quantity	Name	Short Description
One (1)	3D Concrete Printer	 3D concrete printing system with continuous feeding capability. It includes control and slicing software, supports STL, OBJ, and GCODE formats, and complies with Industry 4.0 standards. On-site training is required for assembly, operation, and system programming.
One (1)	Airborne LIDAR	 UAV-mounted airborne LiDAR system designed for 3D mapping, surveying, and infrastructure inspection. The system integrates a LiDAR sensor, IMU, and RGB camera, ensuring automatic data collection and georeferencing. It is fully compatible with professional UAV platforms, includes a stabilized mounting system, and supports plug-and-play operation. The software enables calibration, data processing, and point-cloud visualization with support for multiple coordinate systems and control point management.
Mobile 3D mapping system (Hardware and related software)		
One (1)	CHCNAV AU20 Mobile Mapping System (MMS)	 The CHCNAV AU20 MMS is a high-precision mobile mapping system designed for vehicle-mounted applications. Its advanced LiDAR, High Resolution camera, SLAM, GNNS receiver, and AI-powered algorithms capture accurate 3D spatial data while streamlining field-to-office workflows. The system supports flexible sensor configurations for a wide range of applications from road surveying and infrastructure management to reconstruction and as-built verification.
One (1)	CHCNAV i83 GNSS Receiver	 The i83 GNSS receiver is a powerful IMU-RTK GNSS solution built for surveying, construction, and mapping professionals. Equipped with Wi-Fi, Bluetooth, NFC, UHF, and a 4G modem, it delivers versatile connectivity across multiple applications. Its power management allows 34 hours of continuous RTK rover operation, ensuring reliable performance for extended fieldwork.
One (1)	CHCNAV LT800 tablet	 The LT800 Rugged Professional Android Tablet increases the efficiency and productivity of mobile workforces engaged in tasks requiring meter-level GNSS positioning accuracy and consistent performance. Its 8.1" sunlight-readable display ensures that GIS data maps and images are easily viewed even in bright lighting conditions. Built to withstand the rigors of daily field use in harsh environments, the LT800 is the first choice for field teams facing tough conditions.

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.

In addition, during RP5, ECoE's Big Earth Data Analytics department acquired four (4) Falcon VTOL drones with integrated Vortex VTX-Mesh communication technology, ground control station, command and control software.

This acquisition will support the implementation of the BorderForce project (Horizon Europe, Grant agreement ID: 101168316) aimed at enhancing automated border surveillance. The unique technical characteristics of the Falcon VTOL system with Vortex VTX-Mesh communication technology, including extended flight time, VTOL capabilities, integrated mesh communication, advanced imaging, and modular design, make it particularly suitable for the research purposes of the project. A brief description of the equipment is provided in Table 8.

Table 8: List of border surveillance equipment procured during RP5

Quantity	Name	Short Description
Four (4)	Falcon VTOL Electric drones capable of vertical take-off and landing (VTOL) and fixed-wing flight	 VTOL fixed-wing UAVs each carrying a Topotek dual-sensor gimbal (4K RGB + 640×512 thermal, 3-axis stabilized) for day/night border surveillance. Controlled via Mission Planner as the ground C2, with mesh networking (WPA2/WPA3 encrypted) for multi-hop connectivity between nodes, targeting 15–20 km coverage and >1 km inter-node mesh range.
One (1)	Rack-mount server (1U or 2U form factor) with 240V and 48V power supplies	

4.1.4 IT and Computing infrastructure

The purchase of IT and computing equipment is essential to support ECoE's capabilities in data analysis, computational simulations, and the secure storage of research findings. Modern equipment improves efficiency, facilitates collaboration among researchers, and ensures the reliability and security of data. Additionally, it contributes to process automation, the development of innovative solutions, and compliance with the technological requirements of modern scientific research.

Table 9 lists IT and computing equipment: (i) ordered during RP4 under tender no. **070/2024** to meet the needs of the Landshift and Nostradamus projects and delivered at the beginning of RP5 (April 2025), (ii) equipment which has been ordered under tender no. **133/2025** to meet the needs of the Nemesis project, which has been delivered and is fully functional, and (iii) equipment for the general needs of the Centre.

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.

Table 9: IT and computing equipment procured for the Landshift and Nostradamus projects.

Quantity	Name	Short Description
Landshift and Nostradamus projects		
One (1)	Data Processing Server (CPU Power)	Supermicro AS -1125HSTNR 19" 1U |CPU 2X AMD Genoa 9654 DP/UP 96C/192T 2.4G |RAM: 12XMicron 96GB DDR5 |Num. SSD (Raid 1) 2X Intel Solidigm D3 S4520 3.84TB
One (1)	GPU Processing Server	Supermicro GPU A+ Server AS - 4125GSTNRT 4U |CPU: 2X AMD Genoa 9474F DP/UP 48C/96T 3.6G |GPU: 4X NVIDIA Ada L40S 48GB GDDR6 PCIe Gen 4th |RAM: 12x Micron 96GB DDR5 |Number of SSD (Raid 5): 5X Micron 5400 MAX 3.84TB
One (1)	Big Data Storage	Supermicro SSG- 640SPE1CR60 4U 60 3.5"/2.5" Hotswap SAS3/SATA3 drives, 2x Fixed slim SATA SSD, 2x NVMe M.2 |CPU: 2X Intel® Xeon® Platinum 8352V Processor 2P |RAM: 4X Supermicro (Samsung) 32GB 288-Pin DDR4 3200 |Number of NVMe SSD (Raid 1): 2X Samsung PMSA3 Sc0GB NVMe PCIe4x4 M.2 |Number of HDD (Raid 6 configuration, 4 hot spares): 48X Seagate 3.5",24TB
Twenty (20)	Laptops	Lenovo ThinkPad P16v Gen2 (Intel)
Twenty-five (25)	Monitors	27'' QHD 2560x1440 |165 Hz HDMI, Display Port
Five (5)	Hard Drives	Toshiba 4TB N300 NAS 3.5'' SATA
Nemesis project		
One (1)	Processing Server GPU	Supermicro AS -1125HSTNR 1 5U |2X AMD EPYC 9755 |16X64GB RAM |2X NVIDIA H200NVL,141GB |2X 1.92TB NVME
One (1)	File Storage	Supermicro FileStoarge SSG-542B-E1CR90 GNR-SP 4U |1X INTEL XEON 6781P 80C/160T |4X64GB RAM |2X NVME PCIe4 960GB |84X HDD 24TB - TOTAL: 2016 TB STORAGE
General needs		
Five (5)	Laptop	Lenovo ThinkPad T16 Gen3 Screen 16" WQXGA 2560x1600 | Intel Core Ultra 7 258V | 32 GB | 1TB
Ten (10)	Laptop	Lenovo ThinkBook 16 G9 Screen 16" 1920x1200|AMD Ryzen 5 220 |32GB |1TB SSD
Ten (10)	Laptop	x10 Dell LATITUDE 3550 SCREEN 15.6FHD|INTEL CORE ULTRA 5 125U|16GB DDR5|1TB M.2
Two (2)	Monitor	Samsung ViewFinity S7 S70D Monitor 27" |IPS 4K 3840x2160 |60Hz
One (1)	Custom PC	AMD Ryzen 9 9950X3D 16C/32T |128GB RAM |AORUS RTX 5090 32GBx2 | 4TB M.2 | 12TB 3.5"
One (1)	Custom PC	AMD Ryzen 9 9950X3D 16C/32T |128GB RAM |RTX A4500 ADA 24GBx2 | 4TB M.2 | 12TB 3.5"
Two (2)	Conceptronic	UPS IEC |2000VA |1800W
Twenty-eight (28)	Monitor AOC	E4 SERIES MONITOR 27"|120HZ|QHD 2560X1440

4.1.5 Construction of ECoE's premises

In addition to the procurement of equipment, substantial progress was also made during RP5 toward the construction of a new building, supported by the commitment of the Cyprus University of Technology (CUT) to accommodate the Centre's expanding needs.

Up to now, ECoE has been housed in temporary premises. This office space has been rented from the Limassol Municipality and renovated during RP2/RP3; more than 30 ECoE members of staff are currently using this office space. The remaining staff members are using office space at CUT buildings, while all ECoE personnel have access to CUT laboratories, library, IT support, etc.

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.

During RP5, in collaboration with the CUT Estates Department, the contract for the construction of ECoE's new headquarters was signed on 02/09/2025 with the selected construction company (Figure 7). The building, located in the Verengaria area of Polemidia, subsequently entered the construction phase, with an anticipated completion timeline of 18 months (delivery 04/2027 before the end of the project).



Figure 7: Pictures from the contract signing for the new ECoE building, the construction progress, and renderings of the completed facility.

4.2 Capacity building activities and secondments

No.	Key Performance Indicator (KPI)	Metric	Target	RP1-RP4	RP5	Cumulative	Achievement Status
P02a	Utilise synergies between all partners and dedicated staff visits for training, skills improvement, and empowerment	Number of trainings and capacity building activities (staff exchange, secondments, etc.)	62	32	13	**45**	73%
P02b	Utilise synergies between all partners and dedicated staff visits for training, skills improvement, and empowerment	Person-months allocated for training and capacity building activities	63.07	22.1	22.4	**44.5**	71%

Capacity building and researcher mobility activities (secondments and short-term visits) remain a cornerstone of the EXCELSIOR knowledge-transfer strategy, facilitating the exchange of expertise, advanced methodologies, and best practices between ECoE and its strategic partners. During RP5, a total of three (3) structured capacity-building activities and ten (10) researcher secondments were implemented in collaboration with DLR, NOA, TROPOS, and PMOD/WRC. Detailed information on these activities is provided in the following subsections.

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.

Collectively, these activities contributed to the achievement of 13 capacity-building activities in RP5, leading to a 73% achievement of the target value for KPI **P02a**. In addition, the activities implemented during RP5 accounted for 22.4 person-months, bringing the cumulative value of KPI **P02b** to 44.5 person-months, corresponding to 71% of the final target.

Even though both indicators are relatively below their final project targets, substantial progress has been achieved during RP5, particularly through the increased intensity and duration of researcher secondments and specialised training activities (22.4 PMs dedicated in RP5 alone, compared to 22.1 PMs for RP1-RP4 together). The results demonstrate the effective utilisation of the EXCELSIOR partnership for knowledge transfer and capacity development, with measurable impacts on research excellence, proposal development, scientific publications, and the operation of advanced research infrastructures, as described in further detail in the following sub-sections.

During **RP6**, ECoE will maintain intensive efforts to **bring the achievement levels of KPIs P02a and P02b closer to their target values** by the end of the project, through a targeted programme of capacity-building activities, secondments, technical training and knowledge exchange with the Strategic Partners. The activities already planned will focus on addressing scientific and technical capacity needs identified during RP5, supporting the sustainable operation and exploitation of ECoE's research infrastructure, and further embedding the transferred expertise within the Centre. The planned activities include:

- Capacity Building Activities and Demonstration Project with DLR on DAS.
- Capacity Building Activities and Demonstration Project with DLR on marine monitoring and oil spill detection using satellite data.
- Capacity Building Activities with DLR on the monitoring of cultural heritage assets, exploiting the capabilities of satellite data and ECoE's infrastructure.
- AI workshop in Cyprus by DLR's EO Data Science Department.
- Secondment from TROPOS to ECoE on Advanced lidar processing and PICASSO/picasso-py
- Secondment from TROPOS to ECoE on Dual-field-of-view polarization lidar techniques
- Secondment from ECoE to TROPOS on EarthCARE, advanced lidar processing and AI/ML applications
- Secondment from ECoE to TROPOS on Smoke characterization and EarthCARE aerosol validation
- Capacity Building Activities by TROPOS on ACTRIS ARS/CRS operation and CARO National Facility
- Secondment from ECoE to ETH Zurich & PMOD/WRC on advanced aerosol remote sensing for satellite validation and observational dust-event tracking and their radiative effects over Cyprus

4.2.1 Capacity building activities

During RP5, three (3) capacity-building activities were implemented in collaboration with the EXCELSIOR advanced partners (DLR and NOA). The activities were delivered through a combination of onsite and online formats, including training sessions, workshops and knowledge-transfer activities. A summary and short descriptions of the activities are provided in Table 10, while detailed analysis will

be provided in **D6.15 Workplan for Transfer of Knowledge and Experience (Update 4)**, to be submitted on M98 of the project.

These capacity-building activities significantly contributed to strengthening ECoE's scientific and technical capabilities, fostering collaboration with the advanced partners, and supporting research excellence across the Centre's thematic domains. Their impact was reflected in the submission of six (6) competitive funding proposals, the production of twelve (12) conference publications, and the publication of three (3) peer-reviewed journal articles.

Table 10: Capacity building activities organized during RP5

No.	Partner	Title	Type of Activity	Dates	Thematic Area	No. of days	No. of participants	PMs
1	DLR	Training on Hyperspectral airborne remote sensing cases of study in Cyprus	Hybrid Training Workshop and remote sessions	14-17/10/2025	Environment and Climate, Agriculture, Cultural Heritage	4	29	6.47
2	DLR	Short-term visit on Near Real Time monitoring of heritage assets exploiting hyperspectral and optical data	Training	21-24/07/2025	Cultural Heritage	4	6	1.34
3	NOA	On-site Training on Citrus Tree Classification in Urban Areas and Mixed Orchards with Remote Sensing	Training	18-19/05/2026	Agriculture	2	8	0.89
								8.7
[1] This session focused on the theory and practical application of hyperspectral remote sensing image processing using data collected during the HySpex campaign in Cyprus (October 2023). Specifically, it covered: (a) hyperspectral image processing workflows (L1A, L1B and L2A), (b) data processing techniques for agriculture, water quality monitoring and bathymetry, and (c) the application of these methods to local case studies, including crop mark detection, environmental monitoring and cultural heritage applications. The training combined theoretical concepts with practical exercises, enabling participants to develop advanced skills in hyperspectral data processing and analysis for Earth Observation applications. **[2]** This short-term visit focused on the theory and practical application of hyperspectral and optical remote sensing for the near real-time monitoring of cultural and natural heritage assets. Specifically, it covered: (a) hyperspectral data acquisition, preprocessing, and analysis workflows, including atmospheric correction, spectral unmixing, dimensionality reduction, and classification, (b)								

the use of advanced processing platforms and tools such as CATENA, Google Earth Engine (GEE), EnMAP, and LimoVIS for Earth Observation applications, and (c) practical demonstrations, laboratory visits, and hands-on exercises supporting the monitoring of heritage sites, land, soil, and vegetation. The training strengthened participants' expertise in hyperspectral data processing and equipped them with the knowledge required to apply advanced remote sensing methodologies to heritage monitoring and environmental applications within ECoE.

[3] This training focused on the application of remote sensing techniques for the classification of citrus trees in urban areas and mixed orchards.

Specifically, it covered: (a) remote sensing methodologies for citrus tree classification in complex agricultural and urban environments, (b) Python-based notebooks and computational workflows for geospatial data processing and analysis, and (c) hands-on exercises using real datasets to develop practical skills in data analysis, troubleshooting, and the application of programming-based tools. The training enhanced participants' capacity to apply remote sensing and data-driven methodologies in agricultural monitoring and research activities at ECoE.

4.2.2 Secondments

Secondments constitute a key capacity-building mechanism within EXCELSIOR, facilitating the transfer of knowledge, skills, methodologies, and best practices between ECoE and its strategic partners. Through these placements, ECoE researchers gain hands-on experience with advanced research infrastructures, specialised analytical tools, and state-of-the-art scientific methodologies, while strengthening international collaborations and expanding the Centre's research excellence. During RP5, **eight (8) ECoE personnel** participated in a total of **ten (10) secondments** to the strategic partner organisations, as shown in Table 11, contributing to the enhancement of ECoE's scientific and technical capacity across multiple research domains.

Table 11: Overview of researcher secondments during RP5

No.	Secondment Title	Secondee	Partner	Start Date	End Date	Duration	PMs
1	Mapping and modelling land-use change clusters in the EMENA region	Dimitrios Koumoulidis	NOA	16/06/2025	27/06/2025	2 weeks	0.56
2	Advanced Support and Methodological Training on Land Use Modelling	Dimitrios Koumoulidis	NOA	10/11/2025	21/11/2025	2 weeks	0.56
				18/05/2026	18/06/2026	1 month	1.34
3	Integrated Approaches for Flood Risk Assessment and Management	Constantinos Panagiotou & Josefina Kountouri	NOA	17/02/2025	26/05/2025	3 months (1.5 in RP5)	3.91
4	Vegetation change detection focusing on herbicide treatments for weed control	Eleni Loulli	NOA	14/07/2025	18/07/2025	1 week	0.28
				08/09/2025	12/09/2025	1 week	0.28
				03/11/2025	14/11/2025	2 weeks	0.56

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.

No.	Secondment Title	Secondee	Partner	Start Date	End Date	Duration	PMs
				14/04/2026	22/04/2026	2 weeks	0.56
5	Dust aerosol characterization, spectral measurements analysis, modelling and inversion techniques	Georgia Charalambous	PMOD/WRC	11/05/2026	09/06/2026	1 month	1.28
6	Solar instrument and data analysis / aerosol cloud radiation interaction training / satellite validation training	Georgia Charalambous	PMOD/WRC	22/04/2025	15/05/2025	3.5 weeks	1.00
				22/09/2025	12/10/2025	3 weeks	0.84
7	Lidar Systems Technical Training	Maria Poutli	TROPOS	07/05/2025	23/05/2025	2.5 weeks	0.73
8	Smoke Characterization using PollyXT lidar measurements / Aerosol-Cloud interactions	Maria Poutli	TROPOS	16/03/2026	01/04/2026	2.5 weeks	0.73
9	Aerosol-Cloud Interaction – Dual Field-of-View Training	Konstantinos Chrysostomou	TROPOS	01/06/2026	12/06/2026	2 weeks	0.56
10	Aerosol Layering, EarthCARE Overpass Analysis and aerosol typing based on HETEAC-Flex	Athina Savva	TROPOS	11/05/2026	22/05/2026	2 weeks	0.56
							13.7

4.2.2.1 Advanced Support and Methodological Training on Land Use Modelling (Dimitrios Koumoulidis, NOA)

The objective of this secondment was to strengthen expertise in land use modelling through advanced methodological training at the BEYOND Centre of Earth Observation Research and Satellite Remote Sensing of NOA. During the one-month secondment, Dimitrios Koumoulidis received hands-on training in state-of-the-art approaches for simulating future land use scenarios using EO data, machine learning techniques, and cellular automata methodologies. The acquired knowledge was intended to support his ongoing PhD research, while establishing an operational framework for future land use modelling in Cyprus.

Throughout the secondment, activities focused on the review and integration of land use and land cover datasets, followed by the implementation of the M**OLUSCE (Modules for Land Use Change Simulation)** model within the NextGIS environment. The training covered data preparation, model parameterization, calibration, and the development of simulation workflows to generate future land use scenarios for the Larnaca region. Particular emphasis was placed on integrating machine learning methods with cellular automata techniques to improve the accuracy and reliability of land use change predictions.

The secondment resulted in the development of a fully operational pipeline for simulating future land use scenarios for the Larnaca region, providing a valuable tool for ongoing research and future environmental planning activities. The knowledge transfer significantly strengthened ECoE's capacity in land use and land cover modelling, advanced geospatial analytics, and scenario-based decision support, while fostering collaboration with NOA in the field of EO and environmental modelling.



Figure 8: Photo from the secondment of Dimitrios Koumoulidis to NOA

4.2.2.2 Mapping and modelling land-use change clusters in the EMENA region (Dimitrios Koumoulidis, NOA)

The objective of this secondment was to strengthen expertise in spatial machine learning and land-use change modelling through advanced methodological training at the BEYOND Centre of Earth Observation Research and Satellite Remote Sensing of NOA. During the two-week secondment, Dimitrios Koumoulidis received hands-on training in advanced clustering algorithms and predictive modelling techniques to analyse land-use change patterns and their environmental drivers. The acquired knowledge was intended to support ongoing research activities and generate publishable scientific outputs for regional planning applications in the Eastern Mediterranean, Middle East and North Africa (EMMENA) region.

Throughout the secondment, activities focused on the preparation and integration of multi-source geospatial datasets, exploratory spatial data analysis, and feature engineering for land-use change modelling. The training covered the application of unsupervised clustering techniques, including k-means, k-medoids, hierarchical clustering, and Isomap, as well as supervised Machine Learning methods such as Logistic Regression, Multinomial Generalized Linear Models, and Random Forests. Particular emphasis was placed on interpreting model outputs through explainable AI techniques, including permutation importance, SHAP values, and Individual Conditional Expectation (ICE) curves. Additional activities included the production of high-quality cartographic outputs, scientific visualization, and the development of a publication plan for a joint ECoE and NOA scientific article.

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.

The secondment significantly enhanced the participant's expertise in spatial machine learning, land-use change analysis, and predictive environmental modelling. The knowledge transfer strengthened ECoE's capacity to analyse complex land-use dynamics using advanced EO and Artificial Intelligence methodologies, while reinforcing scientific collaboration with NOA and establishing the foundation for future joint publications and research activities in regional land-use monitoring and planning.

4.2.2.3 Integrated Approaches for Flood Risk Assessment and Management (Dr. Constantinos Panayiotou & Josephina Kountouri, NOA)

The secondment to NOA was initiated during RP4 and continued into RP5, providing continuity in the transfer of knowledge and development of flood-risk assessment capabilities at ECoE. The RP5 phase focused on further strengthening the expertise of Constantinos Panagiotou and Josephina Kountouri through continued collaboration with experienced researchers from NOA (Alexia Tsouni, Vaso Pagana, and Stavroula Sigourou). The activities were implemented through a combination of onsite training at both NOA and ECoE facilities, as well as online sessions.

During the RP5 segment of the secondment, the participants focused on the collection, preparation, and analysis of flood-related data from high-risk regions, including emergency calls to the Fire Service during flood events, geomorphological characteristics, and socio-economic conditions. They developed further expertise in selecting and ranking relevant criteria based on hydrological, hydraulic, socio-economic, and statistical considerations, as well as in generating flood inventory maps using emergency-call data and Earth Observation mapping for validation purposes. Machine-learning approaches for predicting flood-related indicators were also introduced.

Further training covered advanced hydraulic and hydrological modelling using HEC-RAS and HEC-HMS, including the preparation and processing of raw input data and a deeper understanding of the hydrological and hydraulic processes represented by the models. Participants also gained experience in developing and analysing additional flood scenarios using different return periods, Curve Numbers (CN), and rainfall durations. The secondment included the analysis of the flood early-warning system implemented in the Mandra river basin in Greece and consideration of its potential adaptation to the Garyllis river basin in Cyprus.

The final phase focused on enhancing the participants' skills in web-based GIS applications for flood-risk assessment and supporting the subsequent implementation of the "Flood Risk Assessment toward Disaster Risk Reduction" demonstration project. The continued knowledge transfer strengthened ECoE's capacity to undertake integrated flood-risk assessments, combine EO and in-situ information with hydrological and hydraulic modelling, and develop tools and methodologies supporting disaster risk reduction and early-warning applications. It also reinforced the collaboration between ECoE and NOA and provided a foundation for the continued development and application of the methodologies within the Centre.

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 9: Photos from the secondment of Josephina Kountouri to NOA.

4.2.2.4 *Vegetation change detection focusing on herbicide treatments for weed control (Dr. Eleni Loulli, NOA)*

The objective of this secondment was to strengthen expertise in **vegetation change detection and machine learning methodologies** for monitoring herbicide treatments in agricultural areas using EO data. During the secondment at NOA, Dr. Eleni Loulli received advanced training on the application of remote sensing and Artificial Intelligence techniques to detect abrupt vegetation changes associated with weed management practices. The acquired knowledge aimed to support the development of operational methodologies for monitoring agricultural subsidy compliance under the Cyprus Strategic Programme for the Common Agricultural Policy (CAP), while enhancing ongoing research activities within ECoE.

Throughout the secondment, activities focused on the analysis of multi-temporal satellite imagery, the identification of vegetation changes resulting from herbicide applications, and the implementation of machine learning approaches for automated change detection. The training included data preparation and preprocessing, feature extraction, model development and validation, and the interpretation of vegetation spectral responses associated with different weed control practices. Particular emphasis was placed on exploiting Python-based machine learning libraries and Earth Observation datasets to develop reliable workflows capable of distinguishing herbicide-induced vegetation changes from other land cover dynamics.

The secondment significantly enhanced the participant's expertise in agricultural remote sensing, vegetation monitoring, and Artificial Intelligence applications for precision agriculture. The knowledge transfer strengthened ECoE's capacity to develop innovative EO solutions for agricultural monitoring, support evidence-based implementation of the Common Agricultural Policy and expand collaboration with NOA in the fields of environmental monitoring, machine learning, and sustainable agriculture.

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 10: Photos from the secondment of Dr. Eleni Loulli to NOA.

4.2.2.5 *Dust aerosol characterization, spectral measurements analysis, modelling and inversion techniques (Georgia Charalampous, PMOD/WRC and ETH Zurich)*

The objective of this secondment was to strengthen expertise in **dust aerosol characterization, spectral solar radiation analysis, radiative transfer modelling, and GRASP inversion techniques** through advanced research training at PMOD/WRC and ETH Zurich. As part of her PhD research in atmospheric and solar physics, Georgia Charalampous participated in an extended secondment programme designed to enhance her scientific knowledge of dust aerosol properties, aerosol-radiation interactions, and the application of advanced modelling methodologies for atmospheric research. The secondment also supported the exchange of expertise between the ECoE and PMOD/WRC, fostering long-term scientific collaboration.

Throughout the secondment, activities focused on the analysis of spectral solar radiation measurements collected during dust episodes over Cyprus, the implementation of radiative transfer models, and the application of GRASP inversion techniques for retrieving aerosol optical and mineralogical properties. The training included the processing and quality control of spectral datasets, the interpretation of combined ground-based observations and modelling products, and the assessment of dust radiative effects on solar radiation. Participants also gained hands-on experience with PMOD/WRC calibration facilities, quality assurance and quality control procedures, and advanced methodologies for satellite product validation and long-term atmospheric variability studies. Close collaboration with researchers from PMOD/WRC and ETH Zurich further supported the development of scientific methodologies and joint research activities.

The secondment significantly strengthened the participant's expertise in atmospheric remote sensing, aerosol characterization, spectral data analysis, and radiative transfer modelling. The knowledge transfer enhanced ECoE's capacity in atmospheric and climate research, particularly in the analysis of dust aerosols and their impacts on solar radiation. Furthermore, the collaboration established a strong foundation for future joint scientific publications, international research activities, and the

advancement of the participant's doctoral research while reinforcing strategic cooperation with PMOD/WRC and ETH Zurich.



Figure 11: Photos from the secondment of Georgia Charalambous to PMOD/WRC

4.2.2.6 *Solar instrument and data analysis / aerosol cloud radiation interaction training / satellite validation training (Georgia Charalampous, PMOD/WRC, ETH Zurich and the EarthCARE Campaign)*

The objective of this secondment was to strengthen expertise in solar radiation instrumentation, atmospheric observations, satellite validation, and aerosol-cloud-radiation interactions through advanced training at PMOD/WRC, ETH Zurich, and the ESA/PMODWRC EarthCARE Exploratory Campaign. As part of her PhD research in atmospheric and solar physics, Georgia Charalampous participated in a series of research secondments designed to enhance her knowledge of solar radiation measurements, instrument calibration, atmospheric processes, and satellite validation methodologies while promoting the transfer of knowledge between ECoE and PMOD/WRC.

Throughout the secondment, activities focused on the calibration, quality assurance, and operation of solar and aerosol measurement instrumentation, as well as the analysis of long-term atmospheric datasets and solar radiation time series. The training included hands-on experience with calibration

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.

laboratory infrastructure, participation in international field measurement campaigns following World Meteorological Organization (WMO) protocols, and involvement in the ESA EarthCARE Exploratory Campaign to support satellite validation activities. Additional training covered aerosol–cloud–radiation interactions, atmospheric process analysis, data quality control, gap-filling methodologies, and the interpretation of satellite and ground-based observations. Collaboration with researchers from PMOD/WRC and ETH Zurich also facilitated the exchange of expertise on solar radiation monitoring, atmospheric research, and future scientific applications of the ECoE observational infrastructure.

The secondment significantly strengthened the participant's expertise in solar radiation measurements, atmospheric monitoring, instrument calibration, and satellite validation techniques. The knowledge transfer enhanced ECoE's capacity to operate and maintain its solar monitoring infrastructure, contribute to international atmospheric measurement campaigns, and support EarthCARE validation activities. Furthermore, the secondment reinforced long-term scientific collaboration with PMOD/WRC and ETH Zurich, while contributing to the participant's doctoral research, future conference presentations, and joint scientific publications.



Figure 12: Photos from the secondment of Georgia Charalambous at PMOD/WRC

4.2.2.7 Lidar Systems Technical Training (Maria Poutli, TROPOS)

The objective of this training was to strengthen expertise in lidar system operation, calibration, quality assurance, and atmospheric data analysis through advanced technical training at TROPOS. During the training, Maria Poutli received hands-on instruction on the operation and configuration of the PollyXT lidar system, with particular emphasis on depolarization calibration, quality assurance procedures, and

the scientific interpretation of lidar observations for aerosol–cloud interaction studies and satellite validation. The acquired knowledge was intended to support ECoE's operational activities, and enhance its capabilities in atmospheric monitoring.

Throughout the training, activities focused on system familiarization, laser alignment procedures, and the calibration of lidar depolarization measurements. The participant gained practical experience in configuring Single Calculus Chain (SCC) parameters, executing quality assurance tests, and interpreting calibration and ATLAS processing outputs. Additional activities included scientific discussions on aerosol-cloud interactions, EarthCARE satellite validation, and smoke property characterization, as well as the application of lidar observations to atmospheric research. The training concluded with the development of step-by-step operational procedures for system start-up, alignment, and calibration to support future knowledge transfer within ECoE.

The training significantly enhanced the participant's expertise in lidar instrumentation, atmospheric remote sensing, and quality assurance methodologies. The knowledge transfer strengthened ECoE's capacity to independently operate and maintain its lidar infrastructure, support EarthCARE validation activities, and contribute to advanced atmospheric research on aerosols, clouds, and their interactions. Furthermore, the training reinforced collaboration with TROPOS and established a foundation for future joint scientific activities and operational support.

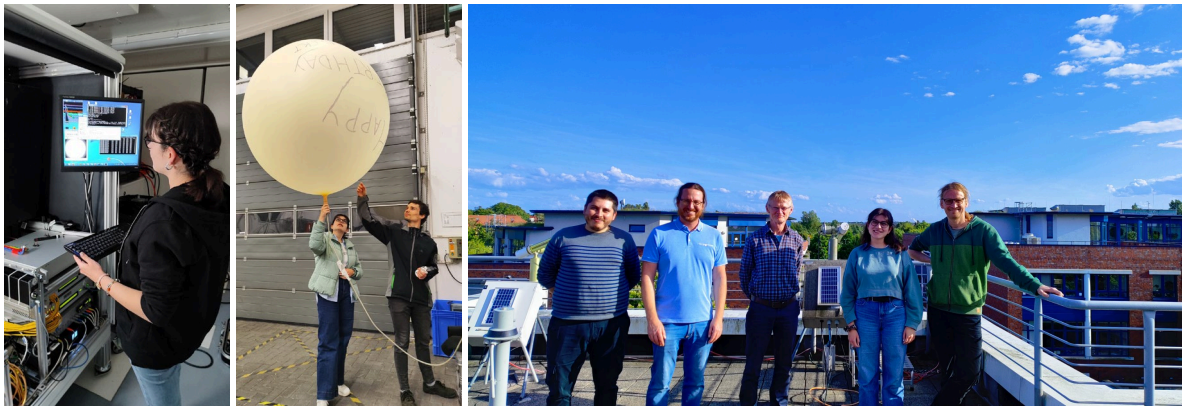


Figure 13: Photos from the secondment of Maria Poutli to TROPOS

4.2.2.8 Smoke Characterization using PollyXT lidar measurements / Aerosol-Cloud interactions (Maria Poutli, TROPOS)

The objective of this secondment was to strengthen expertise in smoke aerosol characterization, aerosol–cloud interactions, and EarthCARE satellite validation through advanced research training at the Leibniz Institute for Tropospheric Research (TROPOS) in Leipzig, Germany. Building upon previous training in lidar operation and data processing, Maria Poutli further developed her expertise in the scientific analysis of lidar observations, with a particular focus on smoke aerosol properties, cloud formation processes, and satellite-ground validation methodologies. The secondment aimed to enhance ECoE's research capacity in atmospheric remote sensing while fostering collaboration with TROPOS on wildfire smoke studies.

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.

Throughout the secondment, activities focused on the characterization of tropospheric smoke layers over Cyprus using PollyXT lidar observations and the investigation of their impacts on aerosol–cloud interactions. The training included the analysis of smoke plume evolution, aerosol optical and microphysical properties, and the assessment of smoke transport, ageing processes, and removal mechanisms. Particular emphasis was placed on the application of the POLIPHON methodology for estimating smoke mass concentrations, identifying dust-smoke mixtures, and evaluating the role of smoke particles as cloud condensation nuclei (CCN) and ice-nucleating particles (INPs). Additional activities included the comparison of EarthCARE ATLID observations with ground-based lidar measurements, sensitivity analyses, participation in EarthCARE calibration and validation (Cal/Val) activities, and discussions on the preparation of joint scientific publications.

The secondment significantly enhanced the participant's expertise in atmospheric lidar applications, smoke aerosol characterization, aerosol–cloud interaction studies, and EarthCARE validation techniques. The knowledge transfer strengthened ECoE's capacity to investigate wildfire smoke using advanced Earth Observation methodologies, integrate satellite and ground-based atmospheric observations, and contribute to international research on aerosol processes in the Eastern Mediterranean. Furthermore, the secondment reinforced scientific collaboration with TROPOS and laid the foundation for future joint publications and research initiatives in atmospheric and climate science.

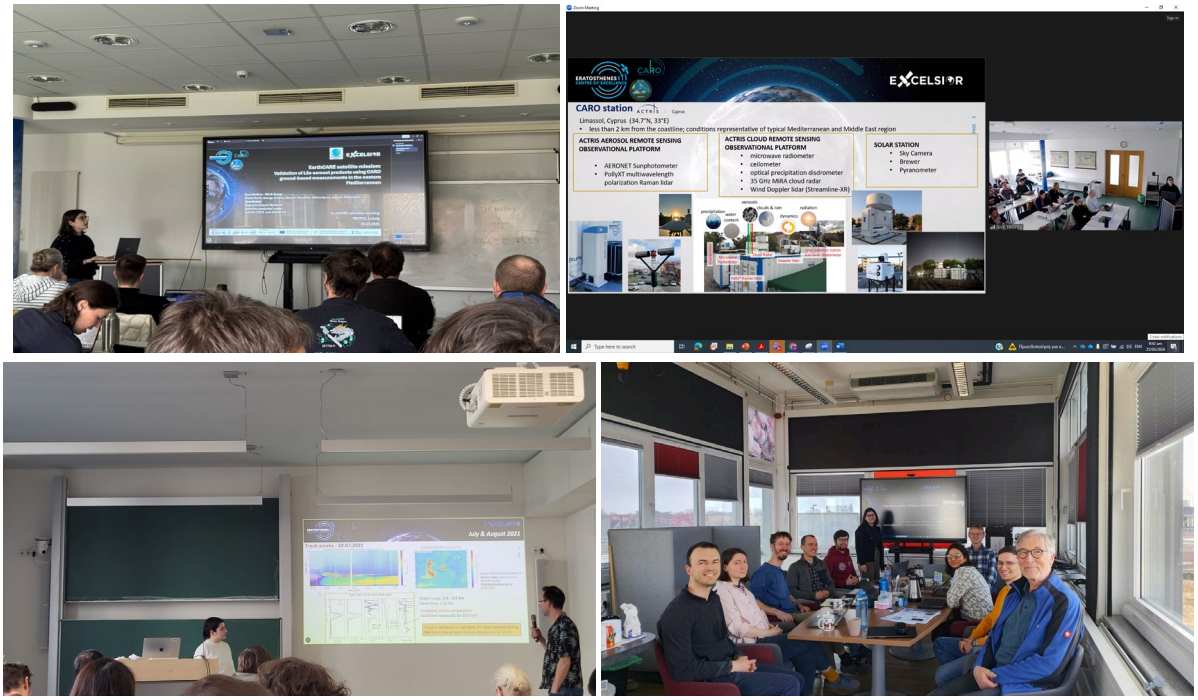


Figure 14: Photos from Maria Poutli's secondment to TROPOS.

4.2.2.9 *Aerosol-Cloud Interaction – Dual Field-of-View Training (Konstantinos Chrysostomou, TROPOS)*

The objective of this secondment was to strengthen expertise in aerosol-cloud interactions, Dual Field-of-View (DFOV) lidar retrievals, LIRAS-Ice methodologies, and Earth Observation data analysis through advanced research training at TROPOS. During his secondment, Konstantinos Chrysostomou received

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.

specialised training on advanced lidar retrieval techniques for investigating aerosol-cloud interactions in liquid and mixed-phase clouds, while contributing to the harmonisation and further development of retrieval methodologies within the PollyNet community. The secondment also supported the preparation of future joint scientific publications and strengthened collaboration between ECoE and TROPOS.

Throughout the secondment, activities focused on the application and validation of the Dual Field-of-View (DFOV) technique and the LIRAS-Ice retrieval methodology using lidar, Doppler lidar, and cloud radar observations. The training included participation in the ACTRIS Cloud Remote Sensing Community (CCRES) Workshop, scientific discussions on aerosol–cloud interaction processes, implementation and optimisation of DFOV and LIRAS-Ice retrieval algorithms, and comparative analyses of atmospheric case studies from Cyprus and other international observation sites. Additional activities involved updating cloud condensation nuclei (CCN) retrieval methodologies, analysing EarthCARE validation cases, integrating Doppler lidar observations into aerosol-cloud interaction studies, and contributing to the preparation of conference presentations and future scientific publications. Close collaboration with TROPOS researchers further enhanced the participant's understanding of state-of-the-art retrieval techniques and their operational implementation within the PollyNet processing chain.

The secondment significantly enhanced the participant's expertise in advanced atmospheric lidar retrievals, aerosol-cloud interaction research, and EarthCARE validation methodologies. The knowledge transfer strengthened ECoE's capacity to investigate cloud-relevant aerosol properties using synergistic ground-based remote sensing observations and advanced retrieval techniques. Furthermore, the collaboration established a strong foundation for future joint research activities, conference contributions, and scientific publications, while reinforcing the strategic partnership between ECoE and TROPOS in atmospheric remote sensing and cloud physics.



Figure 15: Photos from the secondment of Konstantinos Chrysostomou to TROPOS.

4.2.2.10 Aerosol Layering, EarthCARE Overpass Analysis and aerosol typing based on HETEAC-Flex (Athina Savva, TROPOS)

The objective of this secondment was to strengthen ECoE's expertise in aerosol characterisation through the combined analysis of EarthCARE satellite observations and ground-based lidar

measurements from the Limassol station. During her secondment at TROPOS, Athina Savva received hands-on training in advanced aerosol layering, aerosol typing, inversion methodologies, and satellite–ground-based data analysis. The training built upon her existing experience in lidar aerosol analysis and provided an opportunity to further develop her expertise through direct collaboration with researchers specialised in aerosol remote sensing and algorithm development.

A key component of the knowledge transfer was the use of the Python-based layer tool (ltool) for manual, visual, and algorithm-based aerosol layer identification, together with the HETEAC-Flex aerosol typing scheme. The training included the configuration and optimisation of HETEAC-Flex and the investigation of the influence of different a-priori assumptions on aerosol classification. In addition, the secondment introduced the EarthCARE Kit tool and its application to satellite overpass analysis, with particular emphasis on cases over Limassol and their comparison with ground-based lidar observations.

The secondment strengthened the capacity of the ECoE team to combine satellite and ground-based observations for aerosol characterisation and validation. The knowledge acquired is directly transferable to the Centre's ongoing atmospheric research and EarthCARE validation activities, supporting the development of harmonised methodologies for aerosol analysis and improving the interpretation of aerosol properties derived from lidar measurements. The activity also strengthened collaboration between ECoE and TROPOS and established a basis for future joint research activities and scientific publications.



Figure 16: Photos from the secondment of Athina Savva to TROPOS.

4.2.3 Training and Skill Development Programs

In addition to the capacity building activities organized with the strategic partners, during RP5, ECoE continued to provide researchers and other staff members with a wide range of training opportunities, including specialized technical seminars, professional development workshops, and skills enhancement programs, as shown in Table 12. These initiatives aimed to further strengthen employee competencies, improve productivity, support professional growth, and enhance the organization's overall research and operational capacity.

Table 12: Staff trainings implemented in RP5

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.

Topic	Dates	Training provider
MS Excel basic	14/05/2025 - 02/06/2025	AKTINA KE LTD
Certified Associate in Python Programming (PCAP)	28/05/2025 - 03/07/2025 29/05/2025 - 04/07/2025	AKTINA KE LTD
MS Excel Advanced	17/06/2025 - 20/06/2025	AKTINA KE LTD
Python Data Analysis	09/07/2025 - 01/08/2025 10/07/2025 - 30/07/2025	AKTINA KE LTD
Using Canva for Social Media Visuals, Videos and Infographics for Business	22/07/2025 - 23/07/2025	Education & Information Technology Centre (EdiTC)
MS Power BI	10/09/2025 - 06/10/2025 08/10/2025 - 30/10/2025	AKTINA KE LTD
MS Word	07/10/2025 - 09/10/2025	AKTINA KE LTD
SQL	08/10/2025 - 22/10/2025	AKTINA KE LTD
Developing a Culture of Intrapreneurship and Innovation	04/11/2025 - 06/11/2025	Charakis Research & Consulting Ltd
Strategic transformation of workplaces into learning workplaces	28/11/2025 - 05/12/2025	Mediterranean Management Centre (MMC Ltd)
Employment Contracts - Teleworking - Part-Time Employment - Working Hours - Parental Leave	16/02/2026	Cyprus Chamber of Commerce and Industry (CCCI)
Termination of Employment	19/02/2026	Cyprus Chamber of Commerce and Industry (CCCI)
Health and Safety in the Workplace	02/03/2026 - 26/03/2026 15/05/2026 - 22/05/2026	Qualisys Consultants Ltd
MS Excel (Introductory to Advanced level)	18/03/2026 -26/06/2026	Icarus Private Institute
Training on the Mobile 3D Mapping System	23/03/2026 - 24/03/2026	Geosystems HELLAS and CHC Navigation
Visualising your Data: An Introductory training on the power of 'Power BI'	04/05/2026	Cyprus Chamber of Commerce and Industry (CCCI)
Modern Human Resource Management: All about HR	19/05/2026 - 26/05/2026	Cyprus Chamber of Commerce and Industry (CCCI)
Training in the use of the eValueJobs job evaluation tool	14/05/2026	Cyprus Chamber of Commerce and Industry (CCCI)
Strategic Leadership and Governance for Human Well-Being and Organisational Resilience	26/05/2026 - 28/05/2026	Charakis Research & Consulting Ltd

4.3 Demonstration Projects

No.	Key Performance Indicator (KPI)	Metric	Target	RP1-RP4	RP5	Total	Achievement Status
P02c	Utilise synergies between all partners and dedicated staff visits for training, skills improvement, and empowerment	Number of people participated in demonstration projects	40	64	16	**80**	**200.00%**

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.

Throughout the implementation of the EXCELSIOR project, the Research Capacity Demonstration (RCD) programme has served as an important mechanism for strengthening ECoE's scientific and technical capabilities. The RCDs bring together ECoE researchers and the EXCELSIOR Strategic Partners to develop, validate, and demonstrate advanced Earth Observation (EO) methodologies, technologies, processing workflows, and services. In addition to demonstrating research excellence, the activities facilitate knowledge transfer, strengthen operational capabilities, support scientific collaboration, and provide a basis for the further exploitation of developed methodologies and products.

During the third implementation cycle (Cycle 3; September 2024–September 2026) of the RCD programme, which includes the entire RP5, 4 RCD projects were implemented (3 completed and 1 ongoing), with the participation of 16 ECoE researchers, as shown in Table 13. As a result, KPI **P02c** has been successfully achieved, reaching 200% of its target value. In addition, a total of **15 RCDs have been implemented** (14 completed and 1 ongoing) since the start of EXCELSIOR, **surpassing the initial goal of 12 RCDs,** with one additional RCD cycle remaining to be implemented. These achievements demonstrate the central role of the RCD programme in supporting research excellence, strengthening scientific capacity, promoting multidisciplinary collaboration, and facilitating the transfer of knowledge and methodologies from the EXCELSIOR strategic partners to ECoE personnel.

Table 13: RCDs implemented during Cycle 3

No.	Title	Strategic Partner	No. of ECoE participants	Status
1	Flood risk assessment toward disaster risk reduction (Phase II)	NOA	6	Completed
2	Development of the National Next-Day Wildfire Risk Prediction AI Model for Cyprus	NOA	5	Completed
3	Aerosol and Cloud Observation	TROPOS	5	Completed
4	Citrus Tree Classification in Urban Areas and Mixed Orchards with Remote Sensing	NOA	tbc	Ongoing
			16	

A preliminary assessment of the overall impact of the RCD programme on strengthening the research capabilities of ECoE, from the start of the programme up to the end of Cycle 3, has been provided in **D7.10 Research Capacity Demonstration Report** submitted in Month 84. A subsequent and concluding deliverable, **D7.11: Final Research Capacity Demonstration Report**, scheduled for Month 99, will present the outcomes of the fourth and last RCD cycle, as well as a comprehensive impact assessment of the RCD activities throughout all 4 cycles.

The RCD activities implemented during RP5 addressed a broad range of societal and scientific challenges, including disaster risk reduction, wildfire preparedness, atmospheric monitoring, aerosol–cloud interactions, EarthCARE calibration and validation, and agricultural monitoring. Through collaboration with strategic partners, particularly **NOA and TROPOS**, the projects combined EO data,

artificial intelligence and machine learning, hydrological and hydraulic modelling, advanced atmospheric remote sensing, and geospatial analytics to develop research outputs with potential for operational application. A short description of the 4 RCD projects implemented during RP5 is provided below, with further details available in **D7.10 Research Capacity Demonstration Report.**

4.3.1 Flood Risk Assessment toward Disaster Risk Reduction (Phase II)

The Flood Risk Assessment toward Disaster Risk Reduction (Phase II) demonstration project focused on strengthening the capacity of ECoE to apply advanced research enablers to flood risk assessment and disaster risk reduction. The project was implemented in collaboration with NOA's **Operational Unit BEYOND**, combining existing datasets with new observational capabilities, advanced modelling methodologies, and stakeholder-oriented decision-support tools. The project also incorporated knowledge transfer through secondments and training activities between ECoE and NOA.

Table 14: Staff participation in the Flood Risk Assessment (Phase II) RCD

Participant	Organization
Dr. Constantinos F. Panagiotou	ECoE
Dr. Christodoulos Mettas	ECoE
Dr. Marios Tzouvaras	ECoE
Dr. Evagoras Evagorou	ECoE
Mrs. Josefina Kountouri	ECoE
Mrs. Spyroulla Georgiou	ECoE
Dr. Alexia TSOUNI	NOA
Mrs. Stavroula SIGOUROU	NOA
Mrs. Vassiliki PAGANA	NOA

The **Garyllis watershed** in Cyprus was selected as the study area following consultations with the Water Development Department and municipalities in the Limassol District. The area represents one of the Areas of Potential Significant Flood Risk identified by the Water Development Department and provides an appropriate setting for assessing flood impacts across both rural and urban environments.

The project combined remote sensing, GIS and the existing HEC-RAS hydraulic model to assess multiple flood scenarios. Hydraulic simulations were performed for different return periods and soil-moisture conditions, while the resulting hazard maps were validated against datasets provided by the Water Development Department. The outputs were further prepared in standardised, geoportal-ready formats to facilitate integration into existing platforms and potential operational use. The project also supported the identification and assessment of refuge areas and evacuation routes and included stakeholder engagement through a dedicated workshop involving relevant public authorities and municipalities.

The project achieved its defined KPIs, including scientific publications, knowledge-transfer activities, participation of ECoE researchers, involvement of PhD students, partnerships with public authorities, development of scientific products and processing methodologies, and dissemination activities. In particular, **three publications**, **two training activities**, participation of **28 ECoE staff members** in

training sessions, participation of **two PhD students** in the RCD activities, and partnership with **two public authorities** were achieved.

4.3.2 Development of the National Next-Day Wildfire Risk Prediction AI Model for Cyprus

The second phase of the FIRES RCD project focused on developing a national next-day wildfire risk prediction AI model for Cyprus, building on the multimodal dataset and research capacity established during the first phase. The project applied state-of-the-art machine learning and deep learning methodologies to develop predictive models capable of supporting wildfire risk assessment and early-warning applications.

Table 15: Staff participation in the "Development of the national next-day wildfire prediction AI model for Cyprus" RCD

Participant	Organization
Mrs. Maria Prodromou	ECoE
Dr. Marios Tzouvaras	ECoE
Dr. Christodoulos Mettas	ECoE
Mr. George Leventis	ECoE
Mr. Panagiotis Vasiliou	ECoE
Mrs. Stella Girtsou	NOA
Mrs. Mariza Kaskara	NOA
Mr. Alexis Apostolakis	NOA

The machine-learning component included exploratory data analysis, feature correlation assessment, data preprocessing, class-imbalance management, and the development and evaluation of ensemble models, including **Random Forest and Extra Trees**. Model performance was assessed using accuracy, precision, recall and F1-score through cross-validation.

In parallel, a deep-learning workflow was developed for pixel-level fire detection and classification. The semantic segmentation approach distinguished three classes, namely land, no-fire, and fire, and incorporated data preprocessing, spatial tiling, dataset configuration, training and validation procedures, and class-weighted loss functions to improve the detection of fire-affected pixels. The resulting workflow provides a basis for scalable and potentially operational wildfire-risk applications.

Knowledge transfer was further supported through a short-term visit by **Ms. Maria Prodromou to NOA** between **11–13 November 2024**, focusing on traditional machine-learning workflows, server environment preparation, data preprocessing, hyperparameter tuning, model validation, and hands-on wildfire risk prediction.

The project achieved its main KPIs, including **three scientific publications**, **two knowledge-transfer activities**, participation of **6 ECoE researchers**, collaboration with the **Forest Department of the Republic of Cyprus**, development of **four processing chains/methodologies**, and participation in **two dissemination events.**

4.3.3 Aerosol and Cloud Observation

The Aerosol and Cloud Observation RCD project was implemented in collaboration with **TROPOS** as a follow-up to the establishment and operation of the Ground-Based Station (GBS) in Limassol, forming part of the Cyprus Atmospheric Remote Sensing Observatory (CARO) national facility. The project aimed to demonstrate the capacity of CARO to conduct continuous atmospheric observations, monitor complex atmospheric processes, generate aerosol and cloud products, and integrate its data flow into European research infrastructures, including **ACTRIS, EARLINET and CLOUDNET**.

Table 16: Staff participation in the Aerosol and Cloud Observations RCD.

Participant	Organization
Rodanthi-Elisavet Mamouri	ECoE
Argyro Nisantzi	ECoE
Constantinos Chrysostomou	ECoE
Giorgos Kotsias	ECoE
Maria Poutli	ECoE
Albert Ansmann	TROPOS
Patric Seifert	TROPOS
Holger Baars	TROPOS
Andi Klamt	TROPOS

A major achievement was the consolidation of an operational GBS data-processing framework covering automated data ingestion, Level 1 and Level 2 processing, quality control, flagging, structured archiving, and metadata documentation. A local **Cloudnet processing chain** was also deployed on the ECoE virtual machine, integrating cloud radar, PollyXT lidar, microwave radiometer and numerical weather prediction data. The resulting products are processed according to ACTRIS protocols and submitted hourly to the ACTRIS Data Centre.

The project further advanced the integration of CARO into European atmospheric research infrastructures through the initiation of the **ACTRIS labelling procedure**, which officially commenced following CARO's Initial Acceptance on 23 January 2026. Advanced local processing chains based on **HaloTools and Picasso** were implemented for Doppler wind lidar and PollyXT lidar observations, while an atmospheric data cube was developed using a pyLARDA-based environment to integrate multi-instrument observations and facilitate rapid visualisation, statistical analysis and event-based extraction.

The demonstration also generated important scientific outputs, including atmospheric climatologies, analyses of extreme atmospheric events and aerosol–cloud interactions, and contributions to **EarthCARE calibration and validation activities**. CARO has participated in EarthCARE validation activities involving ATLID aerosol products, cloud and precipitation observations, and complex "golden cases" including Saharan and Middle Eastern dust, mixed aerosol layers, cirrus clouds and wildfire smoke.

Overall, the project significantly strengthened the scientific, operational and strategic capacity of CARO. The facility now supports automated atmospheric data processing, European research-infrastructure integration, long-term environmental monitoring, EarthCARE validation, and future

transnational scientific collaboration. The project achieved its main KPIs, including **two scientific publications**, **two participations in international conferences, two knowledge-transfer activities**, participation of **6 ECoE researchers**, participation of 3 PhD students, development of **three processing chains/methodologies**, and **two proposals submitted.**

4.3.4 Citrus Tree Classification in Urban Areas and Mixed Orchards with Remote Sensing

The **Citrus Tree Classification in Urban Areas and Mixed Orchards with Remote Sensing** project constitutes an ongoing demonstration activity that will be concluded during the fourth and final RCD cycle. The project aims to develop and test a remote-sensing workflow for identifying and classifying citrus trees in urban areas and mixed orchards in Cyprus by combining field observations, satellite imagery and machine-learning methods. Particular attention is given to supporting monitoring related to the Asiatic citrus psyllid and the potential spread of citrus greening disease.

The project has already progressed through stakeholder consultation, field-data collection, technical training and preliminary model development. An initial technical training session delivered by NOA in May 2026 focused on tree-crown detection, multi-source data fusion, soil-moisture analysis and weed-management classification. Preliminary research was also presented at **RSCy2026**, while an initial Sentinel-2 classification experiment achieved approximately **84% overall accuracy** using a dataset of 2,118 labelled examples covering citrus, olive and vineyard classes.

The next stage will focus on expanding and balancing the training dataset, integrating very-high-resolution commercial satellite imagery for individual-tree detection, refining validation procedures, and testing a two-scale approach combining crown detection with multispectral classification. The project is expected to conclude during Cycle 4, with the final results potentially supporting a journal publication and stakeholder dissemination activity.

4.4 Research institute networks

No.	Key Performance Indicator (KPI)	Metric	Target	RP1-RP4	RP5	Cumulative	Achievement Status
P03	Participation to Research and Infrastructure Networks, Technological Platforms and Clusters with focus on Space Technologies and EO	Number of research institute networks that ECoE participates in	6	14	4	18	300%

ECoE's collaboration with the networks, platforms and clusters joined in previous RPs continued throughout RP5. CARO continued to deepen its operational and scientific participation in established atmospheric networks and infrastructures, particularly ACTRIS, EARLINET/PollyNET, Cloudnet and AERONET. This engagement supported harmonised data processing, quality assurance, access to specialist expertise and the international use of CARO observations. In addition, ECoE joined 4 additional networks during RP5:

- **Santiago Network**, as a member.

The Santiago Network (https://santiago-network.org/), established in 2019 and co-hosted by the United Nations Office for Disaster Risk Reduction (UNDRR) and the United Nations Office for Project Services (UNOPS), is a global network that connects developing countries and communities with tailored, context-specific technical assistance on loss and damage for them to shape and lead action that reflects their priorities and realities. It catalyses expertise, facilitating practical solutions for managing climate risks at local, national, and regional levels.

This is a milestone for ECoE, placing the Centre in the forefront of providing knowledge and services in the Eastern Mediterranean, Middle East and North Africa (EMMENA) region, as it proves the expertise of the organisation and its capabilities to offer valuable and timely information to communities and stakeholders covering the entire disaster management cycle, i.e., preparation, response, recovery, and mitigation, against various environmental hazards, such as earthquakes, landslides, coastal/soil erosion, forest fires, floods, drought and epidemics.

- **Baseline Surface Radiation Network** (BSRN), as a candidate BSRN station.

Following ECoE's application to become a BSRN station (https://bsrn.awi.de/) the Centre took part in the 19th BSRN Scientific Review and Workshop and presented the **Limassol Solar Radiation Monitoring Station**, providing an overview of its instrumentation, operational procedures, measurement protocols, and quality assurance practices to the international BSRN community. The presentation highlighted the station's commitment to delivering high-quality solar radiation observations and its contribution to climate and atmospheric research. Following the evaluation process, BSRN members voted to accept the Limassol station as a **candidate BSRN station**, representing a significant achievement for ECoE and reinforcing its international presence in solar radiation monitoring and atmospheric research.

- **Working Group on Disasters** (WGDisasters) of the **Committee on Earth Observation Satellites** (CEOS)

The WGDisasters (https://ceos.org/ourwork/workinggroups/disasters) of CEOS (https://ceos.org/) coordinates space-based Earth observation data to support disaster risk reduction, emergency response, and recovery globally. ECoE will initially participate in in two of the working group's pilots (landslides, drought).

Within the framework of collaboration, Dr. Marios Tzouvaras was invited to participate in the WGDisasters-26 meeting held in Rome between 14/9-18/9 and present ECoE's work. In addition, he was invited to present the NADIRISK project during the ASI – CEOS WGD International Workshop on "Earth Observation for Disaster Risk Management" (https://www.asi.it/en/event/asi-ceos-wgd-international-workshop-on-earth-observation-for-disaster-risk-management/) organized by the Italian Space Agency (ASI) on 16/9.

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 17: Pictures from ECoE's participation in the WGDisasters-26 meeting (top) and the ASI – CEOS WGD International Workshop (bottom)

- **Women in Aerospace Europe (WIA-Europe),** as a **Bronze Corporate Member**.

The Centre's membership was officially formalised during the **Greek Space Tech Forum 2026**, held at the **Athens Conservatoire**. On 8 July 2026, **Prof. Diofantos Hadjimitsis** formalised the Centre's membership alongside **Dr Christina Giannopapa**, President of Women in Aerospace Europe (WIA-Europe; https://www.wia-europe.org/). **Dr Christiana Papoutsa**, Coordinator of the Environment and Climate Department, will serve as the Centre's contact point.

WIA-Europe is a non-profit organisation dedicated to strengthening the role of women and promoting diversity, inclusion and equal opportunities across the aerospace and space sectors throughout Europe. By joining the WIA-Europe community, ECoE reaffirms its commitment to fostering an inclusive environment where everyone has equal opportunities to grow, collaborate and contribute to the advancement of the European space community.

4.5 Calibration/ Validation capacities – Monitoring networks

No.	Key Performance Indicator (KPI)	Metric	Target	RP1-RP4	RP5	Cumulative	Achievement Status
P04	Establish and operate a Calibration and Validation site for satellite data at the ECoE	Number of associations with calibration and validation activities/networks	2	6	0	6	300.00%

During RP5, **CARO** progressed beyond infrastructure establishment towards **full scientific and operational exploitation**. The facility maintained continuous multi-instrument observations of

aerosols, clouds, winds, radiation, precipitation and atmospheric thermodynamic properties. The resulting long-term datasets include PollyXT lidar observations since 2020, complemented by cloud radar, microwave radiometer, Doppler wind lidar, ceilometer, sun-photometer and radiation measurements. These observations supported the development of the **first comprehensive ground-based cloud climatology for Cyprus**, as well as **multi-year analyses** of seasonal wind patterns and boundary-layer circulation over Limassol.

CARO also strengthened its role in satellite calibration and validation by operating as an **ESA–JAXA EarthCARE Cal/Val site** in the Eastern Mediterranean. During RP5, the team supported validation activities for ATLID, CPR and synergistic EarthCARE products and developed automated workflows for satellite–ground collocation and comparison. In parallel, CARO strengthened its **integration with ACTRIS, EARLINET/PollyNET, Cloudnet and AERONET** and expanded the **CARO Data Portal** and **Atmospheric Data Cube** by combining ground-based observations with EarthCARE, MTG, AERONET, MONARCH, CAMS and GRASP products. These developments provide a basis for near-real-time atmospheric products and for CARO's continued development as an ACTRIS-aligned regional atmospheric research and observation facility.

During RP5, ECoE continued to serve as the national contact point for Copernicus Atmospheric Monitoring Service (CAMS) for Cyprus. An important achievement during RP5 was the successful **award of a new three-year CAMS National Collaboration Programme contract** to ECoE. Under the project "2025/CAMS2_72CY_bis_ECoE – CAMS National Collaboration Programme – Cyprus bis", which officially commenced on 1 February 2026, ECoE continued its role as the national focal point for CAMS in Cyprus, further supporting the uptake and use of CAMS products and services at national level. Building upon the advanced capabilities of CARO and the Centre's participation in international research infrastructures, the project continued to promote the integration of atmospheric monitoring, forecasting and environmental information services into national frameworks, while strengthening collaboration with key stakeholders and public authorities.

The continued provision of high-quality atmospheric observations, the progress towards ACTRIS labelling, and the successful acquisition of follow-on CAMS funding further demonstrate the growing scientific excellence, operational maturity and long-term sustainability of ECoE's atmospheric research activities.

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.

4.6 Employment of researchers, and administrative and technical staff

No.	Key Performance Indicator (KPI)	Metric	Target	RP1-RP4	RP5	Cumulative	Achievement Status
P05a	Strengthen the critical mass of researchers by offering a dynamic environment for basic and applied research in EO	Number of researchers employed	**80**	91	72	**72**	**90%**
S01	Provision of new job opportunities for highly educated researchers/ scientists and highly skilled technical staff in Cyprus	The number of research and technical staff that are employed at the ECoE.	**90**	103	101	101	**112%**
S02	Provision of new job opportunities for highly educated researchers/scientists and skilled technical staff in Cyprus to people from abroad	Percentage of the research and technical staff attracted from abroad	**15-25%**	14.43%	36%	36%	**Achieved**

During RP5, ECoE continued to strengthen its recruitment strategy by enhancing the visibility of its employment opportunities through a wide range of national and international dissemination channels. Job vacancies were promoted through participation in career fairs, career portals (i.e. Ergodotisi and Carierista), the ECoE website[1], EURAXESS, the Cyprus Labour Office portal, EURES, collaborations with six university liaison offices in Greece, local newspapers, and social media platforms including Facebook and LinkedIn. This multi-channel approach significantly broadened the Centre's outreach and supported the attraction of highly qualified candidates from Cyprus and abroad. ECoE also participated in the "Minds in Cyprus" initiative as part of its broader efforts to increase the international visibility of employment opportunities and attract highly qualified researchers and professionals from abroad.

Throughout RP5, ECoE 46 new staff joined ECoE. The successful appointments included 30 research/scientific staff, 1 technical staff, 14 administrative personnel and the transfer of one researcher from CUT.

By the end of RP5, ECoE employed a total of 101 personnel, out of which 72 are researchers. Consequently, KPI **S01** has been fully achieved and exceeded, while KPI **P05a** is on track, thereby

[1] ERATOSTHENES CoE open positions: https://eratosthenes.org.cy/open-positions/

demonstrating the successful establishment of a strong and sustainable research workforce capable of supporting the Centre's scientific, innovation, and operational activities. At the end of RP5, ECoE's workforce consisted of 65 males (64%) and 36 females (36%), demonstrating the Centre's continued commitment to maintaining a balanced and diverse workforce while supporting its ongoing organisational growth.

ECoE also maintained a strong international recruitment profile during RP5. A total of 43% of newly recruited personnel were attracted from abroad, including candidates from Greece, Germany, Pakistan, India, United Kingdom, Morocco, Tunisia, and Egypt. Overall, foreign nationals represent 36% of the Centre's total workforce, surpassing the initial target defined for KPI **S02** and demonstrating ECoE's success in attracting international expertise and fostering a multicultural research environment.

In addition, during RP5, significant emphasis was placed on strengthening the organization's HR governance and performance management structures through the implementation of the recommendations arising through the HR consultation process that started during RP4. Following the initial phase of the Comprehensive HR Strategy implementation in RP4, the key findings and recommendations were formally presented to ECoE's management team in April 2025. Subsequently, a second implementation phase commenced in June 2025, focusing on the development of updated HR Frameworks, including job descriptions, a structured Career Framework, a revised Performance Review and Development Framework, and a Reward and Recognition Framework. These initiatives aim to establish a more transparent, structured, and evidence-based approach to employee development, performance management, career progression, and employee engagement across the organization. The approval of the frameworks by the Executive Committee and Board of Directors in RP5 constituted a major step forward for the Centre, providing the foundations for a modern and integrated HR management system, aligned with international good practices and the principles of the HR Excellence in Research award. Further details on personnel recruitment, as well as the updated HR Frameworks, are available in **D4.8 Recruitment Strategy, Action Plan and Personnel Contracts (Update 4).**

4.7 Memoranda of Understanding

No.	Key Performance Indicator (KPI)	Metric	Target	RP1-RP4	RP5	Cumulative	Achievement Status
P06a	Strengthen the relationship with national stakeholders through specific agreements in EO domain	Number of MoU signed with various local/national public and private organisations	30	56	20	**76**	**253%**
P06b	Strengthen the relationship with international stakeholders through specific agreements in EO domain	Number of MoU signed with various international public and private organisations	9	26	20	**46**	**511%**

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.

During RP5, ECoE continued to strengthen and expand its network of strategic partnerships through the signing of new Memoranda of Understanding (MoUs) and collaboration agreements with academic institutions, research centres, governmental organisations, international institutions, industry associations, chambers of commerce, and private-sector entities. These activities were undertaken within the framework of the ECoE Digital Innovation Hub (DIH) and aimed to support research excellence, innovation, entrepreneurship, education, stakeholder engagement, and long-term sustainability.

By the end of RP5, ECoE had established a network of 122 active MoUs, including **40 new agreements signed during RP5**, **20 of which were signed with local/national public and private organisations**, while **20 with international organizations**, significantly expanding ECoE's geographical and organisational reach beyond Cyprus. The portfolio of agreements spans partners from Europe, the EMMENA region, international organisations, universities, research centres, governmental bodies, municipalities, industry associations, and SMEs, providing a broad ecosystem for collaboration and knowledge exchange.

The MoUs support several strategic objectives of the Centre, including research collaboration, proposal development, technology transfer, stakeholder engagement, commercialisation of services and products, education and training activities, and the strengthening of ECoE's regional and international visibility. During RP5, particular emphasis was placed on establishing partnerships that could support the Centre's sustainability objectives, facilitate access to new markets, strengthen engagement with public authorities, and enhance opportunities for innovation and entrepreneurial activities.

The growing network of MoUs and strategic collaborations continues to serve as an important enabler for ECoE's long-term sustainability, facilitating access to complementary expertise, research infrastructures, business opportunities, educational activities, and innovation ecosystems across Cyprus, Europe, and the wider EMMENA region. Detailed analysis, as well as the full inventory of the signed MoUs, are available in **D8.2 MOU and agreements for the ECoE Digital Innovation Hub (update 1)**.[2]

4.8 Professional skills development programs

No.	Key Performance Indicator (KPI)	Metric	Target	RP1-RP4	RP5	Cumulative	Achievement Status
P07	Maintain and enhance the capacity of training in EO to new users including those from non-EU and developing countries	Number of external participants in professional skills development programs offered by the ECoE	60	17	58	**75**	**125%**

The Technical Skills Development Centre continued to play a central role in strengthening EO capacity and promoting the transfer of scientific and technical knowledge to both internal and external

[2] Since the submission of D8.2 MOU and agreements for the ECoE Digital Innovation Hub (update 1) on 31 July 2026, an additional MoU with the Hungarian National Museum has been signed.

stakeholders. In line with the objectives of the EXCELSIOR project, the Centre implemented a continuous programme of technical trainings, workshops, seminars, webinars, and specialised courses designed to maintain and enhance competencies in EO, Remote Sensing, Geoinformatics, Artificial Intelligence, environmental monitoring, climate services, and related disciplines. These activities were delivered through collaborations with the EXCELSIOR strategic partners (DLR, NOA, TROPOS, and PMOD/WRC), as well as leading international experts, research institutions, and organisations active in the EO and space sectors.

In particular, during RP5, ECoE organised a series of seminars by invited experts, bringing together researchers and professionals from academia, research organisations, governmental authorities, and industry, as shown in Table 17. These seminars provided ECoE personnel with opportunities to engage with emerging scientific developments, innovative methodologies, technological advances, and policy initiatives across the Centre's research domains, while also fostering interdisciplinary collaboration and expanding international scientific networks.

The professional development programme addressed a wide range of thematic areas relevant to ECoE's activities, state-of-the-art methodologies, advanced analytical techniques, innovative software tools, EO data exploitation, machine learning applications, environmental modelling, and emerging technologies. In parallel, the programme supported the development of transversal competencies and promoted knowledge exchange, interdisciplinary collaboration, and the continuous professional development of ECoE's personnel.

Table 17: Seminars by Invited Experts organized during RP5

No.	Topic	Date	Invited Expert	Organisation	No. of participants	No. of external participants
1	Transportation Systems	11/06/2025	Dr. Paraskevas Nikolaou	Cyprus University of Technology	30	2
2	Newspace in Germany: Success Stories, Emerging Trends and International Collaboration	23/09/2025	Thorsten Rudolph	ESA BIC Bavaria & CEO of AZO-Space of Innovation	37	3
3	Workshop on Writing for Nature Publications	19/02/2026	Prof. F.A. (Phil) Aravanopoulos	Aristotle University of Thessaloniki	44	1
4	Radiation detectors for science and applications	03/08/2026	Dr. Philippos Papadakis	STFC Daresbury Laboratory	32	2
						8

4.8.1 Professional Training Programmes through HRDA

As a key component of its professional skills development portfolio, ECoE further strengthened its role as a provider of specialised vocational and professional training through the delivery of programmes accredited by the Human Resource Development Authority of Cyprus (HRDA). These programmes complemented the broader technical training and seminar activities of the Technical Skills Development Centre, extending ECoE's expertise to external professionals, organisations, and public-sector stakeholders.

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.

The programmes were designed to respond to identified skills needs in emerging technologies, digital innovation, EO, data analytics, artificial intelligence, construction technologies, and research project management, while extending the Centre's expertise and knowledge beyond its internal research community. The programmes targeted researchers, engineers, industry professionals, and public-sector stakeholders, and provided participants with practical, applied knowledge that can be directly transferred to their professional activities. The training offer was also designed to be adaptable to the specific needs of companies and organisations.

During RP5, five professional training programmes were offered:

i. **"Introduction to Data Analysis & Machine Learning for Professionals"** provided participants with practical knowledge of data analysis and machine-learning techniques for professional applications.
ii. **"Management of EU-Funded Projects"** focused on the principles and practical aspects of managing projects supported by European funding programmes.
iii. **"Use and Applications of Artificial Intelligence in the Construction Sector"** addressed the use and application of Artificial Intelligence within the construction sector.
iv. **"3D Surveying and Parametric Design in the Construction Sector"** focused on 3D capturing and parametric design methodologies for construction applications.
v. **"Techno-Economic Analysis (TEA): Essentials for a Global Digital, Green & Net-Zero Innovation"** provided participants with knowledge and practical tools for assessing the techno-economic feasibility of digital, green, and net-zero innovations.

The programmes were delivered between April and July 2026 through in-person and/or online formats, as shown in according to the requirements of each programme.

The implementation of these programmes expanded ECoE's capacity-building activities beyond internal staff development, and created a structured mechanism for transferring the Centre's scientific and technical expertise to external professionals and organisations. In this way, the training programme contributed not only to professional skills development but also to stakeholder engagement, knowledge dissemination, and the wider societal and economic uptake of EO, digital, and emerging technologies.

Looking ahead to the next reporting period, the ECoE plans to offer two additional professional training programmes through the HRDA framework (i. Scan to BIM and ii. Research Methods), further expanding its training portfolio, and responding to emerging skills needs among professionals and stakeholders.

Table 18: HRDA-accredited professional training programmes offered by ECoE during RP5

Title	Date	Trainer	No. of training hours	Delivery Mode	No. of ECoE participants	No. of external participants
Introduction to Data Analysis & Machine Learning for Professionals	07/04, 21/04 & 05/05/2026	Dr. Charalambos Chrysostomou	12	Online	1	13
Management of EU-Funded Projects	19/05/2026	Dr. Georgios Christodoulou	7	Online	7	13

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.

Title	Date	Trainer	No. of training hours	Delivery Mode	No. of ECoE participants	No. of external participants
Use and Applications of Artificial Intelligence in the Construction Sector	28/05 & 04/06/2026	Christodoulos Demetriou	8	Online	1	8
3D Surveying and Parametric Design in the Construction Sector	09, 16 & 23/06/2026	Panayiotis Panayiotou	12	Hybrid	1	8
Techno-Economic Analysis (TEA): Essentials for a Global Digital, Green & Net-Zero Innovation	30/06 & 13/07/2026	Andreas Andreou	12	Online	1	8
					11	**50**

4.9 Collaborating networks/institutions

No.	Key Performance Indicator (KPI)	Metric	Target	RP1-RP4	RP5	Cumulative	Achievement Status
P08	Provision of advanced observing platforms and calibration/ validation facilities to Trans-national Access to the benefit of a large user community	Number of collaborating networks/ institutions that access the ECoE's data for implementation of scientific projects/field campaigns and common scientific research agenda	2	1	4	5	250%

During RP5, ECoE has provided access to its data to 4 networks/institutions. More specifically, ECoE provides data to the Copernicus Atmospheric Monitoring Service (CAMS) through the in-house research instruments that are available. CARO data and products were also increasingly integrated into international atmospheric research and satellite-validation workflows. Through cooperation with ACTRIS, EARLINET/PollyNET, Cloudnet, AERONET and the EarthCARE Cal/Val community, ECoE contributed quality-controlled ground-based observations to collaborative research, data-processing and validation activities. This expanded use demonstrates that CARO is progressing from a nationally operated facility towards an internationally connected atmospheric observation hub. ECoE has also provided data to the Cyprus Meteorological Service as well as Phassouri Plantations through its established collaboration with both organizations.

4.10 Postgraduate students

No.	Key Performance Indicator (KPI)	Metric	Target	RP1-RP4	RP5	Cumulative	Achievement Status
P09a	Development of one innovative MSc programme (conventional and distance learning) and one innovative PhD programme in the wider area of EO	Number of MSc and PhD students registered annually at CUT, carrying out research at the ECoE	100	140	7	**147**	147%

P09b	Attract MSc and PhD students from abroad	Percentage of MSc and PhD students from abroad	**15-20%**	11% average	40%	**17% average**	**Achieved**

4.10.1 PhD in Civil Engineering and Geomatics

Enrolment in the PhD programme in Civil Engineering and Geomatics[3] continues to grow steadily, with new doctoral candidates joining each year. The programme currently has a total of 21 registered PhD students, 7 of which were registered during RP5, reflecting its continued attractiveness and ECoE's increasing research capacity. Table 19 presents the PhD candidates currently enrolled in the programme and who are directly affiliated with ECoE.

In addition, during RP5, five PhD candidates successfully completed their doctoral studies and were awarded their PhD degrees, marking another significant milestone in the Centre's educational and research mission. The graduates were Dr. Christos Theocharidis, Dr. Stelios Neophytides, Dr. Kyriaki Fotiou, Dr. Maria Prodromou, and Dr. Eleni Loulli, whose successful completion of their studies further demonstrates the quality of doctoral supervision and the strength of the Centre's research environment.

An important development during RP5 was the establishment of the **ECoE Doctoral Colloquium**, with the first edition held in May 2026. Designed as an annual institutional initiative, the Colloquium provides PhD candidates with a structured platform to present their research, receive feedback from senior researchers and external experts, and strengthen interdisciplinary interaction across ECoE's thematic areas. The initiative further enhances the doctoral research environment and complements the Centre's broader efforts to strengthen mentoring, supervision and early-career researcher development. Further details are available in **D3.5 Report on the research & education strategic plan.**

Table 19: PhD registrations during RP5

No.	PhD Title	Gender	Status	PhD supervisor
1	Development of a Spatial Agent-Based Model for the Simulation of Maritime Mobility in the Prehistoric Eastern Mediterranean	M	Ongoing	Diofantos Hadjimitsis
2	Earth Observation and Remote Sensing (Monitoring the Earth and the Environment using space-based techniques)	M	Ongoing	Diofantos Hadjimitsis
3	Image Spectroscopy for Seagrass and the Coastal Environments-Excelsior Teaming	F	Ongoing	Diofantos Hadjimitsis
4	An integrated multidisciplinary approach using Earth observations, GIS, and hydraulic modelling for flood risk assessment in a watershed in Cyprus	F	Ongoing	Diofantos Hadjimitsis
5	Combined use of Earth Observation techniques, Geographic Information Systems, and Artificial Intelligence for the assessment of erosion along the coasts of Cyprus."	M	Ongoing	Diofantos Hadjimitsis
6	Detection of oil spills in the Eastern Mediterranean using SAR	F	Ongoing	Diofantos Hadjimitsis

[3] New PhD positions announced by the Department of Civil Engineering and Geomatcis are available at: https://www.cut.ac.cy/studies/phd/PhD+vacant+positions/Civil+Engineering+and+Geomatics/.

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.

No.	PhD Title	Gender	Status	PhD supervisor
7	Aerosol Radiative Effects & Solar Irradiance Variability in Cyprus	F	Ongoing	Diofantos Hadjimitsis
8	How does smoke influence the climate	F	Ongoing	Diofantos Hadjimitsis
9	Detection of biotic and abiotic stresses in citrus crops using satellite remote sensing techniques.	F	Ongoing	Diofantos Hadjimitsis
10	Community-Driven and Data-Based Land Use Strategies for Climate Resilience and Services Enhancement in the Larnaca District	M	Ongoing	Diofantos Hadjimitsis
11	Investigating the cooling efficiency of Drought-Tolerant vegetation as a Nature Based Solution (NBS) for urban heat resilience: The case study of Paphos, Cyprus	M	Ongoing	Diofantos Hadjimitsis
12	Salinity impact on the physiological parameters of citrus orchards irrigated with treated wastewater, using both ground and satellite observations	F	Ongoing	Diofantos Hadjimitsis
13	Study of the Atmosphere and Atmospheric Remote Sensing	F	Ongoing	Diofantos Hadjimitsis
14	Integrated Characterization of Particulate Matter: Synergistic Remote Sensing Approaches, Methodological Frameworks, and Algorithmic Models	F	Ongoing	Diofantos Hadjimitsis
15	Resilient societies (disaster risk reduction, cultural heritage, maritime safety)	F	Ongoing	Diofantos Hadjimitsis
16	Study of the Atmosphere and Atmospheric Remote Sensing	M	Ongoing	Diofantos Hadjimitsis
17	Earth Observation, Remote Sensing, and Geoinformatics.	M	Ongoing	Diofantos Hadjimitsis
18	Study of the Atmosphere / Atmospheric Remote Sensing	F	Ongoing	Diofantos Hadjimitsis
19	Remote sensing, AI and process-based modelling for soil health, productivity and regenerative agriculture	F	Ongoing	Diofantos Hadjimitsis
20	Earth Observation, Remote Sensing, and Geoinformatics	M	Ongoing	Diofantos Hadjimitsis
21	Earth Observation, Remote Sensing, and Geoinformatics	M	Ongoing	Diofantos Hadjimitsis

4.10.2 MSc in Geoinformatics and Earth Observation

All students who were enrolled in the MSc programme in Geoinformatics and Earth Observation from the Spring 2023 semester have successfully completed their studies and graduated. The MSc programme was not implemented during the 2025-2026 academic year but will resume for the upcoming 2026-2027 academic year, which is expected to commence in September 2026. The department's selection process is still ongoing and has not yet been finalised, but 12 students have already been accepted.

The MSc programme continues to be jointly delivered by academic staff from CUT and researchers from the ECoE, ensuring a high level of academic quality and scientific expertise. Several distinguished academics and researchers from ECoE serve as module coordinators, contributing their specialized knowledge across the curriculum, including Prof. Diofantos Hadjimitsis, Dr. Kyriacos Themistocleous, Dr. Rodanthi-Elisavet Mamouri, Dr. Christiana Papoutsa, Dr. Marios Tzouvaras, and Dr. Christodoulos Mettas. Their continued involvement strengthens the strategic collaboration between CUT and ECoE,

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.

while fostering an interdisciplinary educational environment that effectively integrates cutting-edge research with practical applications in geoinformatics and Earth observation.

4.11 Research project proposals, services, and product applications

4.11.1 Research project proposals

No.	Key Performance Indicator (KPI)	Metric	Target	RP1-RP4	RP5	Cumulative	Achievement Status
P05b	Attract European Research Council and Marie Curie grants as hosting Centre	Number of Researchers (MSC Fellows, ERC, etc.) hosted at ECoE	MSC=12 ERC=1	0	0	0	0%
P10a	Research project proposals submitted for funding through participation as partner or coordinator	Number of research project proposals submitted for funding	185	232	171	403	218%
P10b	Success rate for the submission of research project proposals	Number of successful research project proposals submitted for funding	26	43	26	69	265%
P10c	Funding secured from the development of research project proposals	The total amount of funds received from the successful submission of research project proposals	€ 13M	€ 12.74M	€ 6.08M	€ 18.82M	145%
P10d	Research project proposals for funding, jointly submitted with	Number of research project proposals for funding, jointly submitted with EXCELSIOR partners	26	26	14	40	154%

	EXCELSIOR partners						
S06	Capitalisation on existing and new partnerships with stakeholders from public authorities in the domain of EO technologies	Number of stakeholders from public authorities that participated in successfully funded research proposals/tenders together with the ECoE	**40**	125	15	140	**350%**
S07	Capitalisation on existing and new partnerships with stakeholders from industry in the domain of EO technologies	Number of stakeholders from industry that participated in successfully funded research proposals/tenders together with the ECoE	**50**	158	36	194	**388%**

Research funding continues to represent one of the main pillars supporting the scientific excellence, growth, and ECoE's long-term sustainability. During RP5, ECoE maintained its strong performance in competitive funding acquisition, further strengthening its position within the European and international research and innovation landscape.

By the end of RP5, ECoE had submitted a cumulative total of **403 research and innovation proposals (P10a)** across a wide range of national and international funding programmes, significantly exceeding the final project target of 185 proposals (Figure 19). **During RP5 alone, 171 proposals were submitted**, demonstrating the Centre's continued growth in proposal-generation capacity and increasing maturity (Table 20). This strong performance reflects the active engagement of ECoE researchers and support staff in identifying funding opportunities and developing competitive project concepts across all research departments. The list of proposals submitted during RP5 is available in Annex II.

As shown in Figure 19, the proposal portfolio covers a diverse range of funding programmes, including Horizon Europe, Research and Innovation Foundation (RIF) programmes, ESA, Interreg, Erasmus+, PRIMA, and other European initiatives. During RP5 (Table 20), Horizon Europe remained the largest source of proposal activity, followed by RIF, ESA, Erasmus+, and Interreg programmes. This diversity of funding sources contributes significantly to the Centre's resilience and sustainability by reducing dependence on any single funding mechanism.

A particularly strategic development during RP5 was ECoE's coordination and submission of a proposal under the HORIZON-WIDERA-2026-01-WIDENING-01 **Teaming Synergies call**, bringing together several other Teaming Centres of Excellence (TCoEs) and other expert organisations from across Europe (Figure 18). The proposal builds upon the institutional capacity and international networks

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.

developed through EXCELSIOR and seeks to establish stronger collaboration and strategic joint initiatives among all TCoEs in Europe, supporting their efforts towards long-term sustainability. ECoE's coordinating role in this proposal represents an important indication of its increasing maturity and leadership within the Widening and Teaming ecosystem, demonstrating a transition from receiving capacity-building support through EXCELSIOR, towards actively contributing to the strengthening of other European research excellence networks.



Figure 18: Logo of the proposal coordinated by ECoE and submitted to the HORIZON-WIDERA-2026-01-WIDENING-01 Teaming Synergies call

Equally important is the success achieved in converting proposal submissions into funded projects during RP5, an additional **26 projects** were selected for funding (including 2 from proposals submitted during RP4, whose results were announced in RP5), **11** of which (**42%**) as **Coordinator** (Table 20). This results to a cumulative proposal success rate of approximately **22%** across all submitted proposals since the start of EXCELSIOR, and around **25%** for RP5. In Horizon Europe, in particular, the Centre has consistently maintained a proposal success rate of approximately **22%** (Figure 19), which is higher than the overall programme success rate of around 14%, thereby demonstrating the high quality and competitiveness of its research and innovation activities. The funding secured through competitive projects reached **€6.08M in RP5** and a **total of €18.82 million** since the start of EXCELSIOR (**P10c**), significantly surpassing the initial target of **€13 million**. These results demonstrate ECoE's growing competitiveness and increasing credibility in major international collaborative projects.

The growing international recognition of ECoE not only as a scientific and technical partner, but also as a source of expertise in the establishment and development of sustainable research-performing organisations and Centres of Excellence, is illustrated by two recently funded projects. ECoE joined the €10.5 million **CIRCUIT Centre of Excellence in Dubai** as a **Strategic Partner**, contributing expertise in EO, Remote Sensing, AI and geospatial analysis. Its role will support the development of AI-enabled digital twins, climate and agricultural monitoring solutions, critical-infrastructure and supply-chain mapping, geospatial logistics, and autonomous monitoring systems for more resilient and sustainable cities. In parallel, ECoE participates in the recently funded **RIVER-EYE Twinning project** as **advanced partner**, contributing its experience in research management, institutional development and capacity building.

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.

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.

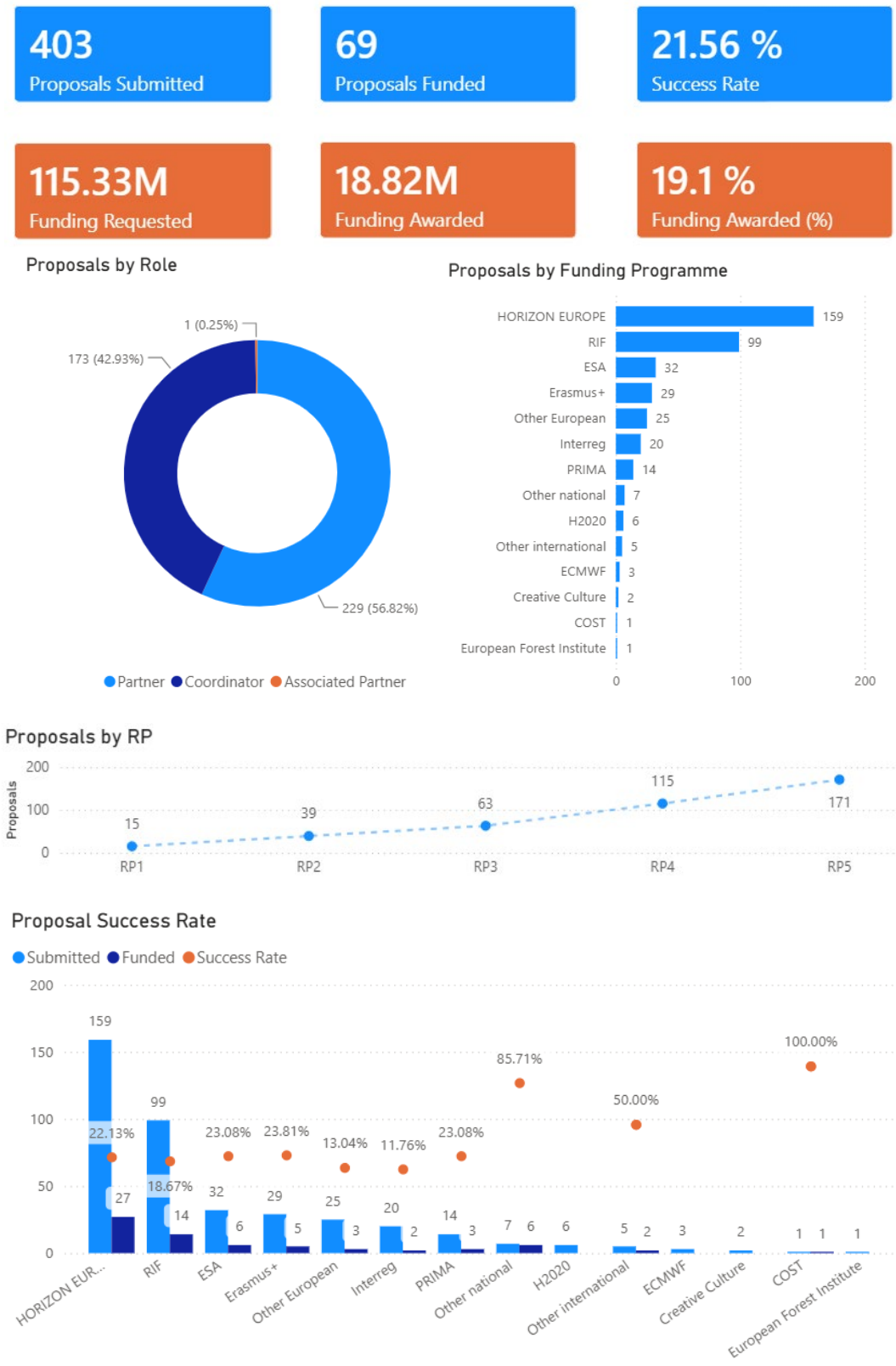


Figure 19: ECoE Proposals Dashboard since the start of EXCELSIOR

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.

Table 20: Proposals submitted and selected for funding during RP5 by funding programme

	Submitted			Selected for funding		
	Coordinator	**Partner**	**Total**	**Coordinator**	**Partner**	**Total**
Horizon Europe	18	68 (1 Associated Partner)	**86**	1	10 (1 Associated Partner) +1 from RP4	**12**
RIF	28	9	**37**	5	1	**6**
Erasmus+	4	10	**14**	1 from RP4	0	**1**
ESA	2	5	**7**	0	0	**0**
Interreg	2	4	**6**	0	1	**1**
Other European	3	2	**5**	2	0	**2**
Other international	2	3	**5**	1	1	**2**
PRIMA	1	3	**4**	1	0	**1**
ECMWF	2	1	**3**	0	0	**0**
Creative Culture	2	0	**2**	0	0	**0**
European Forest Institute	1	0	**1**	0	0	**0**
Other national	0	1	**1**	0	1	**0**
Total	**65**	**106**	**171**	**11**	**15**	**26**

The proposal activity is distributed across all three research departments of ECoE, highlighting the multidisciplinary nature of the Centre's research portfolio. The **Resilient Society Department** accounts for the largest share of proposal activity, followed closely by the **Environment and Climate Department**, with the **Big Earth Data Analytics Department** also making a substantial contribution. This distribution demonstrates the broad engagement of ECoE researchers in fundraising activities and reduces dependency on a small number of individuals.

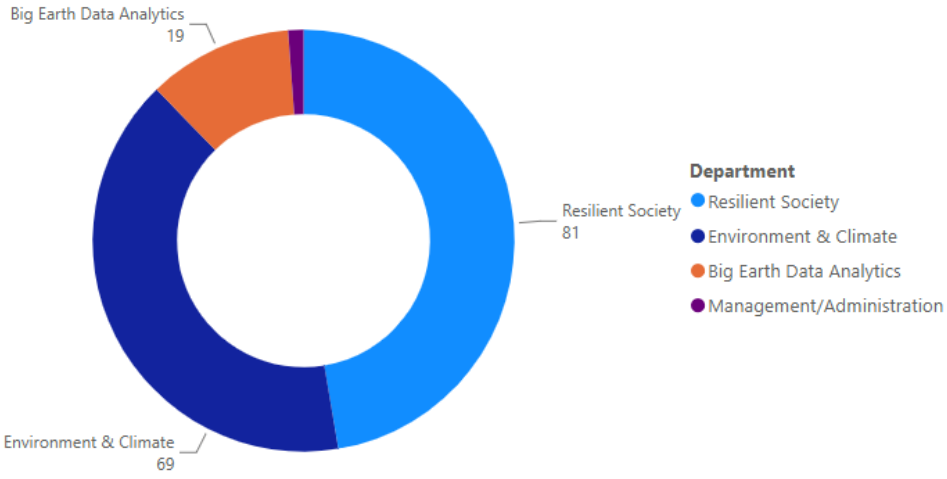


Figure 20: Number of proposals submitted in RP5 by Department

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.

An important indicator of the continued success of the EXCELSIOR knowledge-transfer model is the strong collaboration maintained with the Strategic Partners. By the end of RP5, **40 proposals had been submitted jointly with the EXCELSIOR partners** (**P10d**), significantly exceeding the initial target value. These collaborations continue to generate significant scientific benefits, while contributing to the internationalisation of ECoE and the development of long-term research partnerships.

The Centre also continued to strengthen stakeholder collaboration within funded projects. Out of the 26 proposals successfully funded during RP5, 22 involved partners, coming from **138 distinct organisations** and **30 countries**, highlighting the broad international reach of ECoE's research network. The strongest collaborations were established with organisations from Greece, Cyprus, France, Spain, and Italy. The most frequent collaborating organisations in successful proposals were NOA, the Aristotle University of Thessaloniki and the Agricultural University of Athens.

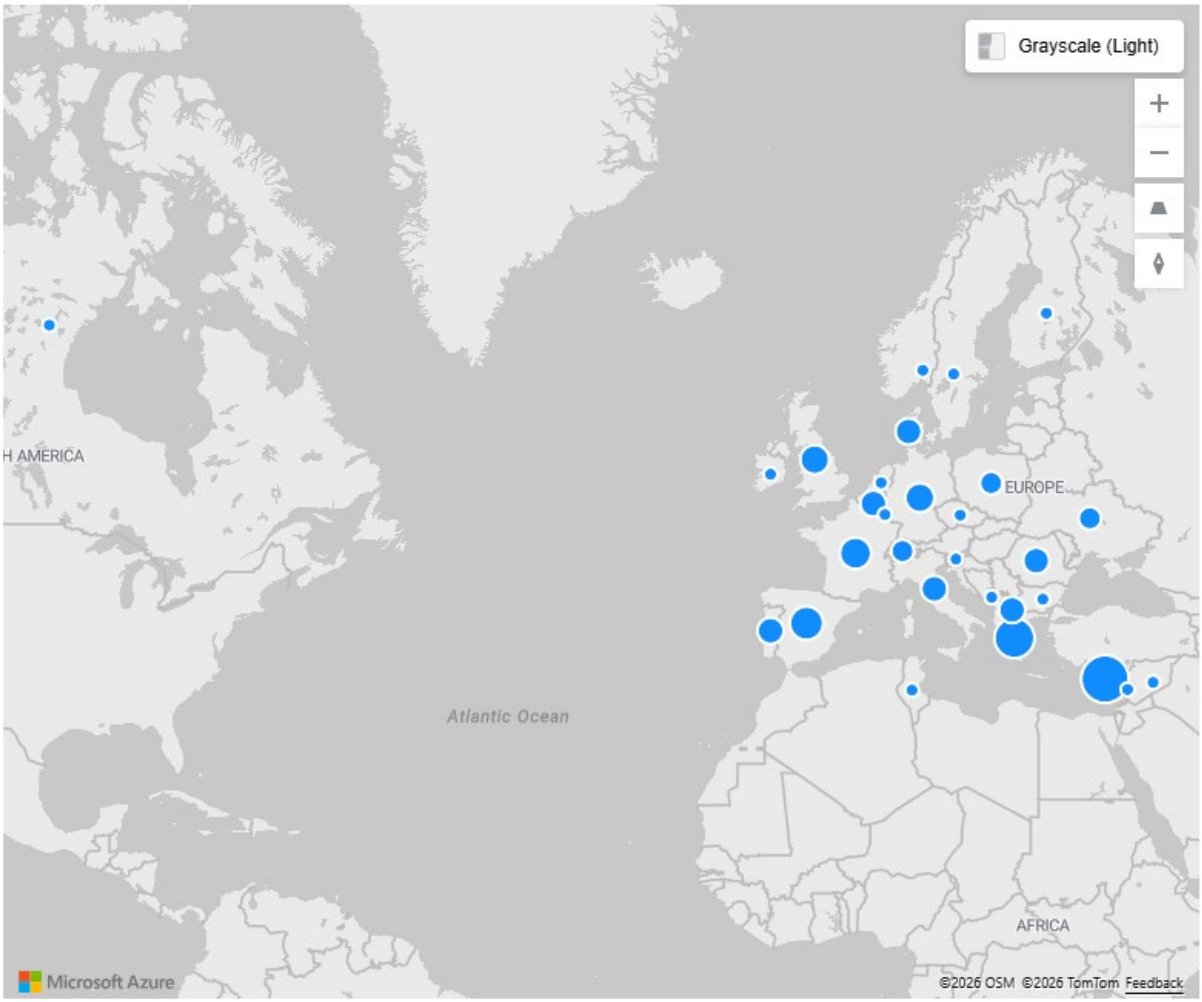


Figure 21: Number of proposals selected for funding in RP5 per country of partner organisation

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.

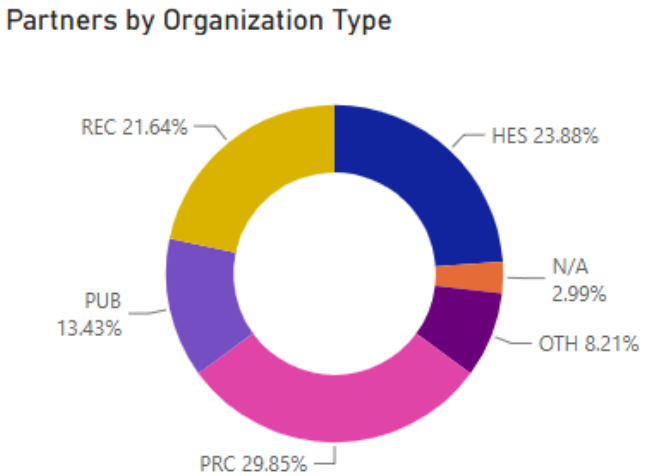


Figure 22: Distribution of organisation types in the proposals selected for funding during RP5

Analysis of the participating organisations demonstrates a balanced and diverse partnership portfolio (Figure 22). Around 24% of partners came from the Higher Education sector and 22% from research organisations, around 30% are private companies and SMEs and around 14% are public sector organisations. Overall, by the end of RP5, **140 stakeholders from public authorities** (**S06**) and **194 stakeholders from industry and the private sector** (**S07**) had participated in successfully funded proposals and tenders involving ECoE. These figures demonstrate ECoE's success in translating scientific excellence into strong stakeholder engagement and collaborative innovation activities involving governmental organisations, municipalities, research institutions, SMEs, and industry partners.

Despite the strong overall performance in securing competitive funding, KPI **P05b** related to hosting Marie Skłodowska-Curie (**MSCA**) and European Research Council (**ERC**) researchers has not yet recorded progress. During RP5, ECoE has undertaken a number of targeted actions to strengthen its readiness and competitiveness for future MSCA and ERC opportunities. In February 2026, the Centre organised the invited expert workshop "Writing for Nature Publications", delivered by **Prof. Aravanopoulos** from the Aristotle University of Thessaloniki (Figure 23). In addition to scientific publishing strategies, the workshop included a dedicated session on MSCA fellowships, covering aspects of research excellence, long-term career development, proposal preparation, and practical advice, including insights from an evaluator's perspective. In addition, in December 2025 a dedicated workshop was held between the President of ECoE's Board of Directors, **Dr. Nektarios Chrysoulakis**, and the Centre's management and senior researchers, focusing specifically on ERC opportunities and excellence-based funding schemes. Drawing upon his experience as Co-PI of the ERC Synergy project URBISPHERE, Dr. Chrysoulakis provided valuable guidance on the strategic steps required to build a competitive ERC profile, including research leadership, scientific positioning, team development, international networking, publication strategy, and long-term planning. These activities represent important preparatory steps towards strengthening ECoE's ability to successfully compete for and attract highly prestigious excellence-based funding schemes in the future. The continuous improvement of the Centre's scientific infrastructure, publication performance, international

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.

reputation, and research environment further increases its attractiveness as a future host institution for MSCA Fellows and ERC-supported researchers.



Figure 23: Pictures from the workshops with Prof. Aravanopoulos (left, middle) and Dr. Nektarios Chrysoulakis (right) on MSCA and ERC

Overall, the results achieved during RP5 confirm that research funding constitutes one of ECoE's strongest impact areas. The significant overachievement of KPIs related to proposal submissions, proposal success, funding secured, stakeholder participation, and collaboration with strategic partners demonstrates the Centre's evolution into a highly competitive research organisation with a strong and diversified funding portfolio, capable of sustaining its scientific activities well beyond the lifetime of the EXCELSIOR project.

4.11.2 Services

No.	Key Performance Indicator (KPI)	Metric	Target	RP1-RP4	RP5	Total	Achievement Status
S05	Development and provision of services/ tools in collaboration with local/ EMMENA stakeholders/ public authorities based on their specific needs	Number of services developed for the needs of public authorities/industry	12	15	4	**19**	158%

During RP5, ECoE continued to expand its portfolio of specialised services to public-sector organisations, securing four (4) new service contracts with a total value of €552,373, as shown in Table 21. These projects further demonstrate ECoE's growing role as a trusted provider of advanced digital, geospatial, and innovation services, while contributing to the Centre's long-term sustainability through the diversification of revenue streams and the strengthening of strategic collaborations with governmental and local authorities.

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.

The awarded contracts span a range of domains, including Artificial Intelligence, Geographic Information Systems (GIS), digital transformation, EO, and research-driven public-sector innovation. Notable projects include the development of a GIS and infrastructure database for the Limassol District Local Government Organisation to support the management of water and wastewater networks, the application of Artificial Intelligence technologies for the Cyprus Tax Department to support decision-making and statistical analysis, and a strategic collaboration with the Limassol District Local Government Organisation aimed at bridging research and public administration through the development of European and national projects leveraging EO, GIS, and other advanced digital technologies. Collectively, these activities strengthen ECoE's contribution to evidence-based decision-making, digital transformation, environmental resilience, and the delivery of improved public services in Cyprus.

Further details on the awarded services are available in **D1.27 Implementation Report for RP5**.

Table 21: List of services awarded to ECoE during RP5

No.	Title	Authority	Duration	Status	Budget (EUR)
1	Study, analysis and application of artificial intelligence technologies for the development and evaluation of an interdepartmental artificial intelligence system for the needs of the Tax Department	Tax Department	30/09/2025-30/09/2026 (12 months)	Completed	7,000
2	Development of a database and implementation of a Geographical Information System (GIS) for the technical department of the Limassol District Local Government Organisation	Limassol District Local Government Organisation (EOA Limassol)	08/12/2025-07/01/2028 (25 months)	Ongoing	345,000
3	Bridging Research and Public Administration: Collaboration between the Limassol District Local Government Organisation (EOA Limassol) and the ERATOSTHENES Centre of Excellence on European and National Projects	Limassol District Local Government Organisation (EOA Limassol)	03/08/2026-02/08/2028 (12+12 months)	Ongoing	95,373
4	Design, Development, and Maintenance of a Government Project Monitoring System Integrating Geoinformatics and Artificial Intelligence	Presidency of the Republic of Cyprus	tbc (12+12 months)	Awarded	105,000
				Total	**552,373**

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.

4.11.3 Product Applications

In RP5, ECoE continued the development, validation, and maturation of a portfolio of EO-based applications, tools, and services addressing the needs of public authorities, industry stakeholders, researchers, and end-users. These applications span a wide range of thematic domains, including agriculture, disaster risk reduction, atmospheric monitoring, cultural heritage, maritime safety, and geospatial analytics. During RP5, ECoE further strengthened its approach to exploitation portfolio management by periodically reassessing the market potential and maturity of its applications and prioritising resources towards technologies demonstrating stronger prospects for operational uptake and commercial exploitation. Particular emphasis was placed on **PRECiRRi**, **NADI-RISK**, the **Marine Identification System** and **RustAlert**, while technologies with more limited near-term commercial potential were assigned lower priority. At the same time, **VERITAS** was introduced into the priority portfolio following an assessment of its potential application in cultural property protection. The **National Fuel Map and Fire danger**, a methodological framework for national wildland fuel mapping, fire danger assessment, and fire propagation modelling was also added to the priority portfolio. The framework was exploited through a direct contract with the **Department of Forests** of Cyprus valued at **325,000 Euros**. This approach demonstrates an increasingly evidence-based and selective exploitation strategy, aligning technology-development efforts with market needs, stakeholder demand and available resources. Table 22 and Table 23 provide a brief overview of the current status of these applications, while more detailed information is available in Deliverable **D3.15 Report on Joint Exploitation Strategy and IPR Management for RP5**.

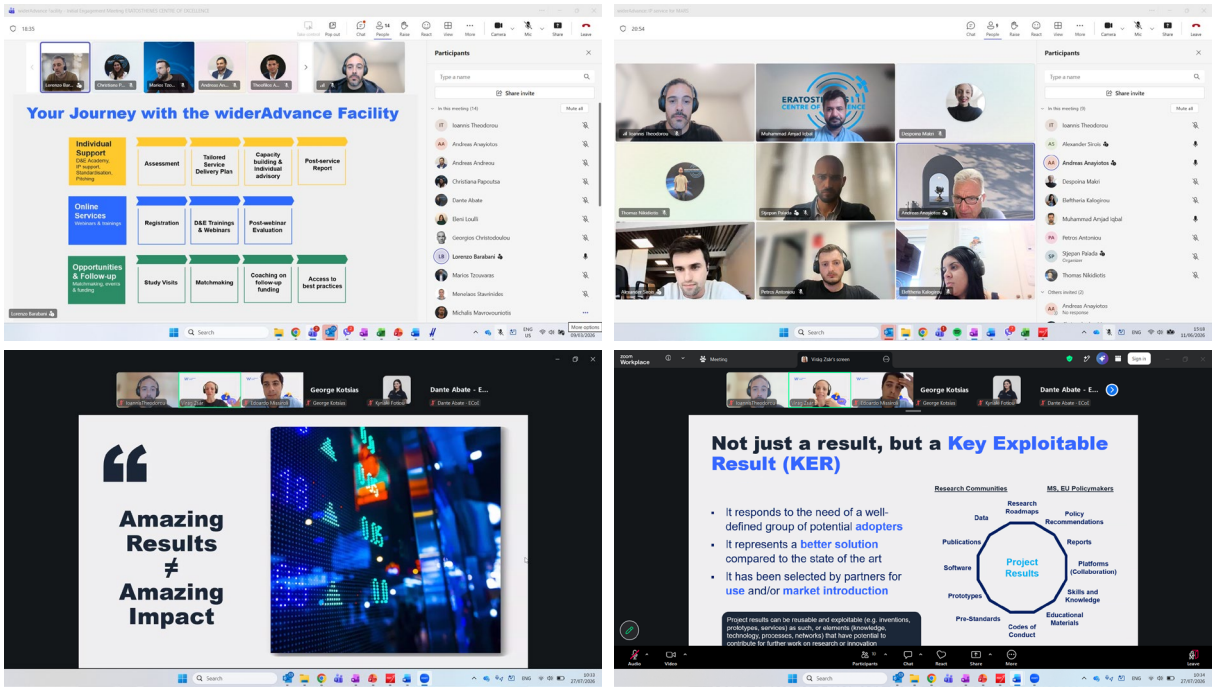


Figure 24: Pictures from the engagement with widerAdvance Facility: initial engagement workshop (top left), introduction to the IP service by UNICO (top right) and D&E Academy Introductory Workshop (bottom)

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.

In RP5, ECoE's engagement with the national **Central Knowledge Transfer Office** provided additional support in technology screening, intellectual property management, commercial outreach and exploitation planning. ECoE also sought external specialised support to further strengthen the exploitation potential of its research outputs through the **widerAdvance Facility**. Following a successful institutional application covering EXCELSIOR and other relevant Widening projects, ECoE was selected to receive specialised support, with **16 Key Exploitable Results (KERs)** included in dedicated Dissemination & Exploitation Academies, which commenced in July 2026 and are currently ongoing. The support combines training, practical exploitation tools and expert coaching to help research teams better define the value proposition, target users and markets, dissemination pathways, and exploitation potential of their results, while also informing potential follow-up support related to IP/Freedom-to-Operate analysis, commercialisation and third-party matching. This engagement is therefore contributing not only to the exploitation readiness of individual research results, but also to strengthening ECoE's internal capacity and institutional processes in research management, technology transfer and pathways to impact.

Table 22: Mature Technology Applications

Category	Title	TRL	Partners
Agriculture	A1 PRECiRRi (Precise Irrigation and Agricultural Management)	8	ECoE
Disaster Risk Reduction	A2 NADI-RISK (Natural Disaster Risk Assessment tool – Earthquakes, Landslides, Floods, Fires)	8	ECoE, CUT
Marine Safety and Security	A3 Marine Identification System (Early Warning System) Marine Safety and Pollution Monitor	5	ECoE, DLR
Energy/ Atmosphere	A4 UVI Risk assessment tool	5	ECoE, PMODWRC, NOA
Cultural Heritage	A5 VERITAS visual evidence for recognition and identification of trafficked art sales	5	ECoE
Transportation	A6 RustAlert System for the detection of early signs of corrosion in large concrete structures.	5	ECoE
Disaster Risk Reduction	A7 National Fuel Map and Fire danger		ECoE, AUTh

Table 23: Technology Applications Under Development/Emerging

Category	Title	TRL	Partners
Cultural Heritage	E1 EO4CH Earth observation tools for cultural heritage	4	ECoE, DLR
Atmosphere	E2 Atmosphere parameter Identification Tools (GBS infrastructure)	3	ECoE, TROPOS
Agriculture	E3 Sowing & Harvesting tool for agricultural applications	2	ECoE, NOA

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.

Category	Title	TRL	Partners
Agriculture	E4 Carbon Farming: Building a sustainable future with carbon farming innovation	2	ECoE, iBEC
Disaster Risk Reduction	E5 Cyprus Geohazards Observatory (Landslides/Earthquakes)	2	ECoE, NOA, AUTh
Disaster Risk Reduction	E6 Cyprus Fire and Flood Observatory (Fires, Floods)	2	ECoE, NOA, AUTh
Energy	E7 Allocation of electric vehicle charging	2	FOSS, ECoE
Energy	E8 GIS4PV Digital technology tool for calculation of PV energy production.	2	FOSS, ECoE
Disaster Risk Reduction	E9 Forest Mortality Mapping: Drought-Driven Tree Die-off Detection and Risk Screening	2	ECoE
Cultural Heritage	E10 Urban Heat in Cyprus: The CyTherm Tool	2	ECoE

4.12 Publications

No.	Key Performance Indicator (KPI)	Metric	Target	RP1-RP4	RP5	Cumulative	Achievement Status
P11	Citations from publications related to the ECoE, which result in a h-Index	h-index from ECoE related publications (Scopus, Google scholar)	45	Scopus: 23[4] Google Scholar: 24	Scopus: 27 Google Scholar: 29	**Scopus: 27 Google Scholar: 29**	64%
P12a	Joint Publications with EXCELSIOR partners in peer-reviewed scientific journals	Number of articles jointly published with EXCELSIOR partners in peer-reviewed scientific journals	46	16	10	**26**	57%
P12b	Joint Publications with EXCELSIOR partners in the proceedings of International Conferences	Number of articles jointly published with EXCELSIOR partners in the proceedings of International Conferences	72	53	14	**67**	93%
SC01	Publication of Journal papers resulting from research conducted at the ECoE	Number of articles in peer-reviewed scientific journals	195	110	67	**177**	91%
SC02	Publication of Conference papers resulting from research conducted at the ECoE	Number of articles published in the proceedings of International Conferences	285	163	59	**222**	78%

[4] Please note that in the previous deliverable, the Scopus h-index was inadvertently reported as 39. Following a verification of the underlying data, the correct value at the time of reporting was 23. The discrepancy has been corrected in the present deliverable.

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.

SC03	Citations listed in Scopus and Google Scholar from publications related to the ECoE	Number of citations on ECoE related publications from Scopus and Google Scholar	**6500**	Scopus: 1983 Google Scholar: 1875	Scopus: 2696 Google Scholar: 3519	**Scopus: 2696 Google Scholar: 3519**	**54%**
SC04	Participation in International Conferences/workshops	Number of presentations (oral/ posters) in International Conferences/workshops	**75**	133	202	**335**	**447%**

Research excellence and scientific dissemination remain among ECoE's core objectives. During RP5, ECoE continued to strengthen its scientific output, international visibility, and research impact through an increased number of publications, growing international collaborations, and a steady accumulation of citations. Based on the data recorded in the institutional publications database, ECoE researchers produced a total of **200 scientific outputs** by the end of RP5, including journal articles, conference papers, indexed abstracts, book chapters, and preprints, as shown in Figure 25. The publication portfolio consists primarily of **126 peer-reviewed** publications: **67 journal articles (33.5%; SC01)** and **59 conference papers (29.5%; SC02)**, as well as **50 indexed abstracts (25%)**, demonstrating a balanced dissemination strategy across both peer-reviewed journals and international conferences. A complete list of the journal articles and conference papers published during RP5 is available in Annex I. In addition, the substantial presence of **121 open access outputs (60.5%)** and **15 preprints (7.5%)** highlight the Centre's commitment to the rapid dissemination of research results and Open Science practices.

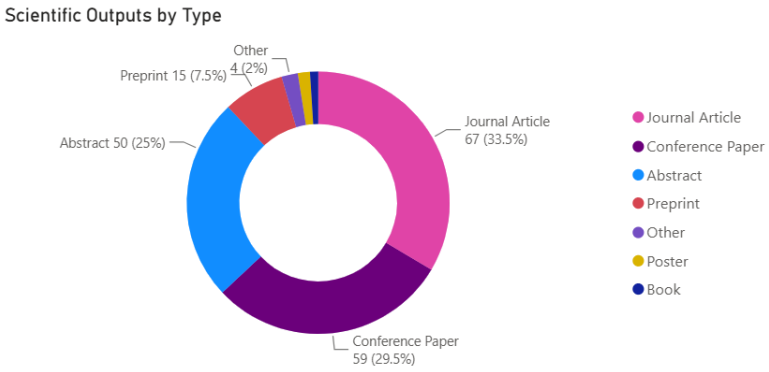


Figure 25: Scientific outputs produced by ECoE during RP5

Out of the 126 peer-reviewed publications, **24 were produced jointly with the EXCELSIOR advanced partners**, representing tangible outcomes of capacity-building activities, secondments, staff mobility, and collaborative research efforts undertaken throughout the project. More specifically, **10 joint publications were published in peer-reviewed scientific journals (P12a)** and **14 in international conference proceedings (P12b)**. These results demonstrate the strong scientific integration and collaborative culture established within the EXCELSIOR consortium, as well as the successful transfer of knowledge and expertise between ECoE and its strategic partners.

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.

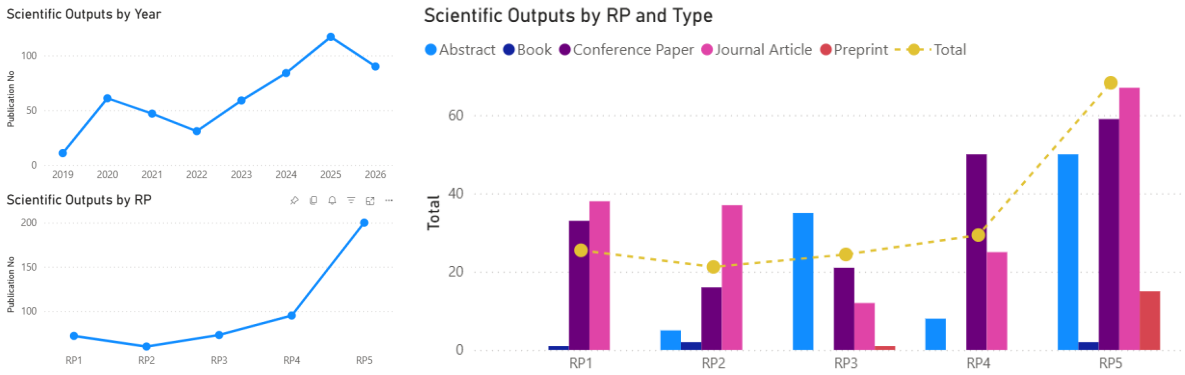


Figure 26: Scientific outputs produced by ECoE by year, RP and type since the start of EXCELSIOR

From a KPI perspective, significant progress has been achieved during RP5. The indicators related to the **number of articles published in peer-reviewed scientific journals (SC01)** and the **number of articles published in international conference proceedings (SC02)** have reached **91% and 78% of their respective targets**, representing a notable improvement compared to previous reporting periods and indicating a gradual recovery towards the initially envisaged objectives. Similarly, the KPI concerning the **number of jointly published articles with EXCELSIOR partners in conference proceedings (P12b)** has already reached **93% of its target**, demonstrating the effectiveness of the collaborative research framework established by the project. The corresponding KPI for **joint journal publications (P12a)** with EXCELSIOR partners currently stands at **57%**, in part due to the longer publication cycles associated with high-quality peer-reviewed journal articles, many of which remain in preparation or under review.

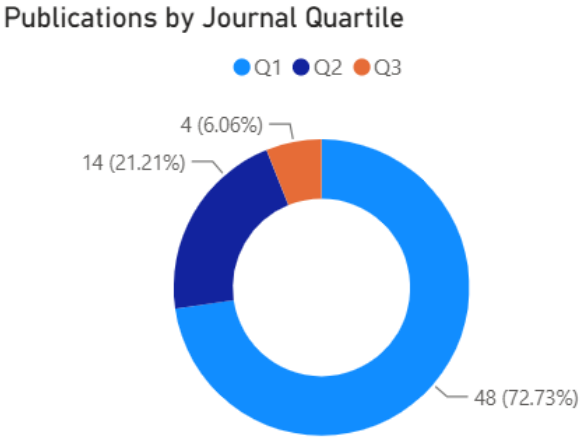


Figure 27: Journal quartiles where ECoE's journal articles have been published in RP5

While some of the publication-related KPIs may not reach 100% of the original quantitative targets by the end of the project, it is important to assess these achievements in the broader context of their scientific significance and quality, as highlighted by the reviewers during the previous reporting period.

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.

In this respect, the results achieved during RP5 provide strong evidence of the growing scientific maturity of the Centre. Publication output has increased substantially (Figure 26), with RP5 representing the most productive reporting period to date, with a notable growth of **139% in journal articles** compared to RP4, and a growth of **68% in overall peer-reviewed publications**. Moreover, the quality of the published research remains particularly strong (Figure 27), with **72.7% of journal articles appearing in Q1 journals** and a further **21.2% published in Q2 journals**, demonstrating that ECoE researchers are increasingly publishing in highly ranked international scientific outlets. The most frequent publication outlets include MDPI Remote Sensing and Springer Environmental Processes.

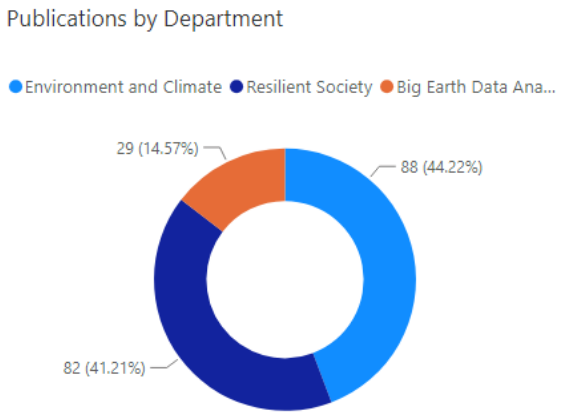
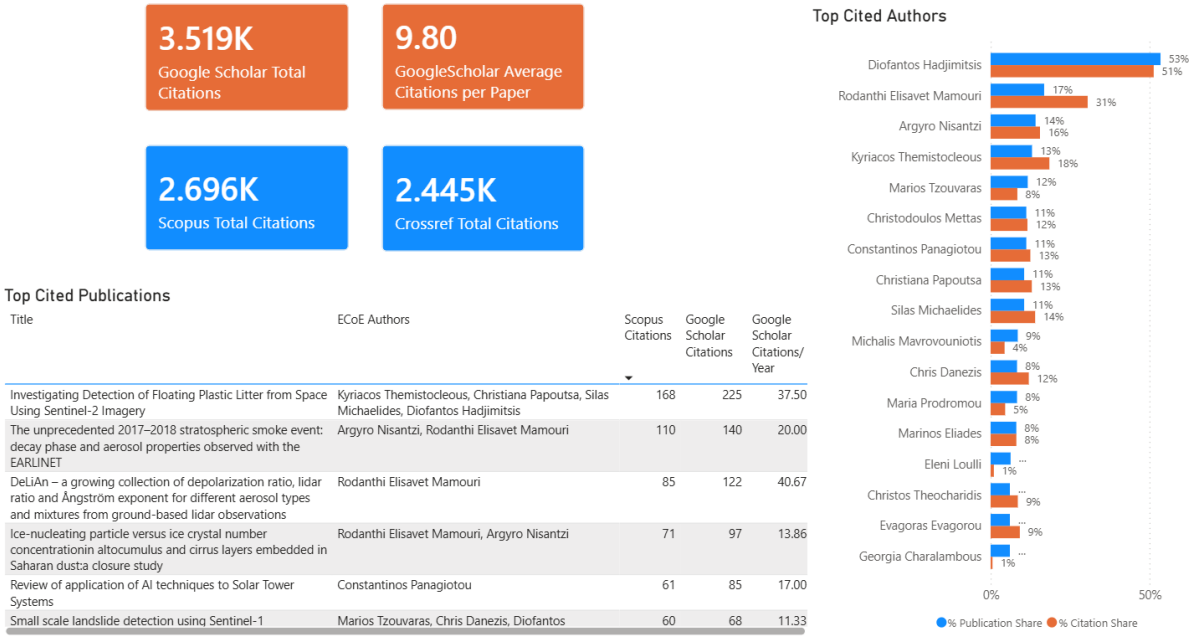


Figure 28: RP5 scientific outputs by Department

The scientific output is distributed relatively evenly across the Centre's research departments, demonstrating a balanced research ecosystem. The **Environment and Climate Department** accounts for approximately **44%** of publications, followed closely by the **Resilient Society Department** with **41%**, while the **Big Earth Data Analytics Department** contributes around **15%** of the overall publication portfolio. This distribution reflects ECoE's multidisciplinary nature and the successful integration of Earth Observation, environmental monitoring, disaster resilience, geospatial technologies, artificial intelligence, and big data analytics across its research activities.

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.



Top Cited Publications

Title	ECoE Authors	Scopus Citations	Google Scholar Citations	Google Scholar Citations/ Year
Investigating Detection of Floating Plastic Litter from Space Using Sentinel-2 Imagery	Kyriacos Themistocleous, Christiana Papoutsa, Silas Michaelides, Diofantos Hadjimitsis	168	225	37.50
The unprecedented 2017–2018 stratospheric smoke event: decay phase and aerosol properties observed with the EARLINET	Argyro Nisantzi, Rodanthi Elisavet Mamouri	110	140	20.00
DeLiAn – a growing collection of depolarization ratio, lidar ratio and Ångström exponent for different aerosol types and mixtures from ground-based lidar observations	Rodanthi Elisavet Mamouri	85	122	40.67
Ice-nucleating particle versus ice crystal number concentrationin altocumulus and cirrus layers embedded in Saharan dust:a closure study	Rodanthi Elisavet Mamouri, Argyro Nisantzi	71	97	13.86
Review of application of AI techniques to Solar Tower Systems	Constantinos Panagiotou	61	85	17.00
Small scale landslide detection using Sentinel-1	Marios Tzouvaras, Chris Danezis, Diofantos	60	68	11.33

Figure 29: ECoE citations and top cited publications and authors by the end of RP5

The increasing visibility and impact of ECoE research are further reflected in citation metrics (Figure 29). By the end of RP5, ECoE-related publications had accumulated **2696 Scopus citations** and **3519 Google Scholar citations (SC03)**, corresponding to an average of **9.8 citations per publication** in Google Scholar. Based on the number of citations of each ECoE publication recorded in each platform, ECoE's grouped **h-index** (**P11**) by the end of RP5 is **29 in Google Scholar and 27 in Scopus**. The citations and the h-index figures are cumulative from the start of EXCELSIOR. The most highly cited papers address topics such as Earth Observation applications, aerosol and atmospheric sciences, wildfire and environmental monitoring, and artificial intelligence applications, demonstrating both scientific quality and societal relevance.

The growing scientific impact of ECoE is further reflected in the international recognition received by its researchers. During RP5, Prof. Diofantos Hadjimitsis was ranked among the **top 0.5%** of scientists worldwide according to the ScholarGPS 2024 rankings (published 05/2025), while Prof. Hadjimitsis, Dr. Kyriacos Themistocleous, and Dr. Michalis Mavrovouniotis were included in Stanford University's World's **Top 2%** Scientists list.

Furthermore, Dr. Mavrovouniotis was ranked among the **top 0.05%** of scientists worldwide in the 2025 ScholarGPS rankings in Ant colony optimization algorithms, received the Man of the Year 2024 Cyprus Award in the Scientist category, and was appointed for a fourth consecutive year as **Chair of the IEEE Task Force** on Evolutionary Computation in Dynamic and Uncertain Environments (ECiDUE), highlighting the international visibility and excellence of ECoE's research activities.

In addition, Prof. Hadjimitsis and Dr. Silas Michaelides were included in the Research.com **Best Environmental Scientists 2026** ranking, placing 5th and 7th respectively among researchers affiliated with institutions in the Republic of Cyprus.

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

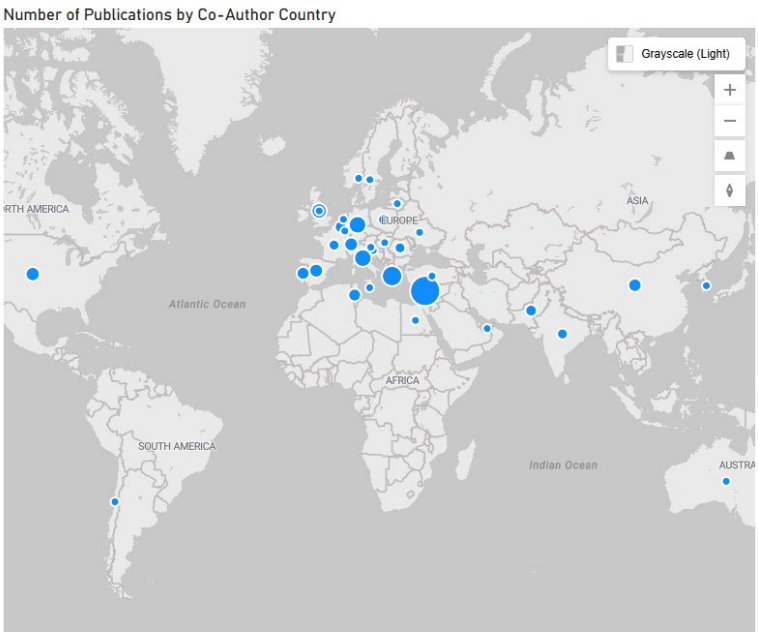
This project has received funding from the Government of the Republic of Cyprus through the Directorate General for the European Programmes, Coordination and Development as well as the Cyprus University of Technology.

The above citation records have contributed to an around 64% achievement of KPI **P11** (h-index from ECoE-related publications) and an around 54% achievement of KPI **SC03** (number of citations on ECoE-related publications from Scopus and Google Scholar). Although both indicators remain below their final project targets, the sustained increase in publications, citations, together with the scientific recognition in international rankings indicates a positive trajectory for the Centre, which is expected to continue strengthening until the end of the project.

Furthermore, the Centre's international scientific footprint continued to expand during RP5 (Figure 30). ECoE publications involved collaborations with **183 distinct organisations** across **36 countries**, demonstrating the breadth of the Centre's international research network. Furthermore, **71.9% of publications included external co-authors**, while **67.5% involved international co-authors**, highlighting the strong collaborative nature of ECoE's research activities. The most active international collaborations were established with organisations and researchers from **Germany, Italy, the United Kingdom, Greece, and the United States**, while key institutional partners included **NOA**, **The Cyprus Institute**, **Aristotle University of Thessaloniki**, **TROPOS**, and **Università degli Studi di Roma Tor Vergata**. These figures demonstrate the important contribution of both the EXCELSIOR strategic partners and the broader international research community to the Centre's scientific excellence and visibility.

The quality and leadership of ECoE's scientific contributions are further reflected in authorship indicators. During RP5, **77% of publications included an ECoE researcher as first author**, while **76% included an ECoE researcher as corresponding author**, demonstrating the Centre's increasingly leading role in the conception, execution, and dissemination of scientific research, as well as its growing influence within international collaborative networks.





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 30: ECoE's international collaborations in scientific output production during RP5

In addition to publications, ECoE continued its active engagement in a wide range of international conferences, workshops, exhibitions, and collaborative events, reinforcing its role as a regional and European leader in 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. The full list of ECoE's participation in international events is provided in Annex III, while an in-depth analysis is available in **D9.12 Report on the participation in international events and organization of international conferences**.

During RP5, ECoE researchers participated in a total of 107 international events, including 97 in-person and 10 online, with a total of **202 contributions**: 131 oral presentations, 52 poster presentations, 5 keynote/invited talks and 14 panel/roundtable discussions. As a result, KPI **SC04** reached 447% of its target value, significantly exceeding the original target of 75 presentations, which in hindsight proved to be considerably underestimated given the rapid growth of ECoE's scientific activities, international visibility, and participation in high-profile events.

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.

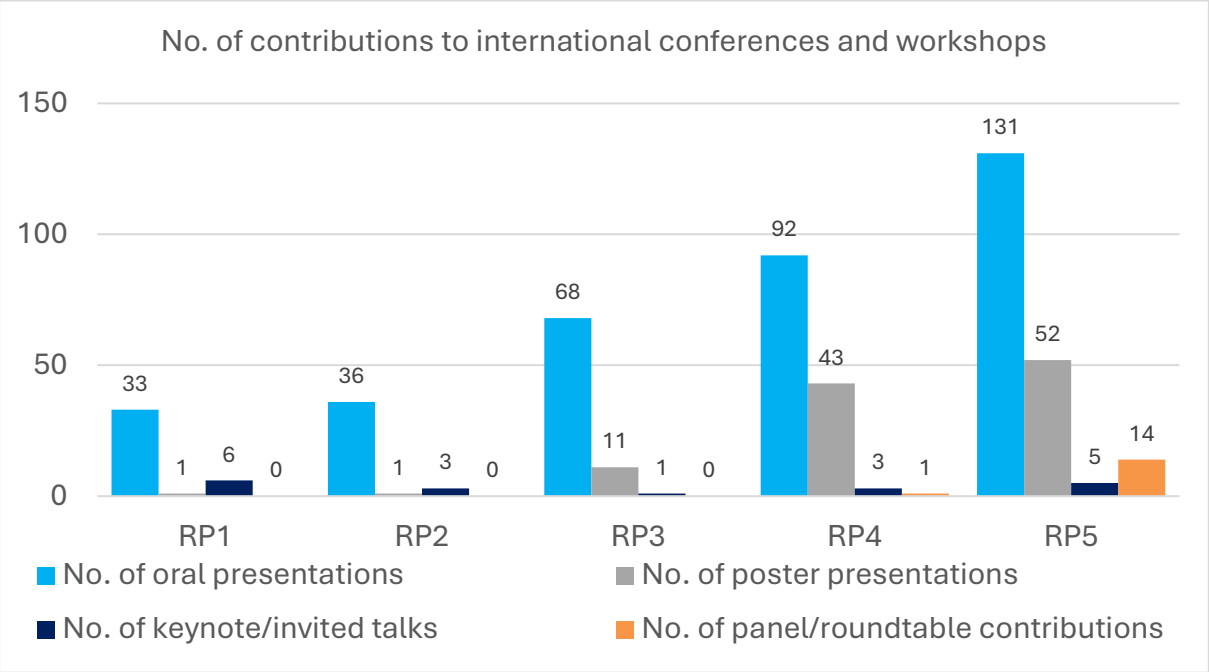


Figure 31: Number of contributions to international events per type and RP

Analysis of the different types of contributions delivered by ECoE since the start of EXCELSIOR demonstrates an increasingly active and influential role within the international research and innovation community (Figure 31). Particularly noteworthy is the increase in high-level contributions during RP5, including **14 panel and roundtable participations**, reflecting the growing recognition of ECoE experts as contributors to scientific, policy, innovation, and entrepreneurship dialogues at European and international level. This enhanced visibility was further supported by ECoE's active involvement in the organisation and implementation of several high-profile events held under the framework of the **Cyprus Presidency of the Council of the European Union** during RP5, including conferences, stakeholder forums, policy workshops, and space-related events. These activities provided additional opportunities for engagement with policymakers, international organisations, research institutions, industry representatives, diplomatic missions, and innovation stakeholders.

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.
- ECoE was recognised at the 2026 Genetic and Evolutionary Computation Conference (GECCO 2026) for the contribution by Dr. Michalis Mavrovouniotis to the paper "A Heterogeneous Ant Colony Framework with Semantic Manifold Learning for Dynamic Ore-Flow Blending", which received the Best Paper Award.
- The AI-OBSERVER project established an annual award to recognise outstanding contributions by its women scientists working in Artificial Intelligence for EO. The 2025 award was presented to ECoE researcher Dr. Maria Prodromou following a consortium-based evaluation process, acknowledging her excellence in high-impact scientific publications and research achievements.

4.13 Researchers' Mobility

No.	Key Performance Indicator (KPI)	Metric	Target	RP1-RP4	RP5	Cumulative	Achievement Status
SC05	Foster mobility among researchers (towards and from the Centre) with Universities, research Centres and the private sector, excluding EXCELSIOR consortium	Number of personnel visiting and/ or using the ECoE facilities and Number of ECoE personnel seconded to other organisations	18	13	19	**32**	178%

During RP5, no personnel from external organisations formally visited or used the ECoE facilities under the framework of the mobility programme. Nevertheless, the Centre continued to support knowledge exchange and the development of future talent by hosting **19 interns**, including 6 interns during Summer 2025 and 13 interns during Summer 2026.

The interns came from diverse academic backgrounds, including Physics, Food Technology, Space Engineering, Agriculture, and Civil Engineering, reflecting the multidisciplinary nature of the Centre's activities. Each intern was assigned a dedicated supervisor who provided guidance and support throughout the internship period, enabling participants to gain practical experience in research, innovation, EO, and related scientific disciplines.

These activities contributed to strengthening links between ECoE and academic institutions, supporting skills development and promoting research and innovation careers among students and early-career professionals.

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.

4.14 Patents

No.	Key Performance Indicator (KPI)	Metric	Target	RP1-RP4	RP5	Cumulative	Achievement Status
SC06	Development of integration tools to fully exploit the use of multiple EO/RS at ground-based stations, in particular for the calibration/ validation/ integration of satellite sensors.	Number of patents/ new methodologies/prototypes /designs developed	3	2	0	**2**	67%

During RP5, the **Concrete Corrosion Remote Sensing System (CCRSS)** project, currently further developed under the commercial identity **RustAlert System**, achieved significant progress towards the protection, commercialisation, and market exploitation of the technology. Building upon the selection of CCRSS in the **4th Cycle of Cyprus Seeds**, the project benefited from targeted support aimed at accelerating the commercialisation of research results generated by ECoE.

A major milestone was the successful advancement of the project's intellectual property portfolio. Following the filing of an international patent application (PCT) in July 2024, the technology received a **patent grant from the UK Intellectual Property Office (UKIPO) on 24 September 2025**. Further patent protection activities included the submission of a **United States Patent and Trademark Office (USPTO) application in January 2026** and a **European Patent Office (EPO) application in February 2026**. Following the submission of the European application, comments received from the EPO were addressed through the Centre's legal representatives, and the application process remains ongoing.

To support dissemination, stakeholder engagement, and commercialisation activities, dedicated communication channels were established for the technology under its commercial identity, **RustAlert System**, including:

- Website: https://rustalert.tech/
- LinkedIn Page: https://www.linkedin.com/in/rustalert-system-07375641b/

In addition, through the Cyprus Seeds support programme, the project team participated in a number of entrepreneurship, commercialisation, and venture-development activities aimed at strengthening the market readiness of the technology.

In April 2025, the CCRSS team participated in the **Conception X Bootcamp** and the **"Figuring out your Starting Market"** training programme. These activities focused on business development, market assessment, customer discovery, and the identification of suitable market-entry strategies for deep-tech innovations. The training enabled the project team to evaluate potential exploitation pathways, assess market attractiveness, and strengthen its understanding of commercialisation processes and startup development methodologies.

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.

In November 2025, ECoE representatives participated in the **Conception X Demo Day (Cohort 8)** in London. The event brought together deep-tech startups, investors, industry leaders, and innovation stakeholders from across Europe. Participation provided valuable opportunities for networking, exposure to emerging technologies and investment ecosystems, and engagement with founders and innovation professionals working in fields such as artificial intelligence, advanced materials, and engineering technologies. The programme also included specialised sessions on fundraising, intellectual property protection, venture financing, investor engagement, and startup growth strategies.

These activities have significantly strengthened the commercialisation prospects of the CCRSS/RustAlert technology, while contributing to the broader objectives of the ERATOSTHENES CoE in relation to technology transfer, intellectual property management, entrepreneurship, and the creation of sustainable pathways for translating research excellence into societal and economic impact.



Figure 32: Photos from the participation in the Conception X Bootcamp in April 2025 (left) and the Conception X Demo Day in November 2025 (right)

4.15 Start-ups and spin-offs

No.	Key Performance Indicator (KPI)	Metric	Target	RP1-RP4	RP5	Cumulative	Achievement Status
SC07	Promotion of innovation through incubators, accelerators, and spin-offs	Number of start-ups and/ or spin-offs created utilising products or expertise gained from the ECoE Research Areas	3	0	4	4	133%

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.

SC08	The turnover (profit) of start-ups and spin-off companies that are directly related to ECoE activities	Turnover (Profit) of companies; start-ups and/ or spin-offs directly related to ECoE activities	**€ 180k**	0	0	**0**	**0%**
S08	Promotion of spin-off creation and entrepreneurship culture in EO businesses in Cyprus and in the EMMENA region	Number of start-ups and/or spin-offs created utilising products or expertise gained from the ECoE Research Areas	**3**	0	4	**4**	**133%**

During RP5, ECoE made significant progress in strengthening its innovation and entrepreneurship support ecosystem through the establishment and operation of *Space BIC by ERATOSTHENES CoE*, Cyprus' first dedicated business incubation programme focused on space-related entrepreneurship. The programme was established in March 2025 through a dedicated agreement between the Deputy Ministry of Research, Innovation and Digital Policy (DMRID) and ECoE, with the objective of supporting the creation and growth of innovative startups and contributing to the development of a sustainable national space innovation ecosystem. Through the successful implementation of Space BIC, ECoE has laid the foundations for the future establishment of ESA BIC Cyprus, leveraging Cyprus' recent accession as an ESA Associate Member and strengthening the country's position within the European space innovation ecosystem. These activities are described in detail in **D8.13 Report on the ECoE Incubation Programme and analysis of effectiveness (update 1)**.

Building upon the incubation framework originally envisioned under EXCELSIOR for establishing an ESA BIC in Cyprus, *Space BIC* became fully operational during RP5 and successfully launched its first incubation cycle. The establishment of Space BIC enabled the Centre to effectively mitigate delays in establishing an ESA BIC in Cyprus, as foreseen under EXCELSIOR. Space BIC served as an interim yet fully operational mechanism, ensuring continuity in developing space entrepreneurship support activities and in the practical implementation of the incubation framework originally envisioned by the EXCELSIOR project. This approach ensured continuity between EU-funded capacity building activities under EXCELSIOR and nationally funded implementation measures, maximising the overall impact and sustainability of the investment.

As a tangible outcome of these efforts, the **successful selection and incubation of four startups** through Space BIC exceeded the target established under the EXCELSIOR project for startup creation (KPI > 3), directly contributing to the achievement of the project's relevant KPIs **(SC07 and S08)**. This achievement demonstrates the effectiveness of ECoE's entrepreneurship support activities and directly contributes to project objectives related to innovation uptake, startup development, and the fostering of a sustainable entrepreneurship ecosystem in EO- and space-related domains.

At the end of RP5, the startups incubated through Space BIC remained in the incubation phase and therefore no measurable turnover or profit figures were yet available (**SC08**). Nevertheless, the successful establishment of the incubation programme, the onboarding of four startups, the creation of a structured mentoring and support framework, and the development of a national space entrepreneurship ecosystem represent important achievements that are expected to contribute to

future startup growth, job creation, investment attraction, and turnover generation in subsequent reporting periods.

These developments demonstrate ECoE's growing role in promoting innovation, entrepreneurship, and technology commercialisation, while supporting the long-term sustainability of the Centre and contributing to Cyprus' ambition to become a regional hub for Earth Observation, geospatial technologies, and space-related innovation.

4.16 Engagement and Outreach

No.	Key Performance Indicator (KPI)	Metric	Target	RP1-RP4	RP5	Cumulative	Achievement Status
S03	Continuous interaction with stakeholders nationally, in the EMMENA region and in Europe through dedicated events	Number of events (workshops, info days, etc.) that the ECoE organised/participated	250	361	85	446	178%
S04	Establishment of new partnerships with public authorities, the industry, and SMEs in the EO domain locally and across the EMMENA region, Europe and beyond	Number of meetings with local authorities, public and private stakeholders, academia, etc.	17	132	87	219	1288%
S09	Involving civil society and citizens, to influence the adaptation of the culture to the new technological EO environment though responsible research and innovation activities	Number of activities targeting to non-academic audiences to increase of scientific culture of the country	15	91	58	149	993%

4.16.1 Event organization and participation

A core objective of ECoE has been the continuous engagement of stakeholders across academia, industry, public authorities, international organisations, innovation ecosystems, and civil society through the organization and participation in dedicated events. During RP5, ECoE maintained a particularly strong engagement and networking presence through active participation in **>60 international, European, national, and regional events** (excluding scientific conferences and workshops which are covered in section 4.12), while also **organising or co-organising > 20 events,** as well >20 events organized/co-organized in the framework of other externally funded projects apart from EXCELSIOR. These activities included technology expos, international workshops, stakeholder forums, networking activities, training events, policy-oriented meetings and other events, covering a broad spectrum of thematic areas aligned with ECoE's research and innovation priorities, including EO, space technologies, Artificial Intelligence, climate change, disaster risk reduction, digital innovation,

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.

cultural heritage protection, agriculture, maritime safety and security, water resources, entrepreneurship, research management, and innovation policy.

Table 24: Summary of major conferences and other events organized by ECoE during RP5

Event	Date	Location	Detailed Reporting
Cyprus Presidency of the Council of the European Union 2026			
International Symposium: Cultural Property Protection An enabler for cooperation in Europe, the Mediterranean and the Gulf region	20-21/4/2026	Nicosia, Cyprus	D9.12
RSCy2026 12th International Conference on Remote Sensing and Geoinformation of Environment	27-29/4/2026	Paphos, Cyprus	D9.12
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	D9.12/ D9.15 due 31/12/2027
Riding the Wave Advancing the EU Ocean Pact through Science, Innovation and Cooperation	11-12/5/2026	Ayia Napa, Cyprus	D9.12
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	D9.12
2026 General Assembly of the EU Space Networks (Scheduled back-to-back with the EU Space Days 2026 organised by the European Commission)	27-28/5/2026	Nicosia, Cyprus	D9.12
From Space to Solutions Leveraging Space Tech, Earth Observation & AI for Real-World Impact	08/6/2026	Nicosia, Cyprus	D9.12
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	D9.12
Informal Meeting of the Common Agricultural Policy (CAP) Directors	28-30/4/2026	Paphos, Cyprus	D9.12
Visit by the European Parliament's Committee on Education and Culture	12/6/2026	Limassol, Cyprus	D9.12
Visit by the Working Party on Space Attachés	23/6/2026	Limassol, Cyprus	D9.12
Other major events			
ECoE 5-Year Anniversary Event	27/05/2025	Limassol, Cyprus	This report
From Idea to Impact: How to Start Your Entrepreneurship Journey (CCCI)	26/06/2025	Nicosia, Cyprus	This report
Launch of Space BIC Cyprus by ERATOSTHENES CoE	23/09/2025	Limassol, Cyprus	D8.13

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	Date	Location	Detailed Reporting
COMECAP 2025 17th International Conference on Meteorology, Climatology & Atmospheric Physics	29/9/2025-01/10/2025	Nicosia, Cyprus	D9.12
GIS Day 2025	20/11/2025	Limassol, Cyprus	This report
"Cyprus in the New Space Era: Challenges and Opportunities" Infoday	01/12/2025	Limassol, Cyprus	This report
From Idea to Impact: How to Start Your Entrepreneurship Journey (Limassol CCI)	05/12/2025	Limassol, Cyprus	This report
Official Announcement of the selected teams of the Space BIC by ERATOSTHENES CoE	13/02/2026	Nicosia, Cyprus	D8.13
EXCELSIOR Space Industry Day: Synergies and Collaboration	11/03/2026	Limassol, Cyprus	This report
Space BIC Bootcamp	07-08/04/2026	Limassol, Cyprus	D8.13
1st India-Cyprus Space Day	18/5/2026	Online	D9.12

The most important events organized by ECoE during RP5 are summarized in Table 24. A particularly important achievement during RP5 was ECoE's contribution to the organisation and implementation of a series of high-level events under the framework of the Cyprus Presidency of the Council of the European Union 2026, which collectively attracted more than 1300 participants from over 30 countries, and over 180 high-level speakers and institutional representatives from European institutions, governmental organisations, international agencies, diplomatic missions, academia, and industry. These activities further strengthened ECoE's role as a regional hub for EO, research, innovation, and space technologies.

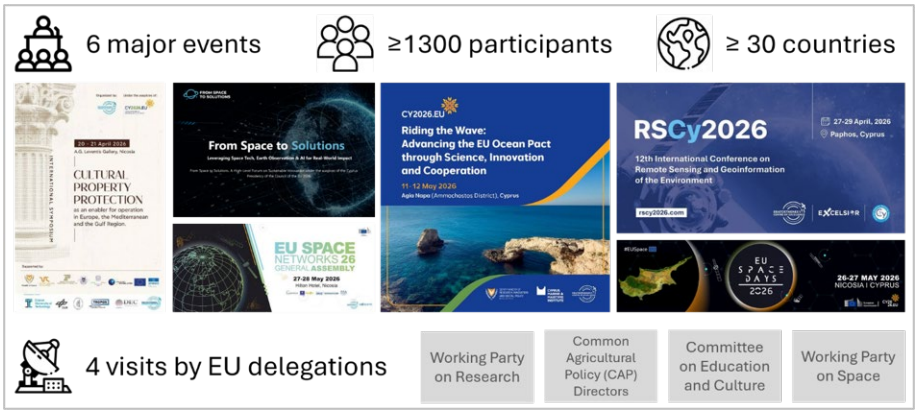


Figure 33: Summary of the events organised under the umbrella of the Cyprus Presidency of the Council of the European Union

A comprehensive overview of the activities related to the organisation and participation in international conferences and other international events since the beginning of EXCELSIOR is provided

in **D9.12 Report on the Participation in International Events and Organisation of Scientific Conferences.** In addition to the activities covered in D9.12, some additional important events (co-) organized by ECoE during RP5 are presented in the following subsections.

Overall, the breadth and diversity of engagement activities implemented during RP5 demonstrate ECoE's evolution into a recognised regional and international actor capable of convening stakeholders across science, policy, industry, and society. These activities contributed significantly to knowledge exchange, partnership development, innovation uptake, research visibility, science diplomacy, and the long-term sustainability of the Centre, while substantially exceeding the target established under **KPI S03**. The achievement of almost double the original target confirms the strong outreach capacity developed through EXCELSIOR and highlights the increasingly central role of ECoE within the European and international EO and space ecosystem.

4.16.1.1 ECoE 5-Year Anniversary Event

On 27 May 2025, the ECoE marked a major institutional milestone, celebrating the completion of its first five years of operation. The anniversary event brought together more than 220 partners, collaborators, supporters, and friends, reflecting the strength of the community that has grown around ECoE and the shared sense of purpose that has guided its journey. The evening was both a celebration and a moment of reflection. What began five years ago as a bold vision supported by a small founding team has evolved into a large, multidisciplinary research organisation with more than 100 members of personnel, including researchers, engineers, scientific staff, and administrative professionals. This rapid growth mirrors the expanding scope, ambition, and complexity of ECoE's activities, as well as its steadily strengthening position within the European and international research landscape.



Figure 34: Photos from the ECoE 5-Year Anniversary Event

The anniversary celebration highlighted the power of collaboration and collective effort. With more than 220 people present and the contribution of a team of over 120 passionate staff members, the

event underscored that ECoE's achievements are the result of shared vision, trust, and sustained cooperation.

4.16.1.2 From Idea to Impact: How to Start Your Entrepreneurship Journey

The Enterprise Europe Network Cyprus (EENCy), coordinated by the Cyprus Chamber of Commerce and Industry (CCCI), co-organised with ECoE the workshop "From Idea to Impact: How to Start Your Entrepreneurship Journey". The first edition was organized on 26 June 2025 at the CCCI premises in Nicosia, while a second edition was organized in collaboration with the Limassol Chamber of Commerce and Industry on 05 December 2025 in Limassol.

The events brought together early-career researchers, academics, startup founders, innovation-support professionals, and government representatives for a two-hour interactive workshop designed to support the transition from research and scientific ideas to entrepreneurship and market-oriented innovation. The workshops provided practical guidance on the first steps of entrepreneurship, available support mechanisms, intellectual property protection, funding opportunities, and academia-industry collaboration. Through a series of presentations and discussions, participants gained insights into transforming research outcomes into innovative products and services, establishing new businesses, and accessing support programmes at national and European level.



Figure 35: Photos from the "From Idea to Impact: How to Start Your Entrepreneurship Journey" event co-organized with the Cyprus Chamber of Commerce and Industry

These events contributed to strengthening Cyprus' innovation and entrepreneurship ecosystem by promoting entrepreneurial thinking among researchers and students, facilitating interaction between academia, industry, investors, and innovation-support organisations, and supporting the commercialisation of research and innovation outcomes. Through these activities, ECoE further reinforced its role as an enabler of innovation, technology transfer, and entrepreneurship within the EO, geospatial, and space technology domains.

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 36: Photos from the "From Idea to Impact: How to Start Your Entrepreneurship Journey" event co-organized with the Limassol Chamber of Commerce and Industry

4.16.1.3 GIS Day 2025

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.



Figure 37: Photos from the GIS Day 2025

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.

4.16.1.4 "Cyprus in the New Space Era: Challenges and Opportunities" Infoday

On 1 December 2025, ECoE hosted a major Infoday in Limassol, bringing together representatives from government, academia, research, local authorities and business to discuss the future of Cyprus in the space sector. The event was held at a particularly significant time for the Centre, which marked five years of operation in 2025, and at the time of Cyprus's preparation for two major milestones: the Presidency of the Council of the European Union in 2026 and the completion of its accession as an Associate Member of the European Space Agency (ESA).



Figure 38: Photos from the "Cyprus in the New Space Era: Challenges and Opportunities" Infoday

The event featured addresses by Prof. Diofantos Hadjimitsis, Mr. Giorgos Komodromos, Deputy Director General of the Deputy Ministry of Research, Innovation and Digital Policy, and Prof. Panayiotis Zaphiris, Rector of the Cyprus University of Technology. It also included participation from local authorities and the business community, reflecting the broad composition of the Cypriot space

ecosystem. During the event, the Centre's specialised infrastructures and research activities were presented by its Deputy Coordinators, followed by a panel discussion on the development of a modern and competitive Cypriot space ecosystem. A key highlight of the event was the Centre's recent European recognition and feature in the Science4EU campaign. The event also showcased the momentum of Space BIC, Cyprus' first space-focused business incubator, implemented by the ECoE to support the growth and maturation of innovative Cypriot start-ups. Overall, the Infoday underlined the Centre's pivotal role in shaping Cyprus' space strategy and strengthening the country's international presence in space, EO and innovation.

4.16.1.5 EXCELSIOR Space Industry Day: Synergies and Collaboration

ECoE organised the EXCELSIOR Space Industry Day: Synergies and Collaboration on 11 March 2026 at the Blue Economy Innovation Centre in Limassol, in hybrid format. The event brought together representatives from industry, research organisations, and the business community, with members of the EXCELSIOR consortium and the External Advisory Board participating both on-site and online. The programme opened with remarks by Prof. Diofantos Hadjimitsis and Dr. Dirk Roland Haupt, followed by presentations highlighting key initiatives of the Centre, including the EarthView Cyprus joint venture, the ECoE Vocational Training Centre, and the startups supported through the Space BIC Cyprus programme.

A key outcome of the event was the strengthening of collaboration between research and industry through the signing of cooperation agreements with the Limassol Chamber of Commerce and Industry and EUROGATE Container Terminal Limassol Ltd. The event further showcased the expanding role of EO and space technologies across sectors, with contributions from organisations of the local ecosystem. Overall, the activity fostered knowledge exchange, promoted partnerships, and reinforced ECoE's as a driver of innovation and collaboration within the regional and European space ecosystem



Figure 39: Photos from the EXCELSIOR Space Industry Day

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.

4.16.2 Meetings and Engagement Activities with Stakeholders

The establishment and strengthening of partnerships with public authorities, industry, SMEs, research organisations, universities, diplomatic missions, and international organisations remained a key priority for ECoE during RP5. Through targeted stakeholder meetings, business missions, networking activities, and events organised under the Cyprus Presidency of the Council of the European Union, ECoE significantly expanded its stakeholder ecosystem and strengthened its position as a regional hub for EO, geospatial technologies, and space-related innovation.

During RP5, ECoE participated in **almost 90 dedicated stakeholder engagement activities**, involving local authorities, ministries, municipalities, government agencies, industry representatives, innovation organisations, chambers of commerce, embassies, international organisations, research centres, and universities. A detailed list of these activities is available in **Annex IV**. These engagements complemented the Centre's participation in international conferences, workshops, and various other events during RP5, providing numerous opportunities for networking, partnership development, and collaboration building, and substantially contributed to KPI **S04**.



Figure 40: Indicative photos from the various stakeholder meetings organized during RP5

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.

At national level, ECoE strengthened its collaboration with key public-sector organisations, including the **Limassol Municipality**, the **Limassol District Local Government Organisation (EOA Limassol)**, the **Ministry of Agriculture, Rural Development and Environment**, the **Department of Meteorology**, the **Cyprus Shipping Chamber**, and various governmental bodies involved in environment, agriculture, maritime affairs, and digital transformation. These interactions supported the development of practical applications and services based on EO, GIS, Artificial Intelligence, and geospatial technologies, while facilitating the uptake of research outputs by public authorities.

At international level, ECoE engaged extensively with diplomatic missions and strategic international stakeholders. High-level meetings were organised with representatives of the **Embassy of France**, **Embassy of Italy**, **High Commission of India**, **Embassy of the United Arab Emirates**, as well as delegations from the European Parliament, and various international organisations. These activities contributed to strengthening science diplomacy, expanding international cooperation, and creating new opportunities for research, innovation, technology transfer, and business collaboration.



Figure 41: Photos from the visit by the Federal Minister of State for EU Affairs of Germany

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 41), 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 incubation programme, facilitated connections with German industry and innovation stakeholders, and supported the organisation of the high-level forum "From Space to Solutions".

In addition, particularly noteworthy was the expansion of ECoE's network within the international space sector through engagements with organisations such as the **Italian Space Agency (ASI)**, **IN-SPACe**, the **Egyptian Space Agency (EgSA)**, **Pixxel Space**, **Axiom Space**, **Airbus**, ESA BIC representatives, and other stakeholders participating in events such as the EU Space Days 2026, the General Assembly of the EU Space Networks 2026, the Space to Solutions Forum, and the 1st India-Cyprus Space Day. These engagements directly supported ECoE's strategic objective of strengthening its role within the European and global space ecosystem.

The Centre also significantly expanded its engagement with industry and innovation stakeholders through meetings with organisations such as **PwC Cyprus**, **Infocredit Group**, **SignalGeneriX**, **Totalserve Group**, **EUROGATE Container Terminal Limassol**, **AZO – Space of Innovation**, and various European and international business associations.

Overall, the results achieved during RP5 demonstrate substantial progress for KPI **S04**. The large number of stakeholder meetings, institutional engagements, international networking activities, and partnerships established across Cyprus, Europe, the EMMENA region, and beyond have significantly strengthened ECoE's collaborative network. Beyond the quantitative achievements, the quality and strategic relevance of these interactions are particularly important, as they have contributed to the creation of long-term partnerships, enhanced technology transfer opportunities, strengthened science diplomacy efforts, and expanded the potential for future collaborative projects, services, and innovation activities.

4.16.3 Public Outreach

Finally, through a broad portfolio of outreach, educational, public engagement, and science communication activities, ECoE continued to foster interaction with citizens, schools, local communities, media organisations, and civil society stakeholders, supporting the development of a stronger scientific culture and increasing awareness of the societal value of research and innovation.



Figure 42: Photos from ECoE's participation in the European Researchers' Night 2025

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 43: Photos from ECoE's participation in the European Researchers' Night 2026

During RP5, ECoE implemented **close to 60 outreach activities targeting non-academic audiences**, substantially contributing to KPI **S09**. These activities included public awareness events, science festivals, school visits, researcher-in-school initiatives, media appearances, public lectures, citizen engagement activities, educational workshops, and participation in major national and European

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.

awareness campaigns. The activities were designed to make scientific knowledge more accessible, increase public understanding of EO technologies, encourage participation in science, and promote responsible research and innovation principles. A detailed list of the activities implemented during RP5 is available in **Annex V**.

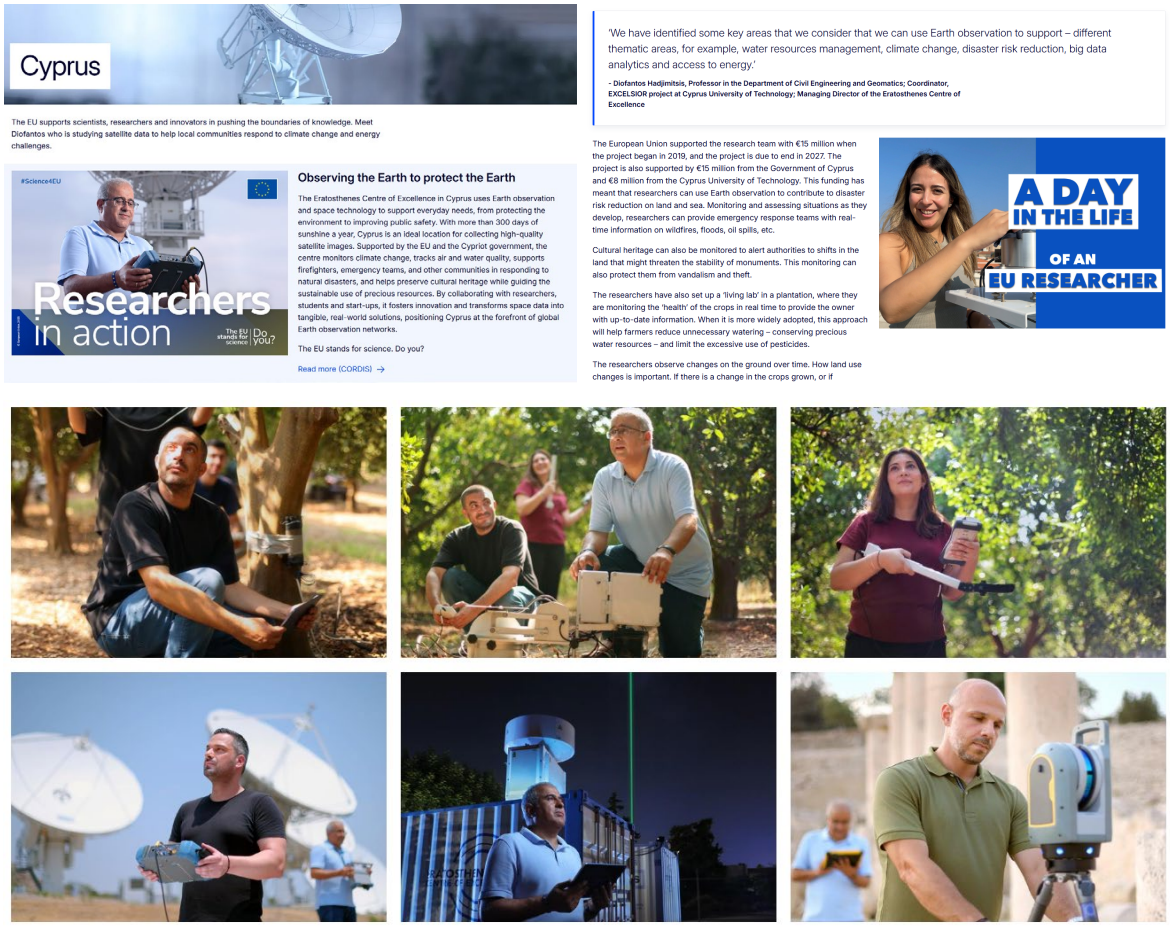


Figure 44: Pictures from the Science4EU campaign

Particular emphasis was placed on engaging younger generations. Through initiatives such as Researchers at Schools and open lab days, support to student competitions, and a series of educational activities, ECoE directly engaged hundreds of primary and secondary school students. These activities introduced participants to EO, environmental monitoring, cultural heritage, climate change, remote sensing, and space technologies through interactive demonstrations, hands-on exercises, storytelling approaches, and practical scientific applications. By exposing students to cutting-edge research and innovation, the Centre contributed to strengthening interest in STEM disciplines and inspiring future generations of scientists and innovators.

ECoE also maintained a strong presence in national and European public engagement initiatives. Participation in **European Researchers' Night 2025 and 2026**, **Europe Day**, **Erasmus Days**, and various

science fairs and exhibitions created direct opportunities for interaction with citizens, families, students, teachers, and community organisations. These events enabled ECoE to showcase practical applications of EO and space technologies in areas such as environmental monitoring, climate resilience, natural disaster management, agriculture, cultural heritage protection, and sustainable development.

Media outreach represented an additional important component of ECoE's engagement strategy. During RP5, ECoE researchers and management participated in numerous television interviews, radio programmes, podcasts, newspaper articles, and online media features. These appearances addressed topics including wildfire monitoring, atmospheric dust events, satellite technologies, EO applications, climate resilience, precision agriculture, innovation, entrepreneurship, and the development of Cyprus's emerging space ecosystem. Through these activities, ECoE significantly expanded the reach of its scientific work beyond academic audiences and contributed to raising awareness of the benefits of research and innovation for society.

A particular highlight during RP5 was the selection of EXCELSIOR to be featured in the **European Commission's Science4EU campaign**, a flagship initiative showcasing research and innovation projects delivering measurable societal impact (Figure 44). ECoE's inclusion 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.

Another RP highlight was the selection of ECoE to organise the **CASSINI Space Camp 2026 in Cyprus**, further strengthening the Centre's role in space education, youth engagement and STEM capacity building. The Camp will take place in Troodos from 3 to 9 May 2027 and will bring together students aged 14-18 from EU Member States and associated countries for a week of lectures, educational games, site visits and interactive learning activities. Its multidisciplinary programme will be implemented with contributions from ECoE researchers and external partners, including UNESCO, CYTA, the Department of Electronic Communications (Cyprus Space Office), the Cyprus Children's Parliament, the Limassol Chamber of Commerce and Industry, the Troodos Observatory, the Cyprus University of Technology and the Limassol Tourism Board. The selection of ECoE represents an important recognition of its growing capacity to coordinate European-level educational initiatives and promote awareness of EO and space technologies among younger generations.

Overall, the extensive outreach programme implemented during RP5 demonstrates ECoE's commitment to responsible research and innovation and its role in fostering a stronger connection between science and society. Through sustained engagement with citizens, students, educators, public authorities, and community stakeholders, the Centre contributed significantly to increasing scientific literacy, promoting awareness of EO technologies, encouraging stakeholder participation, and supporting the adaptation of society to emerging digital, geospatial, and space-based technologies. The substantial number of outreach activities delivered during the reporting period confirms the successful achievement of KPI **S09** and highlights ECoE's growing societal impact within Cyprus and the wider EMMENA region.

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.

5 Conclusions

The results presented throughout this report demonstrate the continued maturation of ECoE and confirm its successful evolution into a recognised research and innovation organisation with growing scientific excellence, international visibility, operational capacity, and societal relevance.

RP5 was marked by several important milestones that significantly strengthened the Centre's long-term sustainability and impact. These include the full operationalisation of DAS, the establishment of the EarthView joint venture with CYTA and the transition of GBS/CARO towards scientific and operational maturity through continuous atmospheric observations, EarthCARE Cal/Val activities, advanced data processing and international network integration. The integration of ECoE's infrastructure into European and international networks has also continued expanding, including through ACTRIS, CAMS and BSRN. Another RP5 achievement was the signing of the contract for the construction of ECoE's new headquarters, which entered the construction phase, with expected delivery in 04/2027. Another particularly important highlight was the approval of a national Performance-Based Funding Mechanism for Teaming Centres of Excellence, providing a structured funding pathway and supporting ECoE's long-term sustainability post-EXCELSIOR.

From a human capital perspective, ECoE continued to expand its workforce, surpassing key employment targets while investing significantly in training, secondments, postgraduate education, internships, and professional development activities. The Centre now possesses a critical mass of highly qualified researchers and technical personnel capable of supporting advanced research, innovation, and service provision activities across its thematic areas. In addition, the approval of three new HR frameworks in RP5 constituted a major step forward for the Centre, providing the foundations for a modern and integrated HR management system, aligned with international good practices and the principles of the HR Excellence in Research award.

During RP5, ECoE's collaboration with the EXCELSIOR strategic partners continued to generate substantial benefits through capacity-building activities, researcher secondments, joint research initiatives, and the implementation of Research Capacity Demonstration projects. These activities enabled the transfer of advanced scientific knowledge, methodologies, operational practices, and technical expertise to ECoE personnel, while facilitating access to world-class research infrastructures and international scientific networks. Beyond the direct training benefits, these collaborations contributed to the development of joint scientific publications, competitive research proposals, new services and applications, and strengthened ECoE's research excellence across its thematic areas.

The scientific performance of the Centre has also continued to improve. RP5 represented the most productive reporting period to date in terms of scientific publications, citations, conference participation, and international collaborations. Research outputs are increasingly appearing in highly ranked journals, while citation indicators and international recognitions provide evidence of the growing influence and visibility of ECoE researchers within the global scientific community. Although some publication- and citation-related KPIs remain below their final quantitative targets, substantial

progress has been achieved and the quality, impact, and international recognition of the research produced demonstrate that the underlying objectives of scientific excellence are being successfully realised.

The Centre also continued to demonstrate a strong capacity to attract competitive research funding. By the end of RP5, ECoE had submitted 403 research and innovation proposals, securing funding for 69 projects and achieving an overall proposal success rate of approximately 22%. Particularly noteworthy is ECoE's performance in Horizon Europe, where the Centre consistently maintained a success rate close to 22%, exceeding the programme-wide average success rate of approximately 14%. These results highlight the scientific excellence, competitiveness, and growing reputation of ECoE within the European research landscape, while providing important financial resources to support its long-term sustainability and growth.

Innovation, entrepreneurship, and stakeholder engagement activities also expanded considerably during RP5. The continued development of commercially exploitable applications and services, the progress achieved in intellectual property protection, the launch of startup incubation activities through Space BIC, the engagement with the widerAdvance Facility to further strengthen the exploitation readiness of ECoE's Key Exploitable Results, and the strengthening of partnerships with public authorities, industry, SMEs, academia, and international organisations have significantly increased ECoE's innovation capacity and societal relevance. Equally important has been the Centre's contribution to professional training, public outreach, science communication, and policy support activities, further strengthening its role as a trusted source of expertise and innovation.

RP5 was also marked by a major strategic achievement for both Cyprus and ECoE through Cyprus's accession as **ESA Associate Member**. This milestone significantly enhances the opportunities to participate in ESA programmes and industrial activities. For ECoE, ESA Associate Membership creates new pathways for scientific collaboration, technology development, entrepreneurship, and commercialisation, while strengthening the Centre's role within the European space ecosystem. The establishment of ***Space BIC by ERATOSTHENES CoE***, the preparatory activities towards **ESA BIC Cyprus**, and the growing engagement with European and international space stakeholders position the Centre to capitalise on these opportunities and further expand its contribution to the space and EO sectors.

Overall, the KPI assessment indicates that the majority of the project's targets have already been achieved or exceeded, while the remaining indicators continue to show positive growth trajectories. More importantly, beyond the quantitative assessment of individual KPIs, the evidence presented in this report demonstrates that EXCELSIOR has successfully delivered substantial scientific, organisational, innovation, economic, and societal impacts. ECoE has evolved into a mature, internationally recognised research and innovation organisation, equipped with world-class infrastructure, strong human capital, a growing innovation ecosystem, and an expanding network of strategic partnerships.

As EXCELSIOR enters its final implementation period, the focus will be on consolidating these achievements and further strengthening the Centre's long-term sustainability, ensuring that the

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.

investments made through the project continue to generate lasting benefits for Cyprus, Europe, and the wider EMMENA region well beyond the project's completion.

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.

Annexes

Annex I – Journal Articles and Conference Proceedings published during RP5

Table 25: Journal Articles published during RP5

Journal Articles			
No.	**Title**	**Publication Date**	**Citation**
1	Remote-Sensing-Based Prioritization of Post-Fire Restoration Actions in Mediterranean Ecosystems: A Case Study in Cyprus	02/04/2025	Prodromou, M.; Gitas, I.; Mettas, C.; Tzouvaras, M.; Themistocleous, K.; Konstantinidis, A.; Pamboris, A.; Hadjimitsis, D. Remote-Sensing-Based Prioritization of Post-Fire Restoration Actions in Mediterranean Ecosystems: A Case Study in Cyprus. Remote Sens. 2025, 17, 1269. https://doi.org/10.3390/rs17071269
2	Probabilistic assessment of flood susceptibility via a coparticipative multicriteria decision analysis	14/04/2025	Panagiotou, C.F., Feloni, E., Aristidou, K. et al. Probabilistic Assessment of Flood Susceptibility via a Coparticipative Multicriteria Decision Analysis. Environ. Process. 12, 22 (2025). https://doi.org/10.1007/s40710-025-00766-2
3	A Holistic High-Resolution Remote Sensing Approach for Mapping Coastal Geomorphology and Marine Habitats	17/04/2025	Evagorou E, Hasiotis T, Petsimeris IT, Monioudi IN, Andreadis OP, Chatzipavlis A, Christofi D, Kountouri J, Stylianou N, Mettas C, et al. A Holistic High-Resolution Remote Sensing Approach for Mapping Coastal Geomorphology and Marine Habitats. Remote Sensing. 2025, 17, 8, 1437. https://doi.org/10.3390/rs17081437
4	A Participatory GIS-based Multicriteria Decision Analysis Approach to Map the Geospatial Feasibility of Managed Aquifer Recharge in a Tunisian Coastal Watershed	25/04/2025	Chekirbane, A., Khemiri, K., Martins, T. N., Stefan, C., & Panagiotou, C. F., A Participatory GIS-based Multicriteria Decision Analysis Approach to Map the Geospatial Feasibility of Managed Aquifer Recharge in a Tunisian Coastal Watershed. Environ. Process. 2025, 12, 28. https://doi.org/10.1007/s40710-025-00769-z
5	A Review of Open Remote Sensing Data with GIS, AI, and UAV Support for Shoreline Detection and Coastal Erosion Monitoring	25/04/2025	Christofi D, Mettas C, Evagorou E, Stylianou N, Eliades M, Theocharidis C, Chatzipavlis A, Hasiotis T, Hadjimitsis D. A Review of Open Remote Sensing Data with GIS, AI, and UAV Support for Shoreline Detection and Coastal Erosion Monitoring. Applied Sciences. 2025, 15, 9, 4771.
6	Leveraging quality improvement initiatives to support development of decision support tools in healthcare	05/05/2025	Viana, J., Vasilakis, C., & Stylianou, N. (2025). Leveraging quality improvement initiatives to support development of decision support tools in healthcare. Health Systems 2025, 1-14. https://doi.org/10.1080/20476965.2025.2500285
7	Calibration of Two X-Band Ground Radars Against GPM DPR Ku-Band	14/05/2025	Loulli E, Michaelides S, Bühl J, Loukas A, Hadjimitsis D. Calibration of Two X-Band Ground Radars Against GPM DPR Ku-Band. Remote Sensing. 2025, 17, 10, 1712. https://doi.org/10.3390/rs17101712
8	Assessment of the groundwater quality status of the phreatic aquifer in Grombalia (Tunisia) for irrigation via geostatistical modeling	16/05/2025	Panagiotou, C.F., Mellah, T., Baccouche, H., Eliades, M., Mansouri, L., Stylianou, M., Stathopoulos, N., Jarray, H., & Akrout, H. (2025). Assessment of the groundwater quality status of the phreatic aquifer in Grombalia (Tunisia) for irrigation via geostatistical modeling. Environmental Science and Pollution Research International 2025, 32, 14020-14036.
9	Innovative methods for safeguarding cultural heritage	31/05/2025	Themistocleous, K., Innovative methods for safeguarding cultural heritage. Italian Journal of Engineering Geology and Environment 2025, 123-132. https://doi.org/10.4408/IJEGE.2025-01.S-09

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.

Journal Articles			
No.	**Title**	**Publication Date**	**Citation**
10	Machine learning-based approach coupled to SWAT model to dynamically quantify the natural groundwater recharge	02/06/2025	Khemiri K., Chekirbane A., Panagiotou C., Stefan C., Machine learning-based approach coupled to SWAT model to dynamically quantify the natural groundwater recharge, International Journal of Hydrology Science and Technology 2025, 19:4, 431-459, https://doi.org/10.1504/IJHST.2025.146515
11	Ecology and population assessment of Megachile cypricola Mavromoustakis, 1938 (Hymenoptera, Megachilidae), a threatened bee endemic to Cyprus	02/06/2025	Santerre R., Benrezkallah J., Varnava A., Michez D., Stavrinides M., Ecology and population assessment of Megachile cypricola Mavromoustakis, 1938 (Hymenoptera, Megachilidae), a threatened bee endemic to Cyprus. J Insect Conserv. 2025, 29, 45. https://doi.org/10.1007/s10841-025-00679-3
12	Water Use Dynamics of Drought-Tolerant Coniferous Trees (Pinus brutia and Cupressus sempervirens) in a Semi-Arid Environment	05/06/2025	Djuma, H., Eliades, M., Zoumides, C. and Bruggeman, A., Water Use Dynamics of Drought-Tolerant Coniferous Trees (Pinus brutia and Cupressus sempervirens) in a Semi-Arid Environment. Ecohydrology 2025, 18: e70056. https://doi.org/10.1002/eco.70056
13	Profiling the Current Curriculum of Land Use Planning and Management Practices in the EU	12/06/2025	Koumoulidis, D., Varvaris, I., Hadjimitsis, D., Gabriele, M., Brumana, R., Gitas, I., Georgopoulos, N., Abdollahnejad, A., Gkounti, E., Stavrakoudis, D., Caniani, D., Dorosh, A. Derkulskyi, R., Sakal, O., Ilbatullin, S. Khan, Y. Melnyk, O., Fromage, A. M., TTondriaux, M. PerkoPerkowsk, AczSieczka, Aaciejczak, M., Profiling the Current Curriculum of Land Use Planning and Management Practices in the EU. Preprints 2025. https://doi.org/10.20944/preprints202504.2390.v1
14	Profiling Land Use Planning: Legislative Structures in Five European Nations	12/06/2025	Koumoulidis D, Varvaris I, Hadjimitsis D, Gabriele M, Brumana R, Gitas I, Georgopoulos N, Abdollahnejad A, Gkounti E, Stavrakoudis D, et al. Profiling Land Use Planning: Legislative Structures in Five European Nations. Land. 2025; 14, 6, 1261. https://doi.org/10.3390/land14061261
15	Tamarixia citricola Hansson and Guerrieri sp. nov. (Hymenoptera: 5 Eulophidae): a new parasitoid of Diaphorina citri Kuwayamava (Hemiptera: 6 Psyllidae) found during a classical biological control program in Cyprus	21/06/2025	Alberto Urbaneja, Meritxell Perez-Hedo, Nicos Seraphides, Anthemis Melifronidou-Pantelidou, Stalo Giallouridou, Lia Markou, Menelaos C. Stavrinides, Chrysos Kaponas, Omar Ruiz-Rivero, David J.W. Morgan, Christer Hansson, Mark S. Hoddle, Alejandro Tena, Emilio Guerrieri, Tamarixia citricola Hansson and Guerrieri sp. nov. (Hymenoptera: Eulophidae): a new parasitoid of Diaphorina citri Kuwayamava (Hemiptera: Psyllidae) found during a classical biological control program in Cyprus, bioRxiv 2025.06.16.660002. https://doi.org/10.1101/2025.06.16.660002
16	Comparative Analysis of Supervised Machine Learning Algorithms for Forest Habitat Mapping in Cyprus	30/06/2025	Prodromou, M., Gitas, I., Mettas, C., Tzouvaras, M., Danezis, C., & Hadjimitsis, D., Comparative Analysis of Supervised Machine Learning Algorithms for Forest Habitat Mapping in Cyprus. Sustainability 2025, 17, 13, 6021. https://doi.org/10.3390/su17136021
17	Air Temperature Extremes in the Mediterranean Region (1940–2024): Synoptic Patterns and Trends	13/07/2025	Kotsias, G., & Lolis, C. J., Air Temperature Extremes in the Mediterranean Region (1940–2024): Synoptic Patterns and Trends. Atmosphere 2025, 16(7), 852. https://doi.org/10.3390/atmos16070852
18	Shoreline Change Assessment in Varosha, Famagusta, Cyprus: A Case Study of a Ghost Town Using Aerial	14/07/2025	Theocharidis, C., Eliades, M., Themistocleous, K., Neocleous, K., Kontoes, C., & Hadjimitsis, D., Shoreline Change Assessment in Varosha, Famagusta, Cyprus: A Case Study of a Ghost Town Using Aerial Photographs and Very High-

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.

Journal Articles			
No.	**Title**	**Publication Date**	**Citation**
	Photographs and Very High-Resolution Satellite Data (1963–2024)		Resolution Satellite Data (1963–2024). ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences 2025, 879-884.
19	Marine Sand Borrows in Western Cyprus: Distribution and Potential Prospects	18/07/2025	Hasiotis, T., Petsimeris, I., Chtouris, N.-K., Andreadis, O., Velegrakis, A., & Mettas, C., Marine Sand Borrows in Western Cyprus: Distribution and Potential Prospects. Journal of Coastal Research, 113, 80-84. https://www.jstor.org/stable/48835624
20	Eradication campaign for Diaphorina citri in Cyprus	27/07/2025	Melifronidou-Pantelidou, A., Urbaneja, A., Tena, A., Seraphides, N., Stavrinides, M., Koukkoularidou, D. & Georgiades M., Eradication campaign for Diaphorina citri in Cyprus. EPPO Bulletin 2025, 55, 305–311. https://doi.org/10.1111/epp.13096
21	Assessment of soil erosion risk in cultural heritage sites: A bibliometric analysis	30/07/2025	Papageorgiou, N., Hadjimitsis, D., Danezis, C., & Lasaponara, R., Assessment of Soil Erosion Risk in Cultural Heritage Sites: A Bibliometric Analysis. Heritage 2025, 8(8), 307. https://doi.org/10.3390/heritage8080307
22	Remote Sensing-Based Mapping of Soil Health Descriptors Across Cyprus	17/08/2025	Varvaris, I., Pittaki, Z., Themistokleous, G., Koumoulidis, D., Ouerfelli, D., Eliades, M., Themistocleous, K., & Hadjimitsis, D., Remote Sensing-Based Mapping of Soil Health Descriptors Across Cyprus. Environments 2025, 12(8), 283. https://doi.org/10.3390/environments12080283
23	The Faunal Remains of Qornet ed-Deir (2019–2020)	01/09/2025	Mardini M. The faunal remains of Qornet ed-Deir (2019–2020). Bull Archéol Archit Liban (BAAL) 2025, 1-6
24	Educational Interventions for Contemplating and Raising Awareness of Urban Heat Island and Relevance of Remote Sensing	15/09/2025	Soteriades, C., Michaelides, S., Agapiou, A., & Hadjimitsis, D., Educational Interventions for Contemplating and Raising Awareness of Urban Heat Island and Relevance of Remote Sensing. Sustainability 2025, 17(18), 8279. https://doi.org/10.3390/su17188279
25	Response of mixed-phase cloud microphysics to aerosol perturbations at the contrasting sites of Limassol, Cyprus, and Punta Arenas, Chile	29/09/2025	He Y., Seifert P., Jimenez C., Radenz M., Ansmann A., Bühl J., Mamouri R., Barja González B., Response of mixed-phase cloud microphysics to aerosol perturbations at the contrasting sites of Limassol, Cyprus, and Punta Arenas, Chile. Journal of Geophysical Research: Atmospheres 2025, 130, e2024JD043157. https://doi.org/10.1029/2024JD043157
26	PlantBi(bli)oArch: An open access archaeobotanical bibliographic database for the Central and Eastern Mediterranean and Middle East	01/10/2025	Koullouros P, Mardini M, Margaritis E, Nikita E. PlantBi(bli)oArch: An open access archaeobotanical bibliographic database for the Central and Eastern Mediterranean and Middle East. J Archaeol Sci Rep. 2025, 66:105227.
27	Coastal Vulnerability Index Assessment Along the Coastline of Casablanca Using Remote Sensing and GIS Techniques	06/10/2025	Muzirafuti, A., & Theocharidis, C., Coastal Vulnerability Index Assessment Along the Coastline of Casablanca Using Remote Sensing and GIS Techniques. Remote Sensing 2025, 17(19), 3370. https://doi.org/10.3390/rs17193370
28	Editorial for Special Issue "Remote Sensing of Precipitation Extremes"	11/10/2025	Sharifi E, Michaelides S, Levizzani V. Editorial for Special Issue "Remote Sensing of Precipitation Extremes". Remote Sensing. 2025; 17(20):3406. https://doi.org/10.3390/rs17203406
29	Seagrass Mapping in Cyprus Using Earth Observation Advances	31/10/2025	Makri, D., Christofilakos, S., Poursanidis, D., Traganos, D., Mettas, C., Stylianou, N. and Hadjimitsis, D., Seagrass Mapping in Cyprus Using Earth Observation Advances. Remote Sens. 2025, 17, 3610. https://doi.org/10.3390/rs17213610

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.

Journal Articles			
No.	**Title**	**Publication Date**	**Citation**
30	Open-access bioarchaeology resources for the Eastern Mediterranean and Middle East (EMME)	31/12/2025	Mardini M, Polyzou S, Lato L. Open-access bioarchaeology resources for the Eastern Mediterranean and Middle East (EMME). Bioarchaeology of the Near East. 2025, 18:39-62. https://doi:10.47888/bne-1803
31	Investigating the mechanisms of flood susceptibility with the use of multi-basin machine learning models in data-scarce environments in Cyprus	06/01/2026	Panagiotou, C. F., Guerrisi, G., De Santis, D., Del Frate, F., & Tzouvaras, M., Investigating the mechanisms of flood susceptibility with the use of multi-basin machine learning models in data-scarce environments in Cyprus. Journal of Hydrology: Regional Studies 2026, 63, 103075.
32	Optimized spectral indices for global vegetation and water mapping using Sentinel-2	13/01/2026	Chrysostomou, C., Neophytides, S.P., Mavrovouniotis, M. et al. Optimized spectral indices for global vegetation and water mapping using Sentinel-2. Sci Rep 2026.
33	Land cover dynamics in Cyprus: land use transitions between 2000 and 2020 across a coastal buffer zone	26/01/2026	Koumoulidis, D., Mpormpoudakis, D., Varvaris, I., Kaskara, M., Kontoes, C., Hadjimitsis, D., Land cover dynamics in Cyprus: land use transitions between 2000 and 2020 across a coastal buffer zone, City and Environment Interactions 2026, 29, 100327. https://doi.org/10.1016/j.cacint.2026.100327.
34	Event-driven localization in wireless sensor networks: a machine learning approach: M. Iqbal et al.	09/02/2026	Iqbal, M., Waheed, S., Ali, I. et al. Event-driven localization in wireless sensor networks: a machine learning approach. J Supercomput 2026, 82, 139. https://doi.org/10.1007/s11227-026-08273-3
35	Graph-Based Pattern Restoration for Occlusion-Robust Human Pose Estimation in Crowded Scenes	10/02/2026	Iqbal M, Shah SZ, Ullah Z. Graph-Based Pattern Restoration for Occlusion-Robust Human Pose Estimation in Crowded Scenes. Algorithms. 2026, 19(2):142. https://doi.org/10.3390/a19020142
36	An IoT-assisted Alzheimer's disease patient monitoring system using adaptive deep learning models with recommendation about patient abnormality	16/02/2026	Mohan, R., Borugadda, P., Lavuri, N.R. et al. An IoT-assisted Alzheimer's disease patient monitoring system using adaptive deep learning models with recommendation about patient abnormality. J. Adv. Signal Process. 2026, 26. https://doi.org/10.1186/s13634-026-01301-7
37	Forests in a semi-arid climate die with a memory: satellite signals predict forest mortality years after drought	03/03/2026	Eliades F, Sarris D, Bachofer F, Michaelides S, Danezis C, Hadjimitsis D. Forests in a semi-arid climate die with a memory: satellite signals predict forest mortality years after drought. Journal of Forestry Research. 2026, 37(1). doi:10.1007/s11676-026-02016-z
38	A Holistic Framework for Flood Risk Assessment and Optimal Design of Mitigation Measures	07/03/2026	Kountouri J, Sigourou S, Pagana V, et al. A Holistic Framework for Flood Risk Assessment and Optimal Design of Mitigation Measures. Environmental Processes. 2026, 13(1):13. doi:10.1007/s40710-026-00818-1
39	Integration of clustering and principal component analyses in MCDA to identify feasible regions for managed aquifer recharge	18/03/2026	Constantinos F. Panagiotou, Tiago Martins, Catalin Stefan, Integration of clustering and principal component analyses in MCDA to identify feasible regions for managed aquifer recharge, Journal of Hydrology 2026, 672, 135316. https://doi.org/10.1016/j.jhydrol.2026.135316.
40	A Novel Building Metric for PlanetScope© Data optimization	20/03/2026	Morsy, M., Michaelides, S. and Dietrich, P., A Novel Building Metric for PlanetScope© Data optimization. Frontiers in Remote Sensing 2026, 7, p.1704067.
41	Cyprus Earth Observation Data Cube towards water resource management in the context of climate crisis	21/03/2026	Neophytides, S. P., Giuliani, G., Kontoes, C., Hadjimitsis, D. G., & Mavrovouniotis, M., Cyprus Earth Observation Data Cube towards water resource management in the context of climate crisis. Big Earth Data 2026, 1–28. https://doi.org/10.1080/20964471.2026.2646028

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.

Journal Articles			
No.	**Title**	**Publication Date**	**Citation**
42	Estimation of the Mean-to-Surface-Velocity Ratio in Shallow Streams with Rough Beds	21/04/2026	Mazi, K., Akylas, E., & Koussis, A. D., Estimation of the Mean-to-Surface-Velocity Ratio in Shallow Streams with Rough Beds. Water 2026, 18(8), 985. https://doi.org/10.3390/w18080985
43	Copula-based assessment of flood susceptibility in the island of Cyprus via stochastic multicriteria decision analysis	22/04/2026	"Panagiotou, C. F., Copula-based assessment of flood susceptibility in the island of Cyprus via stochastic multicriteria decision analysis, Science of The Total Environment 2025, 979, 179469, https://doi.org/10.1016/j.scitotenv.2025.179469.
44	Robust scheduling policy learning for ore-flow blending in dynamic and uncertain environments	14/05/2026	Tang, H., Li, C., Chen, G., Han, S., Mavrovouniotis, M., Li, M., Yuan, L., Robust scheduling policy learning for ore-flow blending in dynamic and uncertain environments, Computers & Operations Research 2026, 194, 107526. https://doi.org/10.1016/j.cor.2026.107526.
45	Microphysical and Compositional Differences Between Saharan and Middle Eastern Dust Revealed by UAS Observations	28/05/2026	Kezoudi, M., Papetta, A., Kandler, K., Ryder, C. L., Leonidou, A., Keleshis, C., Stopford, C., Thornberry, T., Mamouri, R.-E., Sciare, J., and Marenco, F.: Microphysical and Compositional Differences Between Saharan and Middle Eastern Dust Revealed by UAS Observations, Atmos. Chem. Phys. 2026, 26, 7361-7385. https://doi.org/10.5194/acp-26-7361-2026, 2026
46	Aerosol optical-to-microphysical conversion factors for lidars and ceilometers from extended AERONET data analyses: POLIPHON update	12/06/2026	Ansmann, A., Hofer, J., Mamouri, R.-E., Haarig, M., Baars, H., and Wandinger, U.: Aerosol optical-to-microphysical conversion factors for lidars and ceilometers from extended AERONET data analyses: POLIPHON update, Atmos. Meas. Tech. 2026, 19, 3801-3830. https://doi.org/10.5194/amt-19-3801-2026.
47	Land-use change and long-term socioeconomic outcomes: Studying over six decades of global data (1960–2023)	12/06/2026	Loginova, D., Mann, S., Hoidn, S., Varvaris, I., Land-use change and long-term socioeconomic outcomes: Studying over six decades of global data (1960–2023), Land Use Policy 2026, 169, 108155. https://doi.org/10.1016/j.landusepol.2026.108155.
48	A governance framework for managed aquifer recharge agreements in Mediterranean regions	15/06/2026	Ghannem, S., Bergillos, R. J., Paredes-Arquiola, J., Solera, A., Andreu, J., Leitão, T. E., Martins, T. N., Chekirbane, A., Khemiri, K., Panagiotou, C. F., Conrad, A., A governance framework for managed aquifer recharge agreements in Mediterranean regions, Groundwater for Sustainable Development 2026, 34, 101650. https://doi.org/10.1016/j.gsd.2026.101650.
49	Classical Biological Control of Diaphorina citri in Cyprus: High Parasitism, Population Suppression, and the First Record of the Hyperparasitoid, Marietta leopardina	25/06/2026	Urbaneja, A., M. Perez-Hedo, N. Seraphides, et al., Classical Biological Control of Diaphorina citri in Cyprus: High Parasitism, Population Suppression, and the First Record of the Hyperparasitoid, Marietta leopardina, Journal of Applied Entomology 2026, 1-11. https://doi.org/10.1111/jen.70136.
50	REDES 2.0: A pan-European rainfall erosivity dataset showing intensifying erosivity trends	04/07/2026	N Bezak, P Borrelli, L Cesarini, H Müller-Thomy, F Matthews, P Saggau, K Kaffas, L Liakos, J Brettin, C Ballabio, C Galdies, S Petan, D Valiukas, CP Giannaklis, K Lagouvardos, G Gomes, P Salamon, S Beguería, M Lakatos, M Perčec Tadić, I Lončar-Petrinjak, H Chervenkov, S Michaelides, P Panagos, REDES 2.0: A pan-European rainfall erosivity dataset showing intensifying erosivity trends, CATENA 2026, 272, 110393. https://doi.org/10.1016/j.catena.2026.110393.
51	Byzantine fortifications and their natural settings in crete: A geo-spatial analysis	10/07/2026	K Roussos, M Mardini, MC Salvi, Byzantine fortifications and their natural settings in crete: A geo-spatial analysis, Journal

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.

Journal Articles			
No.	**Title**	**Publication Date**	**Citation**
			of Archaeological Science: Reports 2026, 74, 105947. https://doi.org/10.1016/j.jasrep.2026.105947.
52	RootHairAreaFinder: an image processing method for quantifying barley root growth and root hairs simultaneously in a flat rhizotron system	12/07/2026	Themistokleous, G., Binnie, K., McKenzie, B.M. et al. RootHairAreaFinder: an image processing method for quantifying barley root growth and root hairs simultaneously in a flat rhizotron system. Plant Methods 2026. https://doi.org/10.1186/s13007-026-01564-z
53	Changes in cityscapes of the Late Antique Cyclades (4th – 6th c. AD)	15/07/2026	Roussos K., Changes in cityscapes of the Late Antique Cyclades (4th – 6th c. AD), Social Sciences & Humanities Open 2026, 14, 103258. https://doi.org/10.1016/j.ssaho.2026.103258.
54	X-ray Phase Contrast Imaging Capabilities for Biomedical Applications at the BEATS Beamline of the SESAME Synchrotron	27/07/2026	Hameed, F., Elizabeth New, Maher Sughayer, Yara Oweis, Christoforos Odiatis, and Charalambos Chrysostomou. X-ray Phase Contrast Imaging Capabilities for Biomedical Applications at the BEATS Beamline of the SESAME Synchrotron. Microscopy and Microanalysis 2026, 32, ozag053-972
55	Marine Oil Spill Monitoring using Sentinel1 Dual-Pol SAR Data: An Operational GEE Framework	05/08/2026	M. A. Iqbal, E. Kalogirou, C. Mettas, A. Anghel, D. Makri, and D. G. Hadjimitsis. "Marine Oil Spill Monitoring using Sentinel1 Dual-Pol SAR Data: An Operational GEE Framework". IEEE Geoscience and Remote Sensing Letter 2026. https://doi.org/10.1109/LGRS.2026.3720486
56	A Data-Driven Graph Neural Network Framework for Predicting Topological Indices of Unicyclic and Bicyclic Graphs	05/08/2026	N. Khan, M. Zeeshan, Y. Iqbal, M. Iqbal, M. A. Iqbal, and S. Aslam. "A Data-Driven Graph Neural Network Framework for Predicting Topological Indices of Unicyclic and Bicyclic Graphs". Algorithms 2026.
57	Quantifying vegetation recovery under different reforestation practices using time series analysis: a case study in Cyprus	20/08/2026	Prodromou M., Gitas I., Mettas C., Tzouvaras M., Hadjimitsis D., Quantifying vegetation recovery under different reforestation practices using time series analysis: a case study in Cyprus, Ecological Indicators 2026, 90, 115353, https://doi.org/10.1016/j.ecolind.2026.115353.
58	SeaScope: A Transparent and Reproducible LLM-Assisted Framework for Maritime Earth Observation Analysis	22/08/2026	Sekas C, Mavrofidopoulou L, Agathangelidis I, Cartalis C, Philippopoulos K, Mavroudis F, Neophytides SP, Mavrovouniotis M, Yfantidis I, Paterakis G. SeaScope: A Transparent and Reproducible LLM-Assisted Framework for Maritime Earth Observation Analysis. Remote Sensing. 2026, 18(17):2849. https://doi.org/10.3390/rs18172849
59	Ambulance Routing Optimization Problem with Patient Triage Priority	24/08/2026	Zambirinis, S.P., Anastasiadou, M.N., Kyriacou, E. et al. Ambulance Routing Optimization Problem with Patient Triage Priority. Int. J. ITS Res. 2026. https://doi.org/10.1007/s13177-026-00713-x
60	Uncertainty-aware MAR planning with spatially explicit data-driven weighting	01/09/2026	CF Panagiotou, T Martins, I Varvaris, M Eliades, C Stefan, Uncertainty-aware MAR planning with spatially explicit data-driven weighting, Science of The Total Environment, 1046, 2026, 181984. https://doi.org/10.1016/j.scitotenv.2026.181984
61	Source-dependent optical and mineral signatures of dust outbreaks over the Mediterranean	01/09/2026	Papetta, A., Herrero del Barrio, C., Aslanoğlu, S. Y., Chadoulis, R.-T., Charalampous, G., Herrero-Anta, S., Kouklaki, D., Mytilinaios, M., Moustaka, A., Proestakis, E., Amiridis, V., Spyrou, C., Gkikas, A., Pikridas, M., Kezoudi, M., Marenco, F., Sciare, J., Vandenbussche, S., Solomos, S., Kazadzis, S., and Fountoulakis, I.: Source-dependent optical and mineral

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.

Journal Articles			
No.	**Title**	**Publication Date**	**Citation**
			signatures of dust outbreaks over the Mediterranean, Atmos. Chem. Phys. 2026, 26, 12395–12434. https://doi.org/10.5194/acp-26-12395-2026, 2026.
62	Cloud Occurrence, Phase, and Vertical Structure in a Dust-Influenced Eastern Mediterranean Region: Observations from Limassol, Cyprus	02/09/2026	Kotsias G, Mamouri R-E, Nisantzi A, Seifert P, Ansmann A, Bühl J. Cloud Occurrence, Phase, and Vertical Structure in a Dust-Influenced Eastern Mediterranean Region: Observations from Limassol, Cyprus. Remote Sensing. 2026; 18(17):2976. https://doi.org/10.3390/rs18172976
63	Multi-Sensor Geometric Documentation of Cultural Heritage at Risk Across Inland, Coastal and Shallow-Water Environments	04/09/2026	Verykokou, S.; Ioannidis, C.; Potsiou, C.; Soile, S.; Tokmakidis, K.; Papadimitriou, K.; Tokmakidis, P.; Tourtas, A.; Martino, S.; Grechi, G.; et al. Multi-Sensor Geometric Documentation of Cultural Heritage at Risk Across Inland, Coastal and Shallow-Water Environments. Sensors 2026, 26, 5698. https://doi.org/10.3390/s26185698
64	Dust radiative effects and impact on energy production over the Mediterranean Basin (journal)	07/09/2026	Kouklaki, D., Charalampous, G., Moustaka, A., Papetta, A., Herrero del Barrio, C., Chadoulis, R.-T., Aslanoğlu, S. Y., Herrero-Anta, S., Mytilinaios, M., Papadimitriou, N., Anyfanti, K., Spyrou, C., Meloni, D., Fragkos, K., Derimian, Y., Di Iorio, T., Mamouri, R.-E., Amiridis, V., Solomos, S., Kazadzis, S., and Fountoulakis, I.: Dust radiative effects and impact on energy production over the Mediterranean Basin, Atmos. Meas. Tech., 19, 5633–5657, https://doi.org/10.5194/amt-19-5633-2026, 2026.
65	Characterization of Saharan and Middle Eastern dust aerosols and their associated shortwave direct radiative effects over Cyprus	10/09/2026	Charalampous, G., Fragkos, K., Fountoulakis, I., Papachristopoulou, K., Moustaka, A., Marenco, F., Derimian, Y., Nisantzi, A., Mamouri, R.-E., Hadjimitsis, D., and Kazadzis, S.: Characterization of Saharan and Middle Eastern dust aerosols and their associated shortwave direct radiative effects over Cyprus, Atmos. Meas. Tech., 19, 5753–5783, https://doi.org/10.5194/amt-19-5753-2026, 2026.
66	Geophysical Investigations at Ancient Pistyros in Northern Greece	08/09/2026	Tsokas G, Papadopoulos S, Tsourlos P, Vargemezis G, Karamitrou A, Fikos I, Stylianou T, Giannopoulos A. Geophysical investigations at Ancient Pistyros in Northern Greece. Heritage. 2026;9(9):359. doi:10.3390/heritage9090359.
67	RIF-YOLO-N: Lightweight P3 Residual Identity Fusion with Resolution-Guided Fine-Tuning for Tiny-Object Detection	17/09/2026	Iqbal, M.; Khalid, B.; Shah, S.Z.; Sarfraz, M.; Munir, K.; Ullah, Z. RIF-YOLO-N: Lightweight P3 Residual Identity Fusion with Resolution-Guided Fine-Tuning for Tiny-Object Detection. J. Imaging 2026, 12, 450. https://doi.org/10.3390/jimaging12090450

Table 26: Conference Papers published during RP5

Conference Papers			
No.	**Title**	**Publication Date**	**Citation**
1	Evaluating Carbon Farming Practices for Sustainable Soil Management in Citrus Cultivation	08/05/2025	Nikolaou E., Christoforou M., Dimitriadi S., Efstathiou S., Eliades M., Hadjimitsis D., Neofytou E., Papadavid G., Stavrinides M, Tzouvaras M., Varvaris I., Papoutsa C., "Evaluating carbon farming practices for sustainable soil management in citrus cultivation," Proc. SPIE 13816, Eleventh International Conference on Remote Sensing and

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.

Conference Papers			
No.	**Title**	**Publication Date**	**Citation**
			Geoinformation of the Environment (RSCy2025), 138161P (19 September 2025); https://doi.org/10.1117/12.3075508
2	Feasible Regions Identification based on Historical Solutions for Constrained Optimization Problems	24/06/2025	M. Shan, C. Li, M. Peng, X. Liu, M. Mavrovouniotis and S. Yang, "Feasible Regions Identification based on Historical Solutions for Constrained Optimization Problems," 2025 IEEE Congress on Evolutionary Computation (CEC), Hangzhou, China, 2025, pp. 1-8, doi: 10.1109/CEC65147.2025.11043100.
3	Oil Spill Detection using Convolutional Neural Networks and Sentinel-1 SAR Imagery	28/07/2025	Kalogirou, E., Christofi, K., Makri, D., Iqbal, M. A., La Pegna, V., Tzouvaras, M., Mettas, C., and Hadjimitsis, D.: Oil Spill Detection using Convolutional Neural Networks and Sentinel-1 SAR Imagery, Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XLVIII-G-2025, 757–764, https://doi.org/10.5194/isprs-archives-XLVIII-G-2025-757-2025, 2025.
4	The contribution of remote sensing for the development of a Green-Holistic IoT Platform for Forest Management and Monitoring: Reforestation and Deforestation …	31/07/2025	Prodromou, M., Tzouvaras, M., Mettas, C., Konstantinidis, A., Pamboris, A., Iasonos, I., and Hadjimitsis, D.: The contribution of remote sensing for the development of a Green-Holistic IoT Platform for Forest Management and Monitoring: Reforestation and Deforestation Modules, Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XLVIII-G-2025, 1215–1222, https://doi.org/10.5194/isprs-archives-XLVIII-G-2025-1215-2025, 2025.
5	Synergistic use of ground-based multi-instrument platforms and satellite recordings to investigate the aerosol-cloud-dynamic interaction in Cyprus	31/07/2025	Panahifar, H., Poutli, M., Kotsias, G., Nisantzi, A., Michaelides, S., Hadjimitsis, D., Seifert, P., Ansmann, A., and Mamouri, R.-E.: Synergistic use of ground-based multi-instrument platforms and satellite recordings to investigate the aerosol-cloud-dynamic interaction in Cyprus, Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XLVIII-G-2025, 1153–1158, https://doi.org/10.5194/isprs-archives-XLVIII-G-2025-1153-2025, 2025.
6	Integration of Earth Observation and Geospatial Datasets for the Development of a National Multi-hazard Risk Assessment in Cyprus	01/08/2025	Tzouvaras, M., Panagiotou, C., Kyriakides, N., Prodromou, M., Vasiliou, P., Doukanari, M., Fotiou, K., and Hadjimitsis, D.: Integration of Earth Observation and Geospatial Datasets for the Development of a National Multi-hazard Risk Assessment in Cyprus, Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XLVIII-G-2025, 1485–1491, https://doi.org/10.5194/isprs-archives-XLVIII-G-2025-1485-2025, 2025.
7	Monitoring cultural heritage sites at risk using citizen engagement through crowdsourcing	01/08/2025	Themistocleous, K., Evripidou, V., and Toumbas, K.: Monitoring cultural heritage sites at risk using citizen engagement through crowdsourcing, Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XLVIII-G-2025, 1435–1440, https://doi.org/10.5194/isprs-archives-XLVIII-G-2025-1435-2025, 2025.
8	Identifying Unhealthy Islands in Urban Areas due to Spatial Overlap of High Temperatures and Air Pollution	07/08/2025	De Santis D, Settembre D, Cappelli D, Tzouvaras M, Schiavon G, Del Frate F. Identifying Unhealthy Islands in Urban Areas due to Spatial Overlap of High Temperatures and Air Pollution. InIEEE International Geoscience and Remote Sensing Symposium 2025 Aug 7.

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.

Conference Papers			
No.	**Title**	**Publication Date**	**Citation**
9	Preliminary Evaluation of The Cyprus Erythemal Irradiance Forecasting System	14/08/2025	Charalampous, G., Fragkos, K., Nisantzi, A., Fountoulakis, I., Papachristopoulou, K., Hadjimitsis, D., & Kazadzis, S. Preliminary Evaluation of The Cyprus Erythemal Irradiance Forecasting System. IOP Conference Series: Earth and Environmental Science, 1522(1), 012038. https://doi.org/10.1088/1755-1315/1522/1/012038, 2025
10	Physicochemical-Based Deep Learning for Allergenicity Prediction	20/08/2025	Chrysostomou, C. (2026). Physicochemical-Based Deep Learning for Allergenicity Prediction. In: Cafolla, D., Rittman, T., Ni, H. (eds) Artificial Intelligence in Healthcare. AIiH 2025. Lecture Notes in Computer Science, vol 16038. Springer, Cham. https://doi.org/10.1007/978-3-032-00652-3_28
11	A Data Fusion Approach to Enhance Satellite Precipitation Product Using Ground-Based Radar	28/08/2025	Cappelli, D., Petracca, I., Del Frate, F., & Tzouvaras, M. (2025, August). A Data Fusion Approach to Enhance Satellite Precipitation Product Using Ground-Based Radar. In IEEE International Geoscience and Remote Sensing Symposium.
12	Comparison of Novel, Classical and Developed AI Techniques for SAR Oil Spill Detection	02/09/2025	Iqbal, M. A., Kalogirou, E., Makri, D., Mettas, C., Tzouvaras, M., & Hadjimitsis, D. G. (2025, September). Comparison of Novel, Classical and Developed AI Techniques for SAR Oil Spill Detection. In International Conference on Machine Intelligence for Geoanalytics and Remote Sensing.
13	Bridging the skills gap in remote sensing and GIS: insights from the ReSENSE project	19/09/2025	Prodromou M., Gkounti E., Gitas I., Georgopoulos N., Georgiou G., Georgiou F., Kyprianou M., Hadjimitsis D., "Bridging the skills gap in remote sensing and GIS: insights from the ReSENSE project," Proc. SPIE 13816, Eleventh International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2025), 138161T (19 September 2025); https://doi.org/10.1117/12.3075521
14	HETEAC-Flex model: comparative evaluation of six forward model configurations for dust cases using ground-based Lidar observations in Limassol	19/09/2025	Savva A., Nisantzi A., Poutli M., Ansmann A., Hadjimitsis D., Mamouri R., "HETEAC-Flex model: comparative evaluation of six forward model configurations for dust cases using ground-based Lidar observations in Limassol," Proc. SPIE 13816, Eleventh International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2025), 1381619 (19 September 2025); https://doi.org/10.1117/12.3073308
15	Deep-learning-based grassland mapping with Sentinel-2: prioritizing key spectral bands and time periods	19/09/2025	Christofi K., Chrysostomou C., Tsardanidis I., Mavrovouniotis M., Kontoes C., Hadjimitsis D. "Deep-learning-based grassland mapping with Sentinel-2: prioritizing key spectral bands and time periods", Proc. SPIE 13816, Eleventh International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2025), 1381610 (19 September 2025); https://doi.org/10.1117/12.3073215
16	Drought monitoring in Cyprus via the integration of hydrological, meteorological, and satellite data	19/09/2025	Georgiou S., Panagiotou C., Hadjimitsis D. "Drought monitoring in Cyprus via the integration of hydrological, meteorological, and satellite data", Proc. SPIE 13816, Eleventh International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2025), 138161Y (19 September 2025); https://doi.org/10.1117/12.3073014
17	HYPERBOLA: HYPerspEctRal onBOard cLoud AI: preliminary results	19/09/2025	Banti M., Gousios G., Mamouka T., Vourlioti P., Neophytides S., Paraskevas C., Kotsopoulos S., Mavrovouniotis M. "HYPERBOLA: HYPerspEctRal onBOard cLoud AI: preliminary results", Proc. SPIE 13816, Eleventh International Conference on Remote Sensing and Geoinformation of the Environment

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.

Conference Papers			
No.	**Title**	**Publication Date**	**Citation**
			(RSCy2025), 1381611 (19 September 2025); https://doi.org/10.1117/12.3073223
18	A GIS-based multi-criteria decision analysis framework for landslide risk assessment: a case study in Amathounta, Limassol, Cyprus	19/09/2025	Doukanari M., Tzouvaras M., Fotiou K., Stylianou N., Mettas C., Hadjimitsis D. "A GIS-based multi-criteria decision analysis framework for landslide risk assessment: a case study in Amathounta, Limassol, Cyprus", Proc. SPIE 13816, Eleventh International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2025), 138161Q (19 September 2025); https://doi.org/10.1117/12.3075513
19	Assessing water loss and sediment deposition at Mavrokolympos Dam using multimodal methods: TLS, UAV, and satellite imagery	19/09/2025	Christofi D., Evagorou E., Mettas C., Stylianou N., Hadjimitsis D., "Assessing water loss and sediment deposition at Mavrokolympos Dam using multimodal methods: TLS, UAV, and satellite imagery," Proc. SPIE 13816, Eleventh International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2025), 138160M (19 September 2025); https://doi.org/10.1117/12.3073168
20	Seasonal wind analysis in Limassol, Cyprus, using the ground-based Doppler LiDAR of the CARO National Facility	19/09/2025	Chrysostomou K., Kotsias G., Seifert P., Nisantzi A., Hadjimitsis D., Mamouri R., "Seasonal wind analysis in Limassol, Cyprus, using the ground-based Doppler LiDAR of the CARO National Facility," Proc. SPIE 13816, Eleventh International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2025), 1381618 (19 September 2025); https://doi.org/10.1117/12.3073303
21	CFAR-based automatic ship detection exploiting polarimetric correlation descriptors	19/09/2025	Iqbal M. A., Kalogirou E., Makri D., Mettas C., Tzouvaras M., Hadjimitsis D. G., "CFAR-based automatic ship detection exploiting polarimetric correlation descriptors," Proc. SPIE 13816, Eleventh International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2025), 1381603 (19 September 2025); https://doi.org/10.1117/12.3070193
22	Assessing thermal stress on cultural heritage in Limassol: a multi-scale remote sensing approach using Sentinel-3 and Landsat 9 land surface temperature data	19/09/2025	Dimitriou C., Themistocleous K., Abate D., Hadjimitsis D. G., Assessing thermal stress on cultural heritage in Limassol: a multi-scale remote sensing approach using Sentinel-3 and Landsat 9 land surface temperature data, Proc. SPIE 13816, Eleventh International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2025), 1381608 (19 September 2025); https://doi.org/10.1117/12.3072364
23	Employing spatial queries in Qgis: identifying and evaluating potential sites for forest nurseries installation in the Limassol district	19/09/2025	Koumoulidis D., Varvaris I., Hadjimitsis D., Employing spatial queries in Qgis: identifying and evaluating potential sites for forest nurseries installation in the Limassol district, Proc. SPIE 13816, Eleventh International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2025), 138160J (19 September 2025); https://doi.org/10.1117/12.3070791
24	Assessment of drought and soil moisture relationship: a case study in Cyprus using geospatial data	19/09/2025	Neofytou E., Eliades M., Neophytides S. P., Papoutsa C., Kontoes C., Hadjimitsis D. G. Assessment of drought and soil moisture relationship: a case study in Cyprus using geospatial data, Proc. SPIE 13816, Eleventh International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2025), 138160H (19 September 2025); https://doi.org/10.1117/12.3073245

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.

Conference Papers			
No.	**Title**	**Publication Date**	**Citation**
25	Accelerating ocean currents analysis: tiling-based parallel computing for SAR imagery	19/09/2025	Iqbal M. A., Kalogirou E., Makri D., Mettas C., Tzouvaras M., Hadjimitsis D. G., Accelerating ocean currents analysis: tiling-based parallel computing for SAR imagery, Proc. SPIE 13816, Eleventh International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2025), 1381605 (19 September 2025); https://doi.org/10.1117/12.3070192
26	Habitat types mapping using remote sensing techniques in Cyprus	19/09/2025	Makri D., Kalogirou E., Iqbal A., Hadjimitsis D., Mettas C., Habitat types mapping using remote sensing techniques in Cyprus, Proc. SPIE 13816, Eleventh International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2025), 1381606 (19 September 2025); https://doi.org/10.1117/12.3072248
27	Artificial intelligence and Earth observation towards disaster risk reduction: the AI-OBSERVER's research exploratory project	19/09/2025	Tzouvaras M., Votsis R., Fotiou K., Prodromou M., Panagiotou C., Kalogirou E., Christofi D., Reis G., Del Frate F., Zacharatos H., Hadjimitsis D., Artificial intelligence and Earth observation towards disaster risk reduction: the AI-OBSERVER's research exploratory project, Proc. SPIE 13816, Eleventh International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2025), 138161W (19 September 2025); https://doi.org/10.1117/12.3075493
28	Holistic multicriteria framework to assess flood risk in Garyllis river basin, Cyprus	19/09/2025	Kountouri J., Panagiotou C. F., Tsouni A., Sigourou S., Pagana V., Kontoes C., Hadjimitsis D., Holistic multicriteria framework to assess flood risk in Garyllis river basin, Cyprus, Proc. SPIE 13816, Eleventh International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2025), 138160R (19 September 2025); https://doi.org/10.1117/12.3073544
29	Proactive disaster notification: utilizing smart home networks for emergency response	19/09/2025	Kountouri J., Tzouvaras M., Panagiotou C. F., Prodromou M., Evagorou E., Mettas C., Panayiotou C., Chrysaphis A., Panayiotou P., Hadjimitsis D., Proactive disaster notification: utilizing smart home networks for emergency response, Proc. SPIE 13816, Eleventh International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2025), 138161R (19 September 2025); https://doi.org/10.1117/12.3075314
30	The Solar Radiation and Energy Laboratory (ESEL) at Limassol, Cyprus: infrastructure, QA/QC procedures, and first year of results	19/09/2025	Charalampous, G., Fragkosc, K., Fountoulakisd, I., Hadjimitsisb, D., & Kazadzise, S. The Solar Radiation and Energy Laboratory (ESEL) at Limassol, Cyprus: infrastructure, QA/QC procedures and first year of results. In Proc. of SPIE Vol (Vol. 13816, pp. 1381615-1).
31	LIP3D Project: LIving forever the Past through a 3Digital World	22/09/2025	Pepe M., Menozzi O., Costantino D., Alfio V. S., Maravelakis E., Mailis A., Herban S., Narloch K., Abate D., LIP3D Project: LIving forever the Past through a 3Digital World, 2025 6th International Conference in Electronic Engineering & Information Technology (EEITE), Chania, Greece, 2025, pp. 1-7, doi: 10.1109/EEITE65381.2025.11166103.
32	Spatiotemporal Analysis of Forest Fires in Cyprus Using Earth Observation and Climate Data	29/09/2025	Prodromou, M., Girtsou, S., Leventis, G., Charalampous, G., Apostolakis, A., Tzouvaras, M., Mettas, C., Giannopoulos, G., Kontoes, C., & Hadjimitsis, D. (2025). Spatiotemporal Analysis of Forest Fires in Cyprus Using Earth Observation and Climate Data. Environmental and Earth Sciences Proceedings, 35(1), 54. https://doi.org/10.3390/eesp2025035054

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.

Conference Papers			
No.	**Title**	**Publication Date**	**Citation**
33	National Integration and Optimization of CAMS Products: The Eratosthenes Center of Excellence as National Coordinator for Atmospheric Monitoring in Cyprus	02/10/2025	Anastasiadou M, Michaelides S, Hadjimitsis DG. National Integration and Optimization of CAMS Products: The Eratosthenes Center of Excellence as National Coordinator for Atmospheric Monitoring in Cyprus. Environmental and Earth Sciences Proceedings. 2025; 35(1):62. https://doi.org/10.3390/eesp2025035062
34	Air Pollutants Projections Using SHERPA Simulator: How Can Cyprus Achieve Cleaner Air	03/10/2025	Ramesh JB, Neophytides SP, Livadiotis O, Hadjimitsis DG, Michaelides S, Anastasiadou MN. Air Pollutants Projections Using SHERPA Simulator: How Can Cyprus Achieve Cleaner Air. Environmental and Earth Sciences Proceedings. 2025; 35(1):63. https://doi.org/10.3390/eesp2025035063
35	Reliability Evaluation of CAMS Air Quality Products in the Context of Different Land Uses: The Example of Cyprus	06/10/2025	Ramesh JB, Neophytides SP, Livadiotis O, Hadjimitsis DG, Michaelides S, Anastasiadou MN. Reliability Evaluation of CAMS Air Quality Products in the Context of Different Land Uses: The Example of Cyprus. Environmental and Earth Sciences Proceedings. 2025; 35(1):64. https://doi.org/10.3390/eesp2025035064
36	Assessing the Urban Heat Island (UHI) Effect Using Land Surface Temperature (LST) and Normalized Difference Built-Up Index (NDBI): A Case Study on Paphos, Cyprus	06/10/2025	Dimitriou C, Michaelides S, Themistocleous K, Hadjimitsis DG, Papadavid G, Gitas I, Kyriakides N. Assessing the Urban Heat Island (UHI) Effect Using Land Surface Temperature (LST) and Normalized Difference Built-Up Index (NDBI): A Case Study on Paphos, Cyprus. Environmental and Earth Sciences Proceedings. 2025; 35(1):65. https://doi.org/10.3390/eesp2025035065
37	A Dual Neural Network Framework for Correcting X-Band Radar Reflectivity and Estimating Rainfall Using GPM DPR and Rain Gauge Observations in Cyprus	16/10/2025	Loulli E, Michaelides S, Guerrisi G, Hadjimitsis DG. A Dual Neural Network Framework for Correcting X-Band Radar Reflectivity and Estimating Rainfall Using GPM DPR and Rain Gauge Observations in Cyprus. Environmental and Earth Sciences Proceedings. 2025; 35(1):73. https://doi.org/10.3390/eesp2025035073
38	A Multidimensional Framework for Flood Risk Analysis in the Garyllis Catchment, Cyprus	17/10/2025	Kountouri J, Panagiotou CF, Tsouni A, Sigourou S, Pagana V, Kontoes C, Danezis C, Hadjimitsis D. A Multidimensional Framework for Flood Risk Analysis in the Garyllis Catchment, Cyprus. Environmental and Earth Sciences Proceedings. 2025; 35(1):74. https://doi.org/10.3390/eesp2025035074
39	Understanding Mineral Dust Through a Doctoral Alliance	27/10/2025	Marenco F, Amiridis V, Costa MJ, Kandler K, Kazadzis S, Klose M, Pérez García-Pando C, Ryder C, Antunes CM, Basart S, et al. Understanding Mineral Dust Through a Doctoral Alliance. Environmental and Earth Sciences Proceedings. 2025; 35(1):78. https://doi.org/10.3390/eesp2025035078
40	Detection of water pipeline leakages using high-resolution satellite imagery and auxiliary ground data in Cyprus: case study of community councils of Doros and …	28/10/2025	Theocharidis C., Papoutsa C., Themistocleous K., Mettas C., Hadjimitsis D., 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, Proc. SPIE 13671, Earth Resources and Environmental Remote Sensing/GIS Applications XVI, 136710X (28 October 2025); https://doi.org/10.1117/12.3069672
41	Innovative methods for monitoring cultural heritage affected by climate change by enhancing visitor experience	28/10/2025	Themistocleous K., Evripidou V., Toumbas K., Innovative methods for monitoring cultural heritage affected by climate change by enhancing visitor experience, Proc. SPIE 13671, Earth Resources and Environmental Remote Sensing/GIS

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.

Conference Papers			
No.	**Title**	**Publication Date**	**Citation**
			Applications XVI, 136710O (28 October 2025); https://doi.org/10.1117/12.3069914
42	Spectral-temporal feature analysis for vegetation classification using Sentinel-2: a comparison of XGBoost, random forest, and neural network	28/10/2025	hristofi K., Chrysostomou C., Kontoes C., Hadjimitsis D., Mavrovouniotis M., Spectral-temporal feature analysis for vegetation classification using Sentinel-2: a comparison of XGBoost, random forest, and neural network, Proc. SPIE 13670, Artificial Intelligence and Image and Signal Processing for Remote Sensing XXXI, 136700H (28 October 2025); https://doi.org/10.1117/12.3069699
43	Transforming history through digitization and 3D heritage replication	28/10/2025	Themistocleous K., Transforming history through digitization and 3D heritage replication, Proc. SPIE 13671, Earth Resources and Environmental Remote Sensing/GIS Applications XVI, 136710N (28 October 2025); https://doi.org/10.1117/12.3069913
44	Direct Radiative Effects of Dust Events over Limassol, Cyprus in 2024 Using Ground-Based Measurements and Modelling	30/10/2025	Charalampous G, Fragkos K, Fountoulakis I, Papachristopoulou K, Nisantzi A, Mamouri R-E, Hadjimitsis D, Kazadzis S. Direct Radiative Effects of Dust Events over Limassol, Cyprus in 2024 Using Ground-Based Measurements and Modelling. Environmental and Earth Sciences Proceedings. 2025; 35(1):77. https://doi.org/10.3390/eesp2025035077
45	The Study of the Urban Heat Island Effect in Cyprus for the Period 2013–2023 by Using Google Earth Engine	12/11/2025	Soteriades C, Michaelides S, Hadjimitsis D. The Study of the Urban Heat Island Effect in Cyprus for the Period 2013–2023 by Using Google Earth Engine. Environmental and Earth Sciences Proceedings. 2025; 35(1):80. https://doi.org/10.3390/eesp2025035080
46	Generative AI for Earth Observation, a Prospect	12/11/2025	Asiyabi, R. M., Ghozatlou, O., Nazir, S., Keymasi, M., Iqbal, M. A., & Datcu, M. (2025). Generative AI for Earth Observation, a Prospect. In Machine Intelligence for GeoAnalytics and Remote Sensing (MIGARS) (pp. 1-4). (2025 International Conference on Machine Intelligence for GeoAnalytics and Remote Sensing (MIGARS)). IEEE. https://doi.org/10.1109/migars67156.2025.1123224
47	A transferable multicriteria flood risk assessment methodology at high spatial resolution: two case studies in Greece and Cyprus	25/11/2025	A Tsouni, CF Panagiotou, S Sigourou, J Kountouri, V Pagana, P Dimitriadis, N Mamasis, D Koutsoyiannis, D Hadkimitisis and C Kontoes, A transferable multicriteria flood risk assessment methodology at high spatial resolution: two case studies in Greece and Cyprus, IGARSS 2025 - 2025 IEEE International Geoscience and Remote Sensing Symposium, Brisbane, Australia, 2025, pp. 3269-3273, doi: 10.1109/IGARSS55030.2025.11242478.
48	Green-HIT: A Holistic IoT System for Forest Monitoring and Management	05/12/2025	Pamboris, A., Iasonos, I., Kyriakou, N., Prodromou, M., Cheng, P., & Konstantinidis, A. (2025, December). Green-HIT: A Holistic IoT System for Forest Monitoring and Management. In IOP Conference Series: Earth and Environmental Science (Vol. 1558, No. 1, p. 012060). IOP Publishing.

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.

Conference Papers			
No.	**Title**	**Publication Date**	**Citation**
49	Safeguarding the Past: Blending Digital and Traditional Tools to Combat Illicit Excavations and Cultural Property Trafficking	27/02/2026	Abate, D., Salvi, M. C., Orengo, H. A., Berganzo-Besga, I., Farella, E. M., Remondino, F., Yates, D. & de Jong, A. (2025, September). Safeguarding the Past: Blending Digital and Traditional Tools to Combat Illicit Excavations and Cultural Property Trafficking. In Digital Heritage 2025: The premier global forum where culture meets cutting-edge technology..
50	Multi-Objective Optimization Framework for Managed Aquifer Recharge: A case study in Akrotiri, Cyprus	14/03/2026	Taani, M., Händel, F., Panayiotou, C., Glass, J., Stefan, C., and Scheytt, T.: Multi-Objective Optimization Framework for Managed Aquifer Recharge: A case study in Akrotiri, Cyprus, EGU General Assembly 2026, Vienna, Austria, 3–8 May 2026, EGU26-22691, https://doi.org/10.5194/egusphere-egu26-22691, 2026.
51	Synergy of Unmanned Aerial Vehicles and Ground-based remote sensing for spaceborne lidar calibration and validation	09/04/2026	F. Marenco, M. Kezoudi, A. Papetta, E. Marinou, V. Amiridis, N. Ratcliffe, C. Ryder, R. Mamouri, J. Sciare, Synergy of Unmanned Aerial Vehicles and Ground-based remote sensing for spaceborne lidar calibration and validation, EPJ Web Conf. 362 10009 (2026), DOI: 10.1051/epjconf/202636210009
52	A Reliable Remote Sensing-Based Framework	08/05/2026	Mirle, N., Mavrovouniotis, M., Kavallieratos, G., Spathoulas, G. and Gaedke, M., 2026, May. A Reliable Remote Sensing-Based Framework. In Machine Learning and Principles and Practice of Knowledge Discovery in Databases: International Workshops of ECML PKDD 2025, Porto, Portugal, September 15–19, 2025, Revised Selected Papers, Part V (p. 269). Springer Nature.
53	Water Stress Assessment in Mediterranean Citrus Orchards Using Machine Learning and Remote Sensing	13/05/2026	S. P. Neophytides, E. Neofytou, M. Eliades, D. G. Hadjimitsis and M. Mavrovouniotis, "Water Stress Assessment in Mediterranean Citrus Orchards Using Machine Learning and Remote Sensing," 2025 IEEE International Workshop on Metrology for Agriculture and Forestry (MetroAgriFor), Bologna, Italy, 2025, pp. 57-62, doi: 10.1109/MetroAgriFor66923.2025.11512422.
54	From Artificial to Quantum Intelligence: The Next Frontier of Low-Carbon Energy Systems	22/06/2026	S. M. Ali, M. Hadi, F. Usama, M. S. Khan, M. Iqbal and S. Ahmad, "From Artificial to Quantum Intelligence: The Next Frontier of Low-Carbon Energy Systems," 2026 International Conference on Integrated Intelligence and Cognitive Engineering (ICIICE), Dubai, United Arab Emirates, 2026, pp. 1-6, doi: 10.1109/ICIICE69672.2026.11565487.
55	Dynamic Electric Vehicle Routing Problem using Population-Based Ant Colony Optimization	01/07/2026	M. Mavrovouniotis, C. Li, C. Chrysostomou, M. N. Anastasiadou, S. Yang. Dynamic electric vehicle routing problem using population-based ant colony optimization. 2026 IEEE Congress on Evolutionary Computation (CEC), Maastricht, the Netherlands, pp. 1–7, 2026.
56	A Heterogeneous Ant Colony Framework with Semantic Manifold Learning for Dynamic Ore-Flow Blending	10/07/2026	Hao Tang, Changhe Li, Guoyu Chen, Shoufei Han, Michalis Mavrovouniotis, and Miqing Li. 2026. A Heterogeneous Ant Colony Framework with Semantic Manifold Learning for Dynamic Ore-Flow Blending. In Proceedings of the Genetic and Evolutionary Computation Conference (GECCO '26). Association for Computing Machinery, New York, NY, USA, 197–205. https://doi.org/10.1145/3795095.3805181

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.

Conference Papers			
No.	**Title**	**Publication Date**	**Citation**
57	Urban Flooding Impact Related to Synoptic Meteorological Conditions over the Western Part of Athens Basin, Greece	02/08/2026	Feloni, E., Nastos, P., Chasiotis, A., Anayiotos, A., Baltas, E. (2026). Urban Flooding Impact Related to Synoptic Meteorological Conditions over the Western Part of Athens Basin, Greece. In: Guerriero, G., et al. Recent Advances in Environmental Science from the Euro-Mediterranean and Surrounding Regions (5th Edition). EMCEI 2023. Advances in Science, Technology & Innovation. Springer, Cham. https://doi.org/10.1007/978-3-032-16577-0_95
58	A SimVP-based fitness prediction method for resource allocation in multi-population optimization	14/08/2026	M. Peng, C. Li, D. Yazdani, M. Shan, M. Mavrovouniotis, S. Yang. A SimVP-based fitness prediction method for resource allocation in multi-population optimization. The 17th FLINS Conference & the 21st ISKE Conference: Machine Learning and Knowledge Engineering for Decision Making, Sydney, Australia, 2026
59	Benchmarking AlphaEarth Embeddings for Land Cover Mapping in Agricultural Landscapes	15/09/2026	S. P. Neophytides, M. Mavrovouniotis, D. G. Hadjimitsis. Benchmarking AlphaEarth Embeddings for Land Cover Mapping in Agricultural Landscapes, 2026 IEEE International Geoscience and Remote Sensing Symposium (IGARSS 2026), Washington, D.C, USA, 2026

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.

Annex II - Proposals Submitted During RP5

No	Funding Programme	Topic ID	Call deadline	Acronym	Proposal Title	Department	Proposal Budget	ECoE Budget	Status	Role
1	HORIZON EUROPE	HORIZON-CL6-2025-02-FARM2FORK-05-two-stage	09/04/2025	SEED	Enhancing the Resilience and Sustainability of African Food Systems Through Agroecology	Environment & Climate	6,000,000.00	300,000.00	Below available budget	Partner
2	ESA	ESA	28/04/2025	SPADIA	Satellite-based Platform for Detection and Analysis of Crop Pests, Diseases and multiple Agronomic stressors	Environment & Climate	380,000.00	70,000.00	Below available budget	Partner
3	Other European	UCPM-2025-KAPP-PVPP	30/04/2025	Pre-FACED	Enhancing Preparedness Capacities for Multi-Hazard Effects through the Fusion of Geospatial and AI Technologies	Resilient Society	815,971.09	175,964.18	Main List	Coordinator
4	Creative Culture	CREA-CULT-2025-COOP	13/05/2025	Re Imagines	AI-Driven Reconstruction and Circulation of Stolen Heritage through Virtual Exhibitions	Resilient Society	199,999.99	52,777.77	Below available budget	Coordinator
5	Other European	CREA-CULT-2025-COOP-2	13/05/2025	OpenWAVE	Open Wine and Art for the Enhancement of Ancient village and sites project	Resilient Society	1,000,000.00	94,073.05	Below available budget	Partner
6	Interreg	Interreg NEXT-MED	15/05/2025	EMERA	Ecosystem-based solutions for the Marine Environment and Flood Resilience in the MediterrAnean	Resilient Society	2,500,000.00	623,000.00	Submitted - under evaluation	Coordinator
7	Interreg	Interreg NEXT-MED	15/05/2025	OBSERVE	An Eastern Mediterranean Integrated Observatory System utilizing Earth Observation and in-situ data to monitor and manage the Risk of Coastal Erosion due to the Impact of Climate Change	Resilient Society	2,482,814.49	397,963.50	Submitted - under evaluation	Partner
8	Interreg	Interreg NEXT-MED	15/05/2025	SAFEMED	Smart Alert and Adaptation Systems for a Fair and Equitable Mediterranean Facing Climate Risks	Resilient Society	3,495,000.00	330,190.01	Submitted - under evaluation	Partner
9	Interreg	Interreg NEXT-MED	15/05/2025	ARETHUSA	Advancing Rural Ecosystems through Technology, Harnessing water for sUStainable Agriculture	Environment & Climate	4,400,000.00	380,000.00	Below available budget	Partner
10	Interreg	Interreg NEXT-MED	15/05/2025	GROOT	Addressing Land Degradation in the Mediterranean through AI-Powered Knowledge Transfer and Technology Uptake	Environment & Climate	4,400,000.00	543,000.00	Below available budget	Coordinator

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.

No	Funding Programme	Topic ID	Call deadline	Acronym	Proposal Title	Department	Proposal Budget	ECoE Budget	Status	Role
11	HORIZON EUROPE	HORIZON-EIC-2025-PATHFINDEROPEN	21/05/2025	SENSEER	Sensor-Enhanced Neurocognitive Simulation and Evaluation for Emergency Response (EIC)	Resilient Society	2,983,801.25	296,875.00	Below threshold	Partner
12	HORIZON EUROPE	HORIZON-EIC-2025-PATHFINDEROPEN	21/05/2025	SYNTHEIA	Foundational Science for Synergistic Integration of Hyperspectral, Synchrotron, and Health Data Targeting Persistent Organic Pollutants and Enabling Future Environmental Health Intelligence	Big Earth Data Analytics	3,000,000.00	1,000,000.00	Below available budget	Coordinator
13	Erasmus+	ERASMUS-EDU-2025-PEX-COVE	11/06/2025	VOICE	VOcational education and training In Carbon farming Excellence	Environment & Climate	3,792,170.30	300,368.69	Below available budget	Partner
14	Erasmus+	ERASMUS-EDU-2025-PEX-COVE	11/06/2025	AgriVital	Centre of Vocational Excellence for Regenerative and Resilient Agriculture	Environment & Climate	3,999,788.40	510,775.20	Below available budget	Coordinator
15	RIF	OPEN INFRA/0625	01/07/2025	ECOLAB	Advanced Environmental Contaminant Research Laboratory	Big Earth Data Analytics	471,199.20	471,199.20	Below available budget	Coordinator
16	RIF	OPEN INFRA/0625	01/07/2025	SCI-HOPE	Smart Cyprus Infrastructure for Hyperspectral Observations and Precise Management in Agriculture and Environment	Environment & Climate	204,000.00	204,000.00	Below available budget	Coordinator
17	RIF	OPEN INFRA/0625	01/07/2025	AIOLUS-CY	Advancing Integrated Observations with Lidar for Upper-air Studies in Cyprus	Environment & Climate	377,400.00	377,400.00	Below available budget	Coordinator
18	RIF	OPEN INFRA/0625	01/07/2025	C-WON	Carbon-Water Observations Network	Environment & Climate	392,542.92	392,542.92	Below available budget	Coordinator
19	RIF	OPEN INFRA/0625	01/07/2025	3D-TWINMAP	Mobile 3D Mapping for Digital Twin Development	Resilient Society	483,092.40	483,092.40	Main List	Coordinator
20	RIF	OPEN INFRA/0625	01/07/2025	SCOUT	Surveillance by Coordinated Operation of Unmanned Terrestrial and aerial systems	Resilient Society	285,600.00	285,600.00	Below available budget	Coordinator
21	RIF	OPEN INFRA/0625	01/07/2025	SOLARIS-CYP	SOLAR Infrastructure for Spectral monitoring – Integrated Radiometric Infrastructure for Atmospheric Observation and participation in the BSRN Network in Cyprus	Resilient Society	270,738.25	270,738.25	Below available budget	Coordinator
22	RIF	OPEN INFRA/0625	01/07/2025	FLASH	FLood Alert System for Hazards- A Sensor Network for Real-Time Flood Detection and Early Warning	Resilient Society	145,656.00	145,656.00	Below available budget	Coordinator

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.

No	Funding Programme	Topic ID	Call deadline	Acronym	Proposal Title	Department	Proposal Budget	ECoE Budget	Status	Role
23	RIF	OPEN INFRA/0625	01/07/2025	SEAMAP	Seafloor Echo-sounding and Analysis for Marine Applications and Planning	Resilient Society	461,244.00	461,244.00	Below available budget	Coordinator
24	PRIMA	P2P/PRIMA/0525/0010	14/07/2025	INSPIREMed	INtegrated Virtual Water Footprint ASsessments to Enhance Resilient PolIcy REsponses to Water Scarcity in the Mediterranean	Environment & Climate	199,999.20	199,999.20	Below available budget	Partner
25	PRIMA	PRIMA 2025- Section 1 - Innovation Action, "Upscaling Nature Based Solutions for sustainable water management to address extreme events in the Mediterranean"	15/07/2025	INVESTWATER	Advancing sustainable WATER management through the upscaling of INnoVative naturE-based SoluTions to promote climatic adaptation	Resilient Society	2,540,597.50	498,750.00	Main List	Coordinator
26	RIF	CONCEPT/0525	23/07/2025	TUNING	Tree moisture sensors for precIsion irrigation	Environment & Climate	40,000.00	40,000.00	Main List	Coordinator
27	RIF	CONCEPT/0525	23/07/2025	SPICE-AI	SPace-born Identification of Clandestine Excavations using AI 3	Resilient Society	40,000.00	40,000.00	Main List	Coordinator
28	HORIZON EUROPE	HORIZON-JU-EUROHPC-2025-AIFA-01	30/07/2025	Pharos-CY	Pharos-CY: Accelerating Trustworthy AI Innovation in Cyprus	Big Earth Data Analytics	6,000,000.00	300,000.00	Main List	Partner
29	HORIZON EUROPE	HORIZON-CL6-2025-02-FARM2FORK-01-two-stage	04/09/2025	RESPOND-IPM	RESILIENT STRATEGIES FOR PESTS OF NEW DISTRIBUTION: TOWARDS SUSTAINABLE AND PRECISION-BASED INTEGRATED PEST MANAGEMENT	Environment & Climate	5,996,000.00	400,000.00	Below available budget	Partner
30	HORIZON EUROPE	HORIZON-CL6-2025-02-FARM2FORK-01-two-stage	04/09/2025	ODYSSEE-HLB	ORCHESTRATING DEFENCE AGAINST CITRUS HLB THROUGH SYSTEMATIC AND SUSTAINABLE ECOLOGICAL ENGAGEMENT IN THE MEDITERRANEAN BASIN	Environment & Climate	5,999,987.00	350,000.00	Below available budget	Partner
31	HORIZON EUROPE	HORIZON-CL6-2025-02-FARM2FORK-05-two-stage	04/09/2025	SOLACE	Solar Synergies for Sustainable Agroecology: Living Labs and Lighthouses Driving Climate-Resilient Food Systems in East Africa	Environment & Climate	6,000,000.00	0.00	Below available budget	Partner
32	HORIZON EUROPE	HORIZON-MSCA-2025-PF	10/09/2025	HORTUS	Historic hORTicultural landscape Under Stress	Resilient Society	174,379.44	174,379.44	Below available budget	Coordinator

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.

No	Funding Programme	Topic ID	Call deadline	Acronym	Proposal Title	Department	Proposal Budget	ECoE Budget	Status	Role
33	HORIZON EUROPE	HORIZON-MSCA-2025-PF-01-01	10/09/2025	DISCOVER	Determining Impact of Smoke on CCN and INP from Observations by VERtical profiling with EarthCARE in the Eastern Mediterranean and Middle East.	Environment & Climate	198,145.25	198,145.25	Below available budget	Coordinator
34	HORIZON EUROPE	HORIZON-MSCA-2025-PF-01-01	10/09/2025	DASH	Maritime safety from air and space	Big Earth Data Analytics	190,219.44	190,219.44	Below available budget	Coordinator
35	HORIZON EUROPE	HORIZON-CL6-2025-02-COMMUNITIES-04	16/09/2025	UrbanFood	Sustainable urban food living lab	Environment & Climate	4,864,153.38	350,008.13	Main List	Partner
36	HORIZON EUROPE	HORIZON-CL6-2025-02-COMMUNITIES-04	16/09/2025	FOODRIA	EUROPEAN CITIES EMPOWERING URBAN FOOD SYSTEM TRANSFORMATION	Environment & Climate	5,998,833.13	234,611.88	Reserve List	Partner
37	HORIZON EUROPE	HORIZON-CL2-2025-02-HERITAGE-02-two stage	16/09/2025	CULTU-RES	Intangible CULTural Heritage for Societal and Climate RESilience in Europe	Resilient Society	0.00	0.00	Below available budget	Partner
38	HORIZON EUROPE	HORIZON-CL2-2025-01-HERITAGE-03	16/09/2025	CROWD4ECCCH	Leveraging Citizen Scientists, Crowdsourcing, and Memory Twins for Testing and Assessing the Capabilities of the European Cloud for Cultural Heritage	Resilient Society	7,048,818.75	200,000.00	Below available budget	Partner
39	HORIZON EUROPE	HORIZON-HLTH-2025-03-ENVHLTH-01-two-stage	16/09/2025	PrePD-PEST	Parkinson's disease, pesticides, longitudinal cohort, environmental exposure, biomarkers, occupational health, exposome, FAIR data, citizen science, neurodegeneration	Environment & Climate	6,900,000.00	0.00	Below available budget	Partner
40	HORIZON EUROPE	HORIZON-CL6-2025-01-CIRCBIO-13	17/09/2025	ReBoRN	Bio-based and Nature-driven Recovery of Conflict-Affected Regions	Environment & Climate	4,000,000.00	559,000.00	Main List	Coordinator
41	HORIZON EUROPE	HORIZON-CL6-2025-01-BIODIV-10	17/09/2025	AgriDiversa	Advanced implementation of nature restoration measures and enhanced biodiversity monitoring in agriculture	Environment & Climate	5,874,000.00	350,000.00	Below available budget	Partner
42	HORIZON EUROPE	HORIZON-INFRA-2025-01	18/09/2025	AETHERIA	Generative AI and SurrogatE digital Twins for Human-centric coastal and Earth systems Resilience & Impact Assessments	Environment & Climate	9,615,832.70	474,375.00	Main List	Partner
43	HORIZON EUROPE	HORIZON-INFRA-2025-01	18/09/2025	ATMO-SERV	ATMO-SERV	Environment & Climate	10,000,000.00	29,000.00	Main List	Associated Partner
44	HORIZON EUROPE	HORIZON-INFRA-2025-01	18/09/2025	ACTRIS-NEXT	ACTRIS-NEXT	Environment & Climate	0.00	15,000.00	Main List	Partner

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.

No	Funding Programme	Topic ID	Call deadline	Acronym	Proposal Title	Department	Proposal Budget	ECoE Budget	Status	Role
45	European Forest Institute	FORWARDS HORIZON PROJECT	21/09/2025	ReFOREST	Remote sensing for FOREST climate impact monitoring	Resilient Society	145,000.00	85,000.00	Reserve List	Coordinator
46	HORIZON EUROPE	HORIZON-CL5-2025-06-D1-04	24/09/2025	FORECAST	Forecasting Of landslide Risk using Environmental sensing, AI and Climate-Adaptive Strategies for Terrain stabilisation	Big Earth Data Analytics, Resilient Society	5,999,948.74	566,312.50	Submitted - under evaluation	Partner
47	HORIZON EUROPE	HORIZON-CL6-2025-03-GOVERNANCE-09	24/09/2025	INSIGHT	Living Earth Intelligence Hubs Network for Co-Governance and Needs-Based Services	Environment & Climate	7,500,000.00	421,000.00	Below available budget	Partner
48	HORIZON EUROPE	HORIZON-CL6-2025-03-GOVERNANCE-02	24/09/2025	RUWARD	Creating opportunities for RUral communities through reWARD schemes for ecosystems regeneration	Environment & Climate	5,882,372.63	379,125.00	Below available budget	Partner
49	HORIZON EUROPE	HORIZON-CL6-2025-03-GOVERNANCE-11	24/09/2025	Smart TwinVill	Multi-actor digital twins for open, citizen-driven digital twins for climate-resilient smart villages	Resilient Society	5,998,343.49	377,135.63	Main List	Partner
50	ECMWF	2025_C3S2_G461-Education	30/09/2025	TOUCH3S	Texturized tactile representations of climate variables to improve understanding of C3S data through 3D printing for general and special education programs	Environment & Climate	199,812.00	199,812.00	Below available budget	Coordinator
51	ECMWF	2025_C3S2_G461-Direct Use	30/09/2025	WEATHER READY	WEATHER READY	Environment & Climate	199,500.00	199,500.00	Below available budget	Coordinator
52	ECMWF	2025_C3S2_G461-Transboundary	30/09/2025	CORE-GC	C3S products uptake towards optimal exploitation of Renewable Energy Sources in Greece and Cyprus.	Environment & Climate	600,000.00	105,000.00	Below available budget	Partner
53	HORIZON EUROPE	HORIZON-MISS-2025-05-06	30/09/2025	CAPLab	Unlocking Resilient Arable Land Management and Soil Health	Environment & Climate	6,000,000.00	410,000.00	Submitted - under evaluation	Partner
54	HORIZON EUROPE	HORIZON-CL4-2025-04-DIGITAL-EMERGING-07	02/10/2025	CEREBRA-AI	A unified framework for continual, explainable and embodied General-Purpose Artificial Intelligence	Big Earth Data Analytics	14,997,790.00	473,000.00	Main List	Partner
55	HORIZON EUROPE	N/A	02/10/2025	MEDUSA	eMpowEring Africa Through Generative AI by Designing Local SolUtionS for GlobAl Challenges	Big Earth Data Analytics	1,999,875.00	431,500.00	Below available budget	Coordinator
56	HORIZON EUROPE	HORIZON-MSCA-2025-SE-01	08/10/2025	CoRe-NBS	Coastal Resilience through Nature-based Solutions and Transregional Exchange	Resilient Society	1,803,600.00	150,300.00	Submitted - under evaluation	Partner

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.

No	Funding Programme	Topic ID	Call deadline	Acronym	Proposal Title	Department	Proposal Budget	ECoE Budget	Status	Role
57	RIF	AI IN GOV'T/0725 - Challenge 1	17/10/2025	CyMetAI	Cyprus Meteorological AI-driven forecasting model	Environment & Climate	999,992.00	255,570.00	Main List	Partner
58	RIF	AI IN GOV'T/0725 - Challenge 2	17/10/2025	AgroSentinel	AI-powered Early Warnings for Climate-Smart Agriculture	Environment & Climate	0.00	0.00	Below available budget	Partner
59	HORIZON EUROPE	HORIZON-MISS-2025-01	29/10/2025	FeTCH	Federated Toolbox for Climate Hazards and Risk Assessment empowers European regions and local authorities to assess and act on climate risks	Resilient Society	3,416,907.00	299,720.00	Submitted - under evaluation	Partner
60	HORIZON EUROPE	HORIZON-MISS-2025-01-CLIMA-03	29/10/2025	TRANSIT	SOLUTIONS SUPPORTING CLIMATE CHANGE ADAPTATION OF COASTAL REGIONS HOTSPOTS	Resilient Society	7,409,131.25	655,875.00	Below threshold	Partner
61	HORIZON EUROPE	HORIZON-CL3-2025-01-DRS-03	12/11/2025	ATHENA	ADVANCING THROUGH HUMANITARIAN ENHANCED NETWORK OPERATIONS USING AI AND IOT	Resilient Society	4,499,931.76	361,412.00	Submitted - under evaluation	Partner
62	HORIZON EUROPE	HORIZON-CL3-2025-01-DRS-03	12/11/2025	CRISES-AI	CRISIS RESPONSE INTEGRATED SYSTEM FOR EMERGENCY SERVICES USING ARTIFICIAL INTELLIGENCE	Resilient Society	4,462,400.25	263,125.00	Submitted - under evaluation	Partner
63	HORIZON EUROPE	HORIZON-CL3-2025-01-INFRA-01	12/11/2025	CYPRESS	Cyber-Physical Resilience Across Large-Scale Interconnected Systems	Resilient Society	4,998,047.50	752,125.00	Below available budget	Coordinator
64	HORIZON EUROPE	HORIZON-CL3-2025-01-DRS-02	12/11/2025	SENSEER	Sensor-Enhanced Neurocognitive Simulation and Evaluation for Emergency Response (DRS)	Resilient Society	3,498,357.57	293,500.00	Below threshold	Partner
65	HORIZON EUROPE	HORIZON-CL3-2025-01-DRS-01	12/11/2025	SOS360-GLOBAL	AI-Driven Resilience Framework for Crisis Management and Protection in Europe	Resilient Society	14,000,000.00	1,300,000.00	Below threshold	Partner
66	HORIZON EUROPE	HORIZON-WIDERA-2025-01	20/11/2025	SunERA	Strengthening Widening HEIs in the Solar–Climate–Energy Nexus	Resilient Society, Environment & Climate	4,999,632.50	148,358.75	Submitted - under evaluation	Partner
67	HORIZON EUROPE	HORIZON-MSCA-2025-DN-01	25/11/2025	DITCH 2	Data Intensive Technologies for Cultural Heritage	Resilient Society	4,442,577.48	524,821.68	Submitted - under evaluation	Partner
68	RIF	EXCELLENCE/0925	26/11/2025	EDUSPACE-CRED	EDUSPACE: Research-Based Micro-Credentials for STEAM and Satellite Data Literacy	Environment & Climate; Resilient Society; Big Earth Data Analytics	60,000.00	150,000.00	Submitted - under evaluation	Partner

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.

No	Funding Programme	Topic ID	Call deadline	Acronym	Proposal Title	Department	Proposal Budget	ECoE Budget	Status	Role
69	RIF	EXCELLENCE/0925	26/11/2025	HOPE	Hydrological Observations on a Pest-infected Environment	Environment & Climate	199,990.00	199,990.00	Submitted - under evaluation	Coordinator
70	RIF	EXCELLENCE/0925	26/11/2025	TUNING	Tree moisture sensors for precision irrigation (EXCELLENCE)	Environment & Climate	199,990.00	199,990.00	Submitted - under evaluation	Coordinator
71	RIF	EXCELLENCE/0925	26/11/2025	MOLTRES	Machine learning and earth Observation for thermaL anomaly deTection and fiRE Spread propagation.	Resilient Society	199,999.80	184,599.80	Submitted - under evaluation	Coordinator
72	RIF	EXCELLENCE/0925	26/11/2025	EXODUS	The Lost Jewish Camps of Cyprus	Resilient Society	119,999.99	119,999.99	Submitted - under evaluation	Coordinator
73	RIF	EXCELLENCE/0925	26/11/2025	DNACYBEE	A DNA-based framework for monitoring the montane wild bees of Cyprus and evaluating their vulnerability to climate change	Environment & Climate	2,490,320.00	49,700.00	Submitted - under evaluation	Partner
74	RIF	EXCELLENCE/0925	26/11/2025	PATHOWEB	PATHOgen Hazard Assessment using an integrated WEB tool for the design of optimal water management policies	Resilient Society; Big Earth Data Analytics	199,999.80	129,999.80	Submitted - under evaluation	Coordinator
75	RIF	EXCELLENCE/0925	26/11/2025	Agri-ADAPT	AI-Powered Adaptive Policy for Agricultural Water Security	Big Earth Data Analytics	199,990.00	172,060.00	Submitted - under evaluation	Coordinator
76	RIF	EXCELLENCE/0925	26/11/2025	BIOLAND-Cy	Bioarchaeology and Integrated Observation for LANdscape Dynamics in Cyprus	Resilient Society	119,999.60	119,999.60	Main List	Coordinator
77	RIF	EXCELLENCE/0925	26/11/2025	BYZFORTS	Landscape and Power in Byzantium: A Geo-Spatial Exploration of fortifications in the Eastern Mediterranean	Resilient Society	119,000.00	119,000.00	Submitted - under evaluation	Coordinator
78	RIF	EXCELLENCE/0925	26/11/2025	HEALMAP-CY	Optimizing the Distribution of Primary Care Physicians in Cyprus to Reduce Health Inequalities: A Spatial and Socio-Demographic Approach	Resilient Society	247,870.00	134,750.00	Below available budget	Coordinator
79	RIF	EXCELLENCE/0925	26/11/2025	MilQTrack	Milk Quality, Health and Traceability Solution for the Dairy Supply Chain	Big Earth Data Analytics	199,920.00	178,220.00	Submitted - under evaluation	Coordinator
80	RIF	EXCELLENCE/0925	26/11/2025	CHILDHEAL	Assessment of primary school children's environmental and health indicators in fire-affected villages of rural Limassol	Resilient Society	250,000.00	249,704.00	Below available budget	Partner

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.

No	Funding Programme	Topic ID	Call deadline	Acronym	Proposal Title	Department	Proposal Budget	ECoE Budget	Status	Role
81	RIF	POSTDOC/0925	28/11/2025	FARM-RAD	Farm-level Radar Precipitation Mapping for Agricultural Decision Support	Environment & Climate	149,961.00	149,961.00	Below threshold	Coordinator
82	RIF	POSTDOC/0925	28/11/2025	ABL-Cy	Boundary-Layer Dynamics and Mixing-Height Climatology - Operational Predictor for Cyprus	Environment & Climate	140,000.00	140,000.00	Submitted - under evaluation	Coordinator
83	RIF	POSTDOC/0925	28/11/2025	Cy-SAVERS	Cyprus - Shipwake Assessment & Vessel Exploration using Remote Sensing	Resilient Society	149,996.00	149,996.00	Submitted - under evaluation	Coordinator
84	RIF	POSTDOC/0925	28/11/2025	DEpICT+	Integrating Environmental, Social, and Biochemical Determinants of Arterial Health in Cyprus	Resilient Society	149,100.00	149,100.00	Below available budget	Coordinator
85	Other European	CFP/SN/24039/2025/YEM/003	19/01/2026	CFP/SN/24039/2025/YEM/003	Loss and damage tracking and capacity building in the Republic of Yemen	Resilient Society	290,400.00	122,400.00	Submitted - under evaluation	Partner
86	Interreg	Interreg Euro-MED	25/02/2026	C4SQ+	CARBON 4 SOIL QUALITY+	Environment & Climate	1,598,960.00	157,050.00	Main List	Partner
87	HORIZON EUROPE	HORIZON-EUSPA-2026-SPACE-02-52	26/02/2026	GALILEYE-COG	Cognitive EGNSS-Enabled Evacuation Intelligence Platform for Crisis Management	Resilient Society	1,800,485.54	207,795.00	Below available budget	Partner
88	HORIZON EUROPE	HORIZON-EUSPA-2026-SPACE-02-51	26/02/2026	ORION	Observatory for Climate Adaptation and Environmental Footprint Reduction	Resilient Society; Environment & Climate; Big Earth Data Analytics	1,999,302.74	288,801.25	Main List	Partner
89	HORIZON EUROPE	HORIZON-EUSPA-2026-SPACE-02-51	26/02/2026	AURORA	Adaptive Unified Risk Operating system for Resilient Administrations	Environment & Climate	2,061,222.13	255,875.00	Below available budget	Partner
90	HORIZON EUROPE	HORIZON-EUSPA-2026-SPACE-02-52	26/02/2026	PLANESENSE	Holistic proactive forest health management and real-time fire crisis response via use of commercial airPLANE SENSors	Resilient Society	1,375,575.00	301,250.00	Below available budget	Coordinator
91	Erasmus+	ERASMUS-EDU-2026-PI-ALL-INNO	03/03/2026	OASIS	Optimizing Agribusiness Skills for Irrigation Sustainability	Environment & Climate	0.00	0.00	Below available budget	Partner
92	Erasmus+	N/A	05/03/2026	SoFoLabs	Schools as ecosystem living labs: From ground to canopy	Environment & Climate	400,000.00	120,000.00	Below available budget	Coordinator

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.

No	Funding Programme	Topic ID	Call deadline	Acronym	Proposal Title	Department	Proposal Budget	ECoE Budget	Status	Role
93	Erasmus+	N/A	05/03/2026	BEEYouth	Empowering Youth Through Beekeeping for Sustainable Development 	Environment & Climate	367,545.00	44,405.00	Submitted - under evaluation	Partner
94	Erasmus+	ERASMUS-EDU-2026-PI-ALL-INNO-EDU-ENTERP	10/03/2026	Re-Imagine	Reinventing Smart and Sustainable Tourism through Digital Innovation and Green Practices	Resilient Society	1,499,999.20	99,762.96	Below available budget	Partner
95	HORIZON EUROPE	HORIZON-WIDERA-2026-06-ERA-04	12/03/2026	WIDEN BRIDGE	Bringing Research Results to Society and Economy for Academic Startups in the Widening Area	Environment & Climate	1,999,906.00	240,000.00	Below available budget	Partner
96	Erasmus+	ERASMUS-EDU-2026-CB-VET-SMC	26/03/2026	TrainTech	Training & Technologies for the Safeguard, Management and Valorization of Cultural Heritage at risk in Southern Mediterranean countries	Resilient Society	500,000.00	20,000.00	Submitted - under evaluation	Partner
97	HORIZON EUROPE	HORIZON-WIDERA-2026-02-WIDENING-01	09/04/2026	HYPERAGRI	STRENGTHENING HYPERSPECTRAL AND AI CAPACITY FOR CLIMATE-SMART AGRICULTURE IN THE EASTERN MEDITERRANEAN	Environment & Climate	1,498,552.00	644,885.00	Below available budget	Coordinator
98	HORIZON EUROPE	HORIZON-WIDERA-2026-02-WIDENING-01	09/04/2026	RIVER-EYE	Advancing Excellence in Drone-Based Earth Observation for Restoration of Large River Ecosystems	Resilient Society; Environment & Climate	1,493,889.58	150,351.88	Main List	Partner
99	HORIZON EUROPE	HORIZON-WIDERA-2026-02-WIDENING-01	09/04/2026	SPHERE	SPATIAL PUBLIC HEALTH EPIDEMIOLOGY FOR RESILIENT HEALTH SYSTEMS	Resilient Society	1,500,000.00	1,447,578.56	Below available budget	Coordinator
100	HORIZON EUROPE	HORIZON-WIDERA-2026-02-WIDENING-01	09/04/2026	AERIS	Advancing Environmental Research and Innovation through Scientific Twinning	Environment & Climate	1,499,854.60	753,500.00	Below available budget	Coordinator
101	HORIZON EUROPE	HORIZON-WIDERA-2026-02-WIDENING-01	09/04/2026	ELEVATE	Elevating Earth Observation Capabilities through Drone Technology Integration at the Eratosthenes Centre of Excellence	Big Earth Data Analytics	1,497,375.00	781,875.00	Below available budget	Coordinator
102	HORIZON EUROPE	HORIZON-CL6-2026-03-GOVERNANCE-06	14/04/2026	VISTA	Ventures in Innovative open-source Spatial-Temporal Applications	Environment & Climate	5,996,583.00	371,250.00	Below threshold	Partner
103	HORIZON EUROPE	HORIZON-CL6-2026-02-CLIMATE-02	14/04/2026	EAGLE	NEw AGe of climate-resilient, Low-carbon and sEcure water infrastructures through green, digital and social innovation	Environment & Climate	4,999,403.53	257,400.00	Below available budget	Partner
104	HORIZON EUROPE	HORIZON-CL6-2026-02-FARM2FORK-02-two-stage	14/04/2026	BIOHUBS	Boosting Integrated Organic Systems through European Production Hubs	Environment & Climate	6,000,000.00	0.00	Below available budget	Partner

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.

No	Funding Programme	Topic ID	Call deadline	Acronym	Proposal Title	Department	Proposal Budget	ECoE Budget	Status	Role
105	HORIZON EUROPE	HORIZON-CL5-2026-07-D1-03	15/04/2026	TRUECOST	True Cost of Climate Inaction for the EU Economy	Resilient Society; Environment & Climate	3,999,442.50	310,000.00	Main List	Partner
106	HORIZON EUROPE	HORIZON-CL4-2026-05-DIGITAL-EMERGING-02	15/04/2026	CHORUS-AI	Coordinated Human Oversight & ReUsable, orchestrated agentic Systems for Apply AI	Big Earth Data Analytics	18,997,310.00	536,250.00	Below available budget	Partner
107	HORIZON EUROPE	HORIZON-CL4-2026-04-DIGITAL-EMERGING-09	15/04/2026	SAFEPOLIS	The European AI-Space Flood Local Digital Twin Emergency and Security technology for SAFEty and PrOtection of LIving Systems	Resilient Society	5,616,209.48	601,950.00	Below available budget	Partner
108	HORIZON EUROPE	HORIZON-CL6-2026-03-GOVERNANCE-01-two-stage	15/04/2026	ICARUS	AI-enabled Living Earth Intelligence Hubs for ecosystem resilience and One Health governance supporting sustainable competitiveness and strategic policy making	Resilient Society	5,998,987.00	0.00	Below available budget	Coordinator
109	HORIZON EUROPE	HORIZON-CL6-2026-01-BIODIV-04-two-stage	16/04/2026	Nature-Up	Network of Nature-based Solutions for Evidence-based Upscaling, Policy Mainstreaming and Facilitating a Nature-Positive Economy	Resilient Society	6,000,000.00	0.00	Below available budget	Partner
110	RIF	BRIDGE2HORIZON/0823	16/04/2026	Cy-CRCF-LAB	Cyprus Carbon Removal Carbon Farming Certification Framework: Certification Operations & Interoperability Lab	Environment & Climate	99,716.00	62,132.00	Main List	Coordinator
111	HORIZON EUROPE	HORIZON-CL5-2026-07-D1-02	21/04/2026	MIRAGE	Mapping Institutional and Risk-related Assessment Gaps for Europe	Resilient Society	4,995,812.59	343,681.25	Below available budget	Partner
112	HORIZON EUROPE	HORIZON-EIC-2026-PATHFINDEROPEN	12/05/2026	C-MAP	Crisis Meaning-to-Action Propagation	Resilient Society	3,996,987.50	364,237.50	Submitted - under evaluation	Partner
113	Other European	2026 Science of Trustworthy AI RFP - Schmidt Sciences	17/05/2026	Wildfire Response	Wildfire Response	Resilient Society	2,500,000.00	260,000.00	Below available budget	Partner
114	HORIZON EUROPE	SoS2LearnDBS	31/05/2026	SoS2CoastDBS	Source-to-Sea Coastal Monitoring and Community Action for Marine Litter Reduction in the Danube–Black Sea Region	Resilient Society	962,649.00	149,963.00	Below threshold	Partner
115	Other European	UK Government Biodiversity Challenge Funds	15/06/2026	DPR14S1\1053	Akrotiri Wetlands GIS Observatory for Monitoring and Adaptive Management	Environment & Climate	765,768.21	483,600.00	Submitted - under evaluation	Coordinator

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.

No	Funding Programme	Topic ID	Call deadline	Acronym	Proposal Title	Department	Proposal Budget	ECoE Budget	Status	Role
116	HORIZON EUROPE	HORIZON-INFRA-2026-TECH-01-02	16/06/2026	TRACE-DT	fasTeR Adaptation to Cascading Environmental risks: Semantic Digital Twins for Civil Security and Infrastructure Resilience	Resilient Society; Environment & Climate	7,498,333.61	451,606.25	Submitted - under evaluation	Partner
117	HORIZON EUROPE	HORIZON-INFRA-2026-TECH-01-02	16/06/2026	EOS	Federated Foresight Infrastructure for Climate, Environment and Civil Security	Big Earth Data Analytics	7,499,108.75	400,500.00	Submitted - under evaluation	Partner
118	HORIZON EUROPE	HORIZON-INFRA-2026-TECH-01-01	16/06/2026	RE-MAIN-INFRA	Pan-European Federated Ecosystem for Operational Resilience and Infrastructure Intelligence Services for Research Infrastructures	Environment & Climate	9,996,141.25	250,000.00	Submitted - under evaluation	Partner
119	RIF	CONCEPT/0326	24/06/2026	AEGIS	The Community Safety & Private Security Platform	Resilient Society	40,000.00	5,000.00	Submitted - under evaluation	Partner
120	RIF	CONCEPT/0326	24/06/2026	CoSaLiving	Companion Smart Living: Technology-enhanced environments for independent and safe living.	Resilient Society	40,000.00	5,000.00	Submitted - under evaluation	Partner
121	RIF	CONCEPT/0326/0115	26/06/2026	POSEIDON	Posidonia Oceanica Site Evaluation for Intelligent Decision & Opportunity Networks	Resilient Society	40,000.00	12,000.00	Submitted - under evaluation	Partner
122	ESA	ESA RPA	30/06/2026	ORIZONTAS-CY	Development and Validation of a Cyprus-based Space Domain Awareness Software Platform for Optical Satellite Tracking, Characterization, and Data-as-a-Service Commercialization	Environment & Climate	250,000.00	92,500.00	Submitted - under evaluation	Partner
123	ESA	ESA CfP/5-50183/26/NL/MH/yd	30/06/2026	SAR-SenseAI	SAR-SenseAI : Radar Echoes Data Processing on the Edge	Resilient Society	210,068.00	55,986.00	Submitted - under evaluation	Partner
124	ESA	ESA CfP/5-50183/26/NL/MH/yd First Fixed Call for Proposals under the Requesting Party Activity (RPA) in Cyprus	30/06/2026	STARS	Strengthening Threat Assessment and Resilience for Space-enabled Services	Resilient Society	249,916.00	69,948.00	Submitted - under evaluation	Partner
125	ESA	ESA CfP/5-50183/26/NL/MH/yd First Fixed Call for Proposals under the Requesting Party Activity (RPA) in Cyprus	30/06/2026	STEPS	coaSTal Erosion in cyPrus from Space II	Resilient Society	236,867.00	129,995.00	Submitted - under evaluation	Coordinator

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.

No	Funding Programme	Topic ID	Call deadline	Acronym	Proposal Title	Department	Proposal Budget	ECoE Budget	Status	Role
126	RIF	CONCEPT/0326/0179	30/06/2026	CATERPIE	Canopy Anomaly Tracking and Ensemble Recognition of Pine Infestation Events	Environment & Climate	40,000.00	40,000.00	Submitted - under evaluation	Coordinator
127	RIF	RIF-CKTO/CAP-ENHANCE/0526	22/07/2026	ECoE_LKTO	ECoE_LKTO	Management/Administration	70,000.00	70,000.00	Submitted - under evaluation	Coordinator
128	Other European	26466L01-COP-NCP EDITO PLATFORM DEM-8000	26/08/2026	COAST-CRCP	Coastal Change, Risk and Pollution Monitoring in Cyprus and Romania using Copernicus Products	Resilient Society	300,000.00	175,000.00	Submitted - under evaluation	Coordinator
129	Erasmus+	SEP-211379003	03/09/2026	BLUEHUB	Blue economy skills hub for maritime tourism and innovation	Resilient Society	3,844,429.00	273,200.00	Submitted - under evaluation	Partner
130	Erasmus+	SEP-211394855	03/09/2026	GEOMAINT-CoVE	Centres of Vocational Excellence for Geospatial, Mobile and Predictive Maintenance of Island, Coastal, Lake and Remote Infrastructure	Resilient Society	4,000,000.00	250,000.00	Submitted - under evaluation	Partner
131	Erasmus+	ERASMUS-EDU-2026-PEX-COVE	03/09/2026	AIthos	AIthos - Artificial Intelligence for Tourism, Hospitality and Occupational Skills: a European Centre of Vocational Excellence for AI skills in small tourism businesses	Big Earth Data Analytics	0.00	0.00	Submitted - under evaluation	Partner
132	Erasmus+	ERASMUS-EDU-2026-PEX-COVE	03/09/2026	HEALTH4FIRE	Health Protection and Resilience for Firefighters and Volunteer Responders through Vocational Education	Resilient Society	4,000,000.00	515,526.00	Submitted - under evaluation	Coordinator
133	HORIZON EUROPE	HORIZON-CL4-2026-SPACE-03-61	16/09/2026	ASTRAI	ASTRophysical Data Exploitation through Physics-Informed Space AI	Big Earth Data Analytics	0.00	0.00	Submitted - under evaluation	Coordinator
134	ESA	ESA AO/1-13388/26/I/LR SUSTAINABLE AND ADAPTIVE AGRICULTURE SOLUTIONS - EXPRO+	25/09/2026	HELIOS-EO	Harmonised thErmal, hyperspectraL, and multI-missiOn framework for crop water Stress and agroecosystem resilience - Earth Observation	Environment & Climate	800,000.00	155,000.00	Submitted - under evaluation	Partner
135	Other international	Research Centres Funding Program - Dubai RDI	30/10/2025	CIRCUIT	Centre for Intelligent Resilient Cities Using Innovative Technologies	Environment & Climate; Resilient Society	8,100,000.00	35,400.00	Main List	Partner
136	Erasmus+	ERASMUS-EDU-2026-PI-ALL-INNO-EDU-ENTERP	10/03/2026	ReImagine (2)	Reinventing Smart and Sustainable Tourism through Digital Innovation and Green Practices (2)	Resilient Society	258,258.41	13,089.31	Below threshold	Partner

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.

No	Funding Programme	Topic ID	Call deadline	Acronym	Proposal Title	Department	Proposal Budget	ECoE Budget	Status	Role
137	Creative Culture	CREA-CULT-2026-COOP-1	05/05/2026	Reimagine	AI-Driven Reconstruction and Circulation of Stolen Heritage through Virtual Exhibitions (2)	Resilient Society	200,000.00	50,000.00	Submitted - under evaluation	Coordinator
138	PRIMA	PRIMA Section 2 Multitopics stage 1	15/05/2026	MEDPHIRE stage 1	Mediterranean Phytosanitary Intelligence and Resilience for Emerging Pests stage 1	Environment & Climate	1,484,000.00	135,000.00	1st Stage Shortlisted	Partner
139	Other international	CASSINI SPACE CAMP	28/06/2026	CASSINI SPACE CAMP	CASSINI SPACE CAMP	Resilient Society	36,500.00	36,500.00	Main List	Coordinator
140	RIF	ENTERPRISES/0326	30/06/2026	AgentFlow	An Agentic AI System for Automated Client Request Processing and Configuration Management in Multi-Tenant Financial Platforms	Big Earth Data Analytics	150,000.00	25,000.00	Submitted - under evaluation	Partner
141	ESA	ESA CfP/5-50183	30/06/2026	ECOE-BEDA-001	Agentic discovery of interpretable spectral indices for drought and urban-heat monitoring: a preparatory activity to build national Earth Observation capability in Cyprus	Big Earth Data Analytics	200,000.00	200,000.00	Submitted - under evaluation	Coordinator
142	HORIZON EUROPE	HORIZON-MSCA-2026-PF-01-01	09/09/2026	ISLANDHAZ	Aqua–Terra–Culture: An Integrated Framework for Multi-Hazard Climate Adaptation in Mediterranean Island Socio-Ecological Systems	Resilient Society	180,388.80	180,388.80	Submitted - under evaluation	Coordinator
143	HORIZON EUROPE	HORIZON-CL4-2026-SPACE-03-32	15/09/2026	LUCID	A Technology Demonstrator for Distributed Earth Observation Constellations Using Coordinated Atmospheric-Electricity Observations	Big Earth Data Analytics	9,325,825.00	300,500.00	Submitted - under evaluation	Partner
144	HORIZON EUROPE	HORIZON-CL3-2026-02-CS-ECCC-01	15/09/2026	CyberSEMICON	CYBERsecure SEMICONductor-to-Software Sovereign Ecosystem for Multi-layer Integrated Computing, Orchestration, Assurance and Network Security	Big Earth Data Analytics	3,819,166.25	204,986.25	Submitted - under evaluation	Partner
145	HORIZON EUROPE	HORIZON-CL6-2026-01-CIRCBIO-09	17/09/2026	CHAIN4BIO	Balancing food security, bioeconomy, climate and biodiversity objectives to unlock sustainable value chains	Environment & Climate	0.00	0.00	Submitted - under evaluation	Partner
146	HORIZON EUROPE	HORIZON-MISS-2026-01-CLIMA-0	20/09/2026	PHAROS	Protecting Heritage through Adaptive Resilience, Open monitoring and Stakeholder co-creation	Big Earth Data Analytics	6,700,000.00	321,000.00	Submitted - under evaluation	Partner
147	Other international	Darwin Plus Round 14: Main, Stage 2	21/09/2026	DPR14S2\1033	Akrotiri Wetlands GIS Observatory for Monitoring and Adaptive Management (second stage)	Environment & Climate		483,600.00	Submitted - under evaluation	Coordinator

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.

No	Funding Programme	Topic ID	Call deadline	Acronym	Proposal Title	Department	Proposal Budget	ECoE Budget	Status	Role
148	HORIZON EUROPE	HORIZON-CL6-2026-01-BIODIV-05	22/09/2026	BioFrame Observe	BioFrame Observe	Environment & Climate; Management/Administration	0.00	0.00	Submitted - under evaluation	Partner
149	HORIZON EUROPE	HORIZON-MISS-2026-06-CLIMA-SOIL	23/09/2026	SoilNexus	Soil Resilience Nexus for Climate Extremes and Food Security	Resilient Society	9,999,616.04	277,500.00	Submitted - under evaluation	Partner
150	HORIZON EUROPE	HORIZON-MISS-2026-01-CLIMA-05	23/09/2026	GAIAN	Climate Heritage Intelligence Ecosystem for Adaptation and Replication	Resilient Society	6,998,487.50	471,250.00	Submitted - under evaluation	Partner
151	HORIZON EUROPE	HORIZON-MISS-2026-06-CLIMA-SOIL	23/09/2026	SOILIRIS	Soil Resilience Intelligence for Climate-Secure Food Systems	Environment & Climate	9,995,910.00	451,875.00	Submitted - under evaluation	Partner
152	HORIZON EUROPE	HORIZON-MISS-2026-05-SOIL-03	23/09/2026	SOIL4UKRAINE	Strengthening Regional Soil R&I Ecosystems for Ukraine's Resilient Recovery	Environment & Climate	4,998,980.00	401,825.00	Submitted - under evaluation	Partner
153	HORIZON EUROPE	HORIZON-CL6-2026-01-ZEROPOLLUTION-02	23/09/2026	RESTORE-UA	Restoring Ukraine's Contaminated Ecosystems through Bioremediation, Nature-based Solutions and Circular Recovery	Environment & Climate	0.00	0.00	Submitted - under evaluation	Partner
154	HORIZON EUROPE	HORIZON-CL6-2026-01-CIRCBIO-09	23/09/2026	FAIRVALUE	Fair Value for Sustainable European Agricultural Value Chains	Environment & Climate	0.00	0.00	Submitted - under evaluation	Partner
155	HORIZON EUROPE	HORIZON-MISS-2026-01-CLIMA-05	23/09/2026	TUTELA	Multi-hazard climate risk assessment and resilience toolbox demonstration: Guardianship of built and movable Cultural Heritage	Resilient Society	7,542,566.25	260,000.00	Submitted - under evaluation	Partner
156	HORIZON EUROPE	HORIZON-CL6-2026-01-BIODIV-05	23/09/2026	EcoFutures	Advancing integrated ecosystem scenarios and prediction models for a nature-positive Europe	Environment & Climate	0.00	0.00	Submitted - under evaluation	Coordinator
157	HORIZON EUROPE	HORIZON-CL6-2026-01-BIODIV-04	23/09/2026	RUPES	Resilient and unified protected ecosystems under multiple pressures: Integrating biodiversity risk prediction, adaptive management and cross-site validation	Environment & Climate	5,863,705.00	0.00	Submitted - under evaluation	Partner
158	HORIZON EUROPE	HORIZON-MISS-2026-06-CLIMA-SOIL	23/09/2026	SCARLET	Soil–Climate Adaptation and Resilience for Landscapes exposed to Extreme-weather events towards food security	Environment & Climate	10,645,014.98	330,000.00	Submitted - under evaluation	Partner

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.

No	Funding Programme	Topic ID	Call deadline	Acronym	Proposal Title	Department	Proposal Budget	ECoE Budget	Status	Role
159	HORIZON EUROPE	HORIZON-CL6-2026-01-ZEROPOLLUTION-03	23/09/2026	AGROMAR	Managed Aquifer Recharge - A Pathway to Sustainable Agriculture and Ecosystem Health	Resilient Society	0.00	0.00	Submitted - under evaluation	Partner
160	HORIZON EUROPE	HORIZON-CL6-2026-01-BIODIV-06	23/09/2026	AgroBoost	Boosting Functional Agrobiodiversity for Resilient, Competitive and Sustainable Farming Systems	Environment & Climate	0.00	0.00	Submitted - under evaluation	Coordinator
161	HORIZON EUROPE	HORIZON-WIDERA-2026-01-WIDENING-01	24/09/2026	TEAM-SHINE	TEAMING SYNERGIES HUB: BUILDING A SUSTAINABLE, IMPACT-DRIVEN AND INTEGRATED ECOSYSTEM OF CENTRES OF EXCELLENCE	Management/Administration	6,999,950.00	830,325.00	Submitted - under evaluation	Coordinator
162	HORIZON EUROPE	HORIZON-CL2-2026-01-HERITAGE-07	24/09/2026	CULT2RACE	STRENGTHENING MULTISTAKEHOLDER COOPERATION FOR CULTURAL GOODS TRACEABILITY AND COUNTER-TRAFFICKING	Resilient Society	4,999,839.08	308,687.50	Submitted - under evaluation	Partner
163	HORIZON EUROPE	HORIZON-MISS-2026-01-CLIMA-05	24/09/2026	HERITAGEGUARD	INTEGRATED RISK-TO-ACTION FRAMEWORK FOR CLIMATE-RESILIENT CULTURAL HERITAGE	Resilient Society	5,519,630.46	736,842.50	Submitted - under evaluation	Partner
164	HORIZON EUROPE	HORIZON-CL2-2026-01-HERITAGE-03	24/09/2026	LIVING AI	Ethical AI co-pilots for transforming Mediterranean oral and performative living heritage into accessible and sustainable creative services — European innovation and market validation	Resilient Society	4,346,732.50	238,437.50	Submitted - under evaluation	Partner
165	HORIZON EUROPE	HORIZON-CL2-2026-01-HERITAGE-07	24/09/2026	TRIGON	Trustworthy, Integrated and Operational Nexus (TRIGON) for Countering Illicit Trafficking of Cultural Goods	Resilient Society	4,223,981.85	344,750.00	Submitted - under evaluation	Partner
166	HORIZON EUROPE	HORIZON-MISS-2026-03-OCEAN-05	25/09/2026	MEDGATES	MEDITERRANEAN GEOSPATIAL AND TEMPORAL ASSESSMENT OF MARITIME TRANSPORT ENVIRONMENTAL STRESSORS	Resilient Society	4,848,831.25	281,140.00	Submitted - under evaluation	Partner
167	PRIMA	PRIMA Section 2 Multitopics second stage	29/09/2026	MEDPHIRE stage 2	Mediterranean Phytosanitary Intelligence and Resilience for Emerging Pests (second stage)	Environment & Climate	1,534,000.00	135,000.00	Submitted - under evaluation	Partner
168	Other European	EDF-2026-RA-SI-UWW-CSBI-STEP	29/09/2026	SEAGUARDIAN	Integrated AI-enabled Layered Maritime System for the Protection and Resilience of Critical Seabed Infrastructure	Resilient Society	0.00	0.00	Submitted - under evaluation	Partner
169	Erasmus+	N/A	30/09/2026	TRAIN4CPP	Creation of training material for Cultural Property Protection	Resilient Society	0.00	0.00	Submitted - under evaluation	Coordinator

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.

No	Funding Programme	Topic ID	Call deadline	Acronym	Proposal Title	Department	Proposal Budget	ECoE Budget	Status	Role
170	Erasmus+	N/A	30/09/2026	SATCULT+	SAtellite Data Supported Training for CULTural Heritage Protection	Resilient Society	0.00	0.00	Submitted - under evaluation	Partner
171	Other national	Integrated Regeneration Programme for the Fire-Affected Communities of the Troodos Region	30/09/2026	Regenerate	Framework for the Development of a Methodological Guide and the Implementation of Immediate High-Priority Actions	Environment & Climate	0.00	0.00	Main List	Partner

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.

Annex III - Participation in International Conferences, Workshops and Exhibitions

Title	Location	Date	Event Type	No. of keynote/ invited talks	No. of oral presentations	No. of poster presentations	No. of panel contributions	Detailed Reporting
Career Days AUTH 2025	Thessaloniki, Greece	02-04/04/2025	Other					D9.12 Report on the participation in int. events and organization of int. conferences
ISPRS Geospatial Week 2025: Photogrammetry and Remote Sensing for a Better Tomorrow	Dubai, United Arab Emirates	06/04-12/04/2025	Conference		2	5		D9.12 Report on the participation in int. events and organization of int. conferences
ENQA (European Association for Quality Assurance in Higher Education) meeting	Paphos, Cyprus	09-11/04/2025	Other		1			D9.12 Report on the participation in int. events and organization of int. conferences
EGU General Assembly 2025	Vienna, Austria	27/04-02/05/2025	Conference		3	2		D9.12 Report on the participation in int. events and organization of int. conferences
12th International Symposium on Managed Aquifer Recharge (ISMAR12)	Stellenbosch, South Africa	28/04-02/05/2025	Conference			1		D9.12 Report on the participation in int. events and organization of int. conferences
Joint Urban Remote Sensing Event (JURSE 2025)	Tunis, Tunisia	03/05/2025	Conference			1		D9.12 Report on the participation in int. events and organization of int. conferences
GEO Global Forum 2025 "The Earth Talks"	Rome, Italy	05-09/05/2025	Workshop		1			D9.12 Report on the participation in int. events and organization of int. conferences
3rd Pan-Cyprian Conference on Agricultural Development: From Research to Practice	Lefkara, Limassol	08/05/2025	Conference			4		D9.12 Report on the participation in int. events and organization of int. conferences
Cyprus Diaspora Forum	Limassol, Cyprus	08/05/2025	Other					D9.12 Report on the participation in int. events and organization of int. conferences
ECO-Ready International Conference	Limassol, Cyprus	12-15/05/2025	Conference	1	2			D9.12 Report on the participation in int. events and organization of int. conferences
New Capabilities and Countries in European Space Conference	Frascati, Italy	14-15/05/2025	Conference		1			D9.12 Report on the participation in int. events and organization of int. conferences
Reflect Festival	Limassol, Cyprus	15-16/05/2025	Other					D9.12 Report on the participation in int. events and organization of int. conferences
ACTRIS CCRES Cloud Remote Sensing Online Community workshop	Online	19-20/05/2025	Workshop					D9.12 Report on the participation in int. events and organization of int. conferences

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.

Title	Location	Date	Event Type	No. of keynote/ invited talks	No. of oral presentations	No. of poster presentations	No. of panel contributions	Detailed Reporting
Keros Field School 2025	Koufonisia, Greece	21-23/05/2025	Other					D9.12 Report on the participation in int. events and organization of int. conferences
12th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE) and SECOTOX Conference	Mykonos, Greece	25-29/05/2025	Conference			1		D9.12 Report on the participation in int. events and organization of int. conferences
HARMONIA COST Action Training School "Above the Clouds"	Izana, Tenerife	26-28/05/2025	Workshop					D9.12 Report on the participation in int. events and organization of int. conferences
CSDP Orientation Course	Nicosia, Cyprus	27/05/2025	Workshop					D9.12 Report on the participation in int. events and organization of int. conferences
Investopia Global - Mediterranean	Limassol, Cyprus	09-10/06/2025	Other					D9.12 Report on the participation in int. events and organization of int. conferences
ECVT Cloud and Precipitation Subgroup Meeting #7	Online	10/06/2025	Workshop					D9.12 Report on the participation in int. events and organization of int. conferences
WEkEO 4 Climate Change 2025	Online	10-12/06/2025	Workshop					D9.12 Report on the participation in int. events and organization of int. conferences
ENFIELD Innovation and Space Workshop	Madrid, Spain	11-12/06/2025	Workshop					D9.12 Report on the participation in int. events and organization of int. conferences
ESA Living Planet 2025 Symposium	Vienna, Austria	23-27/06/2025	Conference		3	10		D9.12 Report on the participation in int. events and organization of int. conferences
7th Euro-Mediterranean Conference for Environmental Integration (EMCEI-2025)	Reggio Calabria	23-26/06/2025	Conference		1			D9.12 Report on the participation in int. events and organization of int. conferences
"Commercial Earth Observation for Boosting Policy Impact?" evening debate	Vienna, Austria	25/06/2025	Other					D9.12 Report on the participation in int. events and organization of int. conferences
12th International Conference on Sustainable Solid Waste Management	Paphos, Cyprus	27/06/2025	Conference		1			D9.12 Report on the participation in int. events and organization of int. conferences
PANGEA4CalVal Summer School	Athens, Greece	21-25/07/2025	Workshop					D9.12 Report on the participation in int. events and organization of int. conferences
45th International Geoscience and Remote Sensing Symposium (IGARSS 2025)	Brisbane, Australia	03-08/08/2025	Conference		1	1		D9.12 Report on the participation in int. events and organization of int. conferences

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.

Title	Location	Date	Event Type	No. of keynote/ invited talks	No. of oral presentations	No. of poster presentations	No. of panel contributions	Detailed Reporting
European Aerosol Conference 2025 (EAC 2025)	Lecce, Italy	31/08-05/09/2025	Conference			3		D9.12 Report on the participation in int. events and organization of int. conferences
ACTRIS CCRES/CLU Training School	Munich, Germany	02-05/09/2025	Workshop					D9.12 Report on the participation in int. events and organization of int. conferences
9th Copernicus Atmosphere Monitoring Service (CAMS) General Assembly	Prague, Czech Republic	03-05/09/2025	Other					D9.12 Report on the participation in int. events and organization of int. conferences
EUROCrim2025 Annual Conference of the European Society of Criminology (ESC)	Athens, Greece	04-16/09/2025	Conference		1			D9.12 Report on the participation in int. events and organization of int. conferences
WEkEO 4 Ice Monitoring	Online	08-10/09/2025	Workshop					D9.12 Report on the participation in int. events and organization of int. conferences
Digital Heritage 2025 Conference	Siena, Italy	08-13/09/2025	Conference		1			D9.12 Report on the participation in int. events and organization of int. conferences
AIIH 2025 Conference	Cambridge/UK	08-10/09/2025	Conference		1			D9.12 Report on the participation in int. events and organization of int. conferences
European Lidar Conference (ELC) 2025	Warsaw, Poland	09-12/09/2025	Conference		2	1		D9.12 Report on the participation in int. events and organization of int. conferences
COST Action Leadership Programme Training	Brussels, Belgium	10/09/2025	Workshop					D9.12 Report on the participation in int. events and organization of int. conferences
SPIE Sensors + Imaging Conference	Madrid, Spain	15-18/09/2025	Conference		3			D9.12 Report on the participation in int. events and organization of int. conferences
MSCA Presidency Conference	Copenhagen, Denmark	18-19/09/2025	Conference		1			D9.12 Report on the participation in int. events and organization of int. conferences
Athens Space Safety Industry Briefing	Athens, Greece	18/09/2025	Other					D9.12 Report on the participation in int. events and organization of int. conferences
4th Doha Conference on Combating the Illicit Trafficking of Cultural Property	Doha, Qatar	21-24/09/2025	Conference		1			D9.12 Report on the participation in int. events and organization of int. conferences
17th International Conference on Meteorology, Climatology & Atmospheric Physics (COMECAP 2025)	Nicosia, Cyprus	29/09-01/10/2025	Conference		4	3		D9.12 Report on the participation in int. events and organization of int. conferences

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.

Title	Location	Date	Event Type	No. of keynote/ invited talks	No. of oral presentations	No. of poster presentations	No. of panel contributions	Detailed Reporting
GITEX Global 2025	Dubai, UAE	13-17/10/2025	Conference					D9.12 Report on the participation in int. events and organization of int. conferences
Seventh Joint ECMWF/ESA/EUMETSAT Training on Atmospheric Composition	Brussels, Belgium	13-17/10/2025	Workshop					D9.12 Report on the participation in int. events and organization of int. conferences
4th Teaming Club Conference	Porto, Portugal	15-17/10/2025	Conference					D9.12 Report on the participation in int. events and organization of int. conferences
EMC Cyprus 2025 (Eastern Mediterranean Energy Conference & Exhibition)	Limassol, Cyprus	20-21/10/2025	Conference					D9.12 Report on the participation in int. events and organization of int. conferences
ACTRIS Week 2025	Evora, Portugal	21-23/10/2025	Conference		1			D9.12 Report on the participation in int. events and organization of int. conferences
Synergy Days 2025	Rotterdam, Netherlands	21-22/10/2025	Workshop		1			D9.12 Report on the participation in int. events and organization of int. conferences
IEEE MetroAgriFor 2025	Bologna, Italy	28-30/10/2025	Conference		1			D9.12 Report on the participation in int. events and organization of int. conferences
Mediterranean Archaeological Tourism Exchange in Paestum (BMTA 2025)	Paestum, Italy	31/10-02/11/2025	Conference		1			D9.12 Report on the participation in int. events and organization of int. conferences
POLCYBER 2025: Polish-Cypriot Cooperation on Defence and Cybersecurity (KEBE)	Nicosia, Cyprus	06/11/2025	Other					D9.12 Report on the participation in int. events and organization of int. conferences
17th International Interdisciplinary Field Workshop of Maritime Robotics and Applications - Breaking the Surface (BtS)	Limassol, Cyprus	09-14/11/2025	Workshop					D9.12 Report on the participation in int. events and organization of int. conferences
MedGU 2025 Mediterranean Geosciences Union	Athens, Greece	10-12/11/2025	Conference		8			D9.12 Report on the participation in int. events and organization of int. conferences
Cyprus France Cooperation & Innovation Forum (KEBE)	Nicosia, Cyprus	13/11/2025	Other					D9.12 Report on the participation in int. events and organization of int. conferences
Space Tech Expo Europe 2025	Bremen, Germany	17-20/11/2025	Other					D9.12 Report on the participation in int. events and organization of int. conferences
GIS Day 2025	Limassol, Cyprus	20/11/2025	Workshop		2			D9.12 Report on the participation in int. events and organization of int. conferences

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.

Title	Location	Date	Event Type	No. of keynote/ invited talks	No. of oral presentations	No. of poster presentations	No. of panel contributions	Detailed Reporting
EarthCARE Science and Validation Workshop	Tokyo Japan	01-05/12/2025	Conference			2		D9.12 Report on the participation in int. events and organization of int. conferences
5th "Heritage in War and Peace" International Conference	Kaunas, Lithuania	04-05/12/2025	Conference		1			D9.12 Report on the participation in int. events and organization of int. conferences
"Carbon Farming: Benefits in the Mediterranean region" Conference	Thessaloniki, Greece	10/12/2025	Conference		1			D9.12 Report on the participation in int. events and organization of int. conferences
"Empowering Cyprus Space Stakeholders: ESA Associate Membership and Optional Programmes" Workshop	Nicosia, Cyprus	09/01/2026	Other					D9.12 Report on the participation in int. events and organization of int. conferences
Joint consortium workshop for networking and proposal preparation	Rabat, Malta	14-18/01/2026	Workshop					D9.12 Report on the participation in int. events and organization of int. conferences
Cyprus-India AI Impact pre-summit Driving Innovation and Growth	Nicosia, Cyprus	14/01/2026	Other					D9.12 Report on the participation in int. events and organization of int. conferences
18th European Space Conference	Brussels, Belgium	26-29/01/2026	Conference					D9.12 Report on the participation in int. events and organization of int. conferences
EOcafe: Cyprus at the Helm: Exploring its EU Space Priorities and EO Ecosystem	Online	05/02/2026	Other					D9.12 Report on the participation in int. events and organization of int. conferences
Solar Winter School 2026	Antibes, France	16-20/02/2026	Workshop					D9.12 Report on the participation in int. events and organization of int. conferences
CPP4ALL Kick off Conference: "Cultural Property Protection: A holistic approach to a crosscutting challenge"	Podgorica, Montenegro	17-18/02/2026	Conference		1			D9.12 Report on the participation in int. events and organization of int. conferences
CAMS 9th Policy User Workshop	Budapest, Hungary	04-05/03/2026	Workshop		1			D9.12 Report on the participation in int. events and organization of int. conferences
Immersive Heritage Conference 2026	Timișoara, Romania	18-20/03/2026	Conference		1			D9.12 Report on the participation in int. events and organization of int. conferences
Climate Neutral Blue Cities by 2030	Limassol, Cyprus	19-20/03/2026	Conference					D9.12 Report on the participation in int. events and organization of int. conferences
27th EAC General Assembly and Heritage Symposium	Santillana del Mar, Spain	19-21/03/2026	Conference					D9.12 Report on the participation in int. events and organization of int. conferences

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.

Title	Location	Date	Event Type	No. of keynote/ invited talks	No. of oral presentations	No. of poster presentations	No. of panel contributions	Detailed Reporting
Panorama of Entrepreneurship and Career Development 2026	Athens, Greece	27-29/03/2026	Other					D9.12 Report on the participation in int. events and organization of int. conferences
Computer Applications and Quantitative Methods in Archaeology (CAA) 2026 International Conference	Vienna, Austria	31/03-04/04/2026	Conference		2			D9.12 Report on the participation in int. events and organization of int. conferences
5th ECMWF-ESA Machine Learning Workshop	Bologna, Italy	13-17/04/2026	Workshop					D9.12 Report on the participation in int. events and organization of int. conferences
ACTRIS Science Conference 2026	Oslo, Norway	20-23/04/2026	Conference		1	3		D9.12 Report on the participation in int. events and organization of int. conferences
Dust-DN Workshop	Larnaca, Cyprus	20-22/04/2026	Workshop		1			D9.12 Report on the participation in int. events and organization of int. conferences
International Symposium: Cultural Property Protection - An enabler for cooperation in Europe, the Mediterranean and the Gulf region	Nicosia, Cyprus	20-21/04/2026	Workshop		2			D9.12 Report on the participation in int. events and organization of int. conferences
ESA PECS and Associate Member States Industry Days	Valletta, Malta	23-24/04/2026	Other					D9.12 Report on the participation in int. events and organization of int. conferences
RSCy2026: Twelfth International Conference on Remote Sensing and Geoinformation of the Environment	Pafos, Cyprus	27-29/04/2026	Conference	2	44	11		D9.12 Report on the participation in int. events and organization of int. conferences
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)"	Online	27/04/2026	Workshop		4			D9.12 Report on the participation in int. events and organization of int. conferences
Informal Meeting of the CAP Directors	Limassol & Paphos, Cyprus	28-30/04/2026	Other					D9.12 Report on the participation in int. events and organization of int. conferences
European Geosciences Union (EGU) General Assembly 2026	Vienna, Austria	03-08/05/2026	Conference					D9.12 Report on the participation in int. events and organization of int. conferences
3rd Euro-Mediterranean High-Level Workshop on Fire Risks	Paphos, Cyprus	06-08/05/2026	Conference		1			D9.12 Report on the participation in int. events and organization of int. conferences

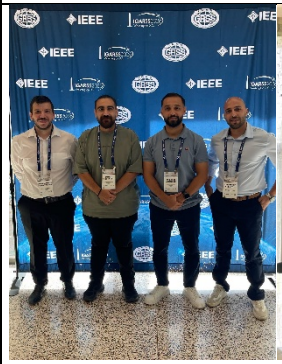
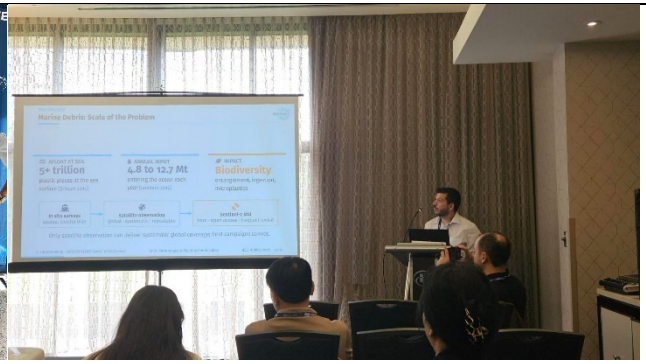
This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 857510.

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.

Title	Location	Date	Event Type	No. of keynote/ invited talks	No. of oral presentations	No. of poster presentations	No. of panel contributions	Detailed Reporting
Riding the Wave: Advancing the EU Ocean Pact through Science, Innovation and Cooperation	Ammochostos, Cyprus	11-12/05/2026	Conference	1			3	D9.12 Report on the participation in int. events and organization of int. conferences
Crop Health Alliance Meeting	Frascati, Italy	11-12/05/2026	Workshop					D9.12 Report on the participation in int. events and organization of int. conferences
ESA Agriculture Science Cluster meeting	Frascati, Italy	12-13/05/2026	Workshop					
Workshop on Maritime Spatial Planning	Athens, Greece	15/05/2026	Workshop		1			D9.12 Report on the participation in int. events and organization of int. conferences
1st India-Cyprus Space Day	Online	18/05/2026	Other		1			D9.12 Report on the participation in int. events and organization of int. conferences
DOERS Summit	Limassol, Cyprus	21-22/05/2026	Other					D9.12 Report on the participation in int. events and organization of int. conferences
49th Working Group on Groundwater and Workshop	Ayia Napa, Cyprus	26-28/05/2026	Workshop		1			D9.12 Report on the participation in int. events and organization of int. conferences
EU Space Days 2026	Nicosia, Cyprus	26-27/05/2026	Conference				2	D9.12 Report on the participation in int. events and organization of int. conferences
2026 General Assembly of the EU Space Networks	Nicosia, Cyprus	27-28/05/2026	Conference		4		4	D9.12 Report on the participation in int. events and organization of int. conferences
European Maritime Day 2026	Limassol, Cyprus	28/05/2026	Conference		1			D9.12 Report on the participation in int. events and organization of int. conferences
EU CULTNET Meeting	Ayia Napa, Cyprus	04-15/06/2026	Conference		1			D9.12 Report on the participation in int. events and organization of int. conferences
From Space to Solutions	Nicosia, Cyprus	08/06/2026	Conference		5		3	D9.12 Report on the participation in int. events and organization of int. conferences
EarthCARE 2026 Science and Validation Workshop	Oxford, UK	08-12/06/2026	Conference			5		D9.12 Report on the participation in int. events and organization of int. conferences
ESA FRINGE 2026	Krakow, Poland	15-19/06/2026	Conference			1		D9.12 Report on the participation in int. events and organization of int. conferences
CHANGES Conference in Warsaw	Warsaw, Poland	21-25/06/2026	Conference		2			D9.12 Report on the participation in int. events and organization of int. conferences
"Protecting Cultural Heritage and Combating Illicit Trafficking: The Nicosia Convention 2017" webinar	Online	24/06/2026	Workshop		1			D9.12 Report on the participation in int. events and organization of int. conferences

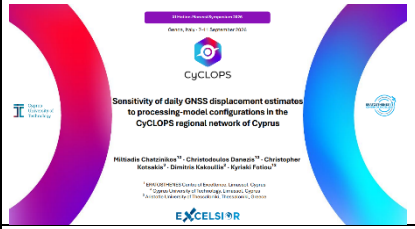
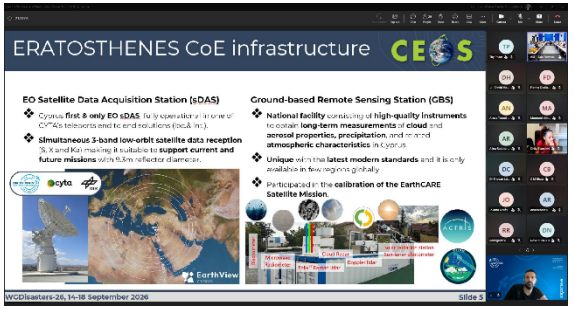
This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 857510.

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.

Title	Location	Date	Event Type	No. of keynote/ invited talks	No. of oral presentations	No. of poster presentations	No. of panel contributions	Detailed Reporting
International Laser Radar Conference (ILRC32)	Hiroshima, Japan	05-10/07/2026	Conference		1	3		D9.12 Report on the participation in int. events and organization of int. conferences
Airbus Global Geospatial Customer Event	Toulouse, France	07-09/07/2026	Other					D9.12 Report on the participation in int. events and organization of int. conferences
Greek Space Tech Forum 2026	Athens, Greece	07-08/07/2026	Conference & Exhibition	1			1	D9.12 Report on the participation in int. events and organization of int. conferences
The Fabric of Heritage Protection: Co-creating Comprehensive Provenance Ecosystems	Budapest, Hungary	14/07/2026	Workshop		1			D9.12 Report on the participation in int. events and organization of int. conferences
IEEE IGARSS 2026	Washington D.C., USA	09-14/08/2026	Conference		3	2		  ECoE was represented at IEEE IGARSS 2026 in Washington, D.C., one of the world's leading conferences on Earth Observation and Remote Sensing. As a leading regional hub for Earth Observation, Space Technology and Geoinformation, ERATOSTHENES CoE connects Cyprus and the EMMENA region with the international scientific community, strengthening links with researchers and institutions in the United States and beyond. Our team presented research across a range of innovative applications: Charalambos Chrysostomou: satellite based detection of marine debris Stelios Neophytides: on causal discovery in irrigated mediterranean citrus orchards and land cover mapping using AlphaEarth embeddings Kyriakos Aristidou: unsupervised SAR based ship detection Konstantinos Christofi: Sentinel 2 feature selection for oil spill detection

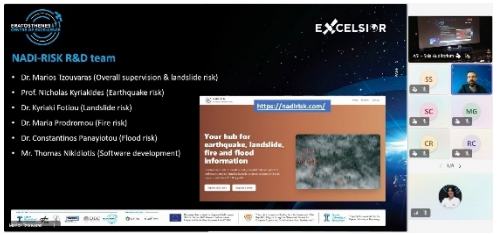
This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 857510.

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.

Title	Location	Date	Event Type	No. of keynote/ invited talks	No. of oral presentations	No. of poster presentations	No. of panel contributions	Detailed Reporting
								A valuable opportunity to showcase our research, technologies and innovative solutions, exchange knowledge and strengthen international collaboration in Earth Observation and Remote Sensing.
XI Hotine-Marussi 2026 Symposium	Genova, Italy	07-11/09/2026	Conference		1		1	 Title of Oral presentation: Sensitivity of daily GNSS displacement estimates to processing-model configurations in the CyCLOPS regional network of Cyprus
TerraEnVision	Trier, Germany	07-10/09/2026	Conference		1			 Presentation of the latest article entitled: Drivers of Triple Direction (Environmental – Societal – Economic) for Enhanced Forecasting of Future Land Use/Land Cover Transformations: Reviewing the CLUE-S Modelling Framework in Mediterranean Settings. Co-authored with I.Varvaris and D.Hadjimitsis
CEOS WG Disasters meeting	Rome, Italy (Hybrid)	14-18/09/2026	Workshop		1			 Representing the Centre, Dr Marios Tzouvaras participated online in the Working Group meetings and presented the Centre's growing portfolio of activities in Disaster Risk Reduction (DRR), showcasing its expertise in Earth Observation, remote sensing, AI/ML and geospatial technologies for disaster risk assessment, preparedness and resilience. A particular focus was placed on the Centre's role as a Digital Innovation Hub supporting research, innovation, technology transfer, and capacity building across the EMMENA (Eastern Mediterranean, Middle East, and North Africa) region and its critical infrastructures DAS and GBS, highlighting its commitment to strengthening the use of advanced Earth Observation technologies for disaster management.

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.

Title	Location	Date	Event Type	No. of keynote/ invited talks	No. of oral presentations	No. of poster presentations	No. of panel contributions	Detailed Reporting
ASI–CEOS WGD workshop "Earth Observation for Disaster Management"	Rome, Italy (Hybrid)	16/09/2026	Workshop		1			 ERATOSTHENES CoE contributed to the international ASI–CEOS WGD workshop "Earth Observation for Disaster Management". Dr. Marios Tzouvaras presented the NADI-RISK tool, developed by ERATOSTHENES CoE, a practical example of how Earth Observation and geospatial technologies can be transformed into practical tools for disaster risk assessment and resilience.
ESA Industry Space Days	Noordweijk, Netherlands	16-17/09/2026	Conference & Exhibition					 European Space Agency Industry Space Days (ISD) 2026 brought together space-industry stakeholders, including companies, research organisations, startups and institutional representatives, to exchange on emerging opportunities, technologies and collaborations across the European space sector. The event provided a platform for networking, business matchmaking and discussions on ESA programmes, industry priorities and opportunities for developing new partnerships and space-based solutions.

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.

Annex IV - Meetings and Engagement Activities with Stakeholders

Title	Location	Date	Detailed Reporting
Meeting with the Centre of Excellence in Risk & Decision Sciences, European University Cyprus	Online	07/04/2025	 ECoE participated in a strategic meeting held on 7 April 2025 with the Cyprus University of Technology and the Centre of Excellence in Risk and Decision Sciences (CERIDES) at the European University Cyprus, represented by Prof. George Boustras. The meeting built upon the existing Memorandum of Understanding between ECoE and CERIDES, focusing on identifying new opportunities for collaboration in research, innovation, and risk management. The discussion reinforced the commitment of all parties to advance joint initiatives within the framework of the EXCELSIOR project, strengthening interdisciplinary cooperation and enhancing the impact of research activities at both national and European levels.
Drone Live Presentation - Hungarian B2B Event for Agriculture & Industry	Limassol, Cyprus	14/05/2025	D9.12 Report on the participation in int. events and organization of int. conferences
1st Business Mission of the Cyprus Baltic States Business Association (CBBA) in Lithuania	Vilnius & Kaunas, Lithuania	03-05/06/2025	D9.12 Report on the participation in int. events and organization of int. conferences
Meeting with NVIDIA US	Nicosia, Cyprus	06/06/2025	D9.12 Report on the participation in int. events and organization of int. conferences
Meeting with the Embassy of the State of Qatar in Nicosia	Nicosia, Cyprus	11/06/2025	D9.12 Report on the participation in int. events and organization of int. conferences
Amcham Us Independence Day Celebration Event	Nicosia/Cyprus	18/06/2025	D9.12 Report on the participation in int. events and organization of int. conferences
Visit by the Ambassador of the United Arab Emirates to the Republic of Cyprus	Limassol, Cyprus	25/06/2025	D9.12 Report on the participation in int. events and organization of int. conferences
Visit at the United Nations Headquarters in Vienna	Vienna, Austria	26/06/2025	D9.12 Report on the participation in int. events and organization of int. conferences
Diplomatic Event of the High Commission of Canada to Cyprus	Nicosia, Cyprus	11/07/2025	D9.12 Report on the participation in int. events and organization of int. conferences

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.

Title	Location	Date	Detailed Reporting
Meeting with the University of Thessaly	Nicosia, Cyprus	17/07/2025	D9.12 Report on the participation in int. events and organization of int. conferences
Visit by the Deputy Chief of Mission at the German Embassy in Cyprus	Limassol, Cyprus	22/07/2025	D9.12 Report on the participation in int. events and organization of int. conferences
Visit by the Cyprus Germany Business Association (CGBA)	Limassol, Cyprus	22/07/2025	D9.12 Report on the participation in int. events and organization of int. conferences
Visit by the Ambassador of France to Cyprus	Limassol, Cyprus	23/07/2025	D9.12 Report on the participation in int. events and organization of int. conferences
Meeting with Axiom Space	Limassol, Cyprus	28/08/2025	D9.12 Report on the participation in int. events and organization of int. conferences
Visit by the the High Commissioner of India to Cyprus	Limassol, Cyprus	03/09/2025	D9.12 Report on the participation in int. events and organization of int. conferences
Business Lunch with the German Embassy	Limassol, Cyprus	17/09/2025	D9.12 Report on the participation in int. events and organization of int. conferences
Navigating India: An Evening of Strategy & Sips	Nicosia, Cyprus	18/09/2025	D9.12 Report on the participation in int. events and organization of int. conferences
KENDRIS Seminar on Structuring Global Wealth	Larnaca, Cyprus	24/09/2025	D9.12 Report on the participation in int. events and organization of int. conferences
Inauguration ceremony of the National and Kapodistrian University of Athens (NKUA) Cyprus Branch	Nicosia, Cyprus	03/11/2025	D9.12 Report on the participation in int. events and organization of int. conferences
AmCham Annual Thanksgiving Gala Dinner 2025	Nicosia, Cyprus	02/12/2025	D9.12 Report on the participation in int. events and organization of int. conferences
Delegation of the Bombay Chamber of Commerce (KEBE)	Limassol, Cyprus	05/12/2025	D9.12 Report on the participation in int. events and organization of int. conferences
UAE National Day Celebration	Nicosia, Cyprus	05/12/2025	D9.12 Report on the participation in int. events and organization of int. conferences
Visit from the Institute for Interdisciplinary Cyprus Studies (University of Münster)	Limassol, Cyprus	12/12/2025	D9.12 Report on the participation in int. events and organization of int. conferences

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.

Title	Location	Date	Detailed Reporting
Meeting with the the Regional Director for South Lebanon	Online	18/12/2025	D9.12 Report on the participation in int. events and organization of int. conferences
Visit of the Committee on EU Affaires of the German Bundestag - German Embassy Nicosia	Nicosia, Cyprus	19/01/2026	D9.12 Report on the participation in int. events and organization of int. conferences
Republic Day of India - Reception by the High Commission of India in Nicosia	Nicosia, Cyprus	26/01/2026	D9.12 Report on the participation in int. events and organization of int. conferences
Visit by Pixxel Space delegation	Limassol, Cyprus	09-10/02/2026	D9.12 Report on the participation in int. events and organization of int. conferences
Visit of the German Embassy Nicosia to DAS	Pera, Cyprus	18/02/2026	D9.12 Report on the participation in int. events and organization of int. conferences
Meeting with the Ambassador of Japan to Cyprus	Limassol, Cyprus	19/02/2026	D9.12 Report on the participation in int. events and organization of int. conferences
Visit by the Federal Minister of State for EU Affairs of Germany	Limassol, Cyprus	02/03/2026	D9.12 Report on the participation in int. events and organization of int. conferences
Meeting with IN-SPACe (Indian National Space Promotion and Authorization Centre)	Online	23/03/2026	D9.12 Report on the participation in int. events and organization of int. conferences
Meeting with the EgSA-Egyptian Space Agency	Online	25/05/2026	D9.12 Report on the participation in int. events and organization of int. conferences
French National Day Celebrations	Nicosia, Cyprus	14/07/2026	D9.12 Report on the participation in int. events and organization of int. conferences
Meeting with the Mayor of Limassol	Limassol, Cyprus	10/04/2025	 ECoE is actively collaborating with the Limassol Municipality to support the development of a smarter and more sustainable city. During the visit of the Mayor of Limassol, Mr. Giannis Armeftis, on 10 April 2025, the Centre's role in supporting local society through scientific research and technological innovation was highlighted. As noted by Prof. Diofantos Hadjimitsis, this collaboration is expected to further strengthen in the coming years, with planned initiatives such as dedicated workshops aimed at transferring knowledge and supporting local governance. The partnership reflects a shared commitment to leveraging Earth Observation, geospatial technologies, and innovation to enhance urban sustainability and improve citizens' quality of life.

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.

Title	Location	Date	Detailed Reporting
Meeting with the Deputy Minister to the President,	Nicosia, Cyprus	29/04/2025	D9.3 Communication Action Plan (RP5 & 6)
District Agriculture Office of Pitsilia: Meeting to connect farmers to researchers	Agros, Cyprus	08/05/2025	 ECoE participated in a meeting organised by the District Agriculture Office of Pitsilia aimed at strengthening collaboration between the farming community and research organisations. The meeting focused on facilitating direct interaction between farmers and researchers, enabling the exchange of knowledge, identification of needs, and discussion of potential solutions to agricultural challenges. Through this engagement, ECoE contributed to bridging the gap between research and practice, supporting the uptake of innovative and evidence-based approaches in the agricultural sector.
Presentation of New Agrometeorological Services	Nicosia, Cyprus	12/05/2025	 ECoE participated in the press conference on 12 May 2025 in Nicosia, organised by the Ministry of Agriculture, Rural Development and Environment and the Department of Meteorology, for the presentation of upgraded Agrometeorological Services in Cyprus. Through its involvement in the CAMS NCP project, the Centre contributed to the development of data-driven tools that combine climate information and Earth Observation to support farmers in making informed decisions. The participation also provided an opportunity to engage with national stakeholders and explore further collaboration in the application of AI, GIS, and EO technologies, reinforcing ECoE's role in advancing sustainable agriculture and environmental resilience.
Meeting with Deputy Minister to the President,	Nicosia, Cyprus	29/04/2025	D9.3 Communication Action Plan (RP5 & 6)
Meeting with the Cyprus University of Technology (CUT) and the Aphrodite Development Agency of Paphos.	Paphos, Cyprus	12/05/2025	D9.3 Communication Action Plan (RP5 & 6)
Meeting with the Municipality of Limassol	Limassol, Cyprus	29/05/2025	 ECoE participated in a strategic meeting with theMunicipality of Limassol on 29 May 2025, aiming to strengthen collaboration and coordinate key initiatives in the region. Discussions focused on the progress of the GIS project for the municipalities of the Limassol district, infrastructure-related matters, and the implementation and monitoring of development projects within the greater Limassol area. The reaffirmed the shared vision for future collaboration in geoinformatics, smart city solutions, and sustainable urban development, highlighting the Centre's role in supporting local authorities through advanced scientific and technological expertise.

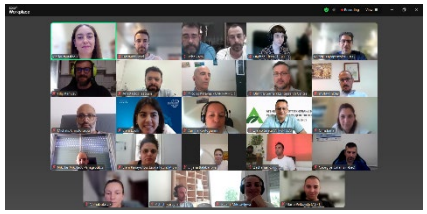
This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 857510.

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.

Title	Location	Date	Detailed Reporting
Meeting with the EXCELSIOR Project Officer	Larnaca, Cyprus	29/05/2025	D9.3 Communication Action Plan (RP5 & 6)
Meeting with the President of the Republic of Cyprus	Nicosia, Cyprus	04/06/2025	  ECoE participated in a high-level meeting at the Presidential Palace between the President of the Republic of Cyprus and the Directors of the seven Teaming Centres of Excellence established in Cyprus, focusing on strategic priorities such as long-term sustainability, scientific diplomacy, and the integration of Artificial Intelligence within the framework of the Cyprus Presidency of the Council of the EU. Represented by Prof. Diofantos Hadjimitsis, the Centre highlighted its key role in advancing innovation in Earth Observation, geospatial technologies, and sustainable development, while contributing to regional cooperation and supporting national efforts to attract and retain scientific talent through initiatives aligned with the "Brain Gain" strategy.
Participation in the 2025-Cyprus Farmers Association (Panagrotikos) Gala Dinner & Awards Ceremony	Larnaca, Cyprus	05/06/2025	 ECoE participated in the Gala Dinner organised by the Panagrotikos Farmers Association of Cyprus on 5 June 2025, following an official invitation. The Centre was represented by Prof. Diofantos Hadjimitsis and Dr. Christiana Papoutsa. The event provided an opportunity for engagement with key stakeholders from the agricultural sector, supporting dialogue and networking in areas related to agricultural development, innovation, and collaboration.
Meeting with the Open University of Cyprus	Limassol, Cyprus	12/06/2025	 As part of the activation of the Memorandum of Understanding (MoU) signed between the ECoE and the Open University of Cyprus, ERATOSTHENES had the pleasure of meeting with Associate Professor Georgios Deligiannakis, member of the BA program in Hellenic Culture. The meeting proved to be a highly productive exchange of ideas, focusing on potential collaborations and joint initiatives between our respective teams. It opened up promising avenues for interdisciplinary research and educational projects aimed at preserving and promoting Cyprus' rich cultural heritage. This encounter marks the beginning of a new chapter in the strategic partnership between two institutions deeply committed to the safeguarding and study of the island's historical and cultural legacy.

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.

Title	Location	Date	Detailed Reporting
Meeting with the Ministry of Agriculture, Rural Development and Environment	Nicosia, Cyprus	13/06/2025	 ECoE presented the PRECiRRI digital precision irrigation platform during a high-level meeting in Nicosia on 13 June 2025, within the framework of its strategic collaboration with the Ministry of Agriculture, Rural Development and Environment. The platform combines Artificial Intelligence with satellite data to deliver personalised irrigation recommendations, supporting efficient and sustainable water management. The presentation, delivered by Prof. Diofantos Hadjimitsis and Prof. Andreas Anayiotos, highlighted the significant benefits of PRECiRRI, including water savings of up to 20–40%, increased agricultural productivity, and reduced energy and fertiliser use, demonstrating its value as an innovative solution for addressing drought conditions and enhancing the resilience of the agricultural sector.
Meeting with the Water Group, Cyprus Institute	Nicosia, Cyprus	13/06/2025	 ECoE organized a meeting with the Water Group of the Cyprus Institute on 13 June 2025, aimed at strengthening collaboration in the field of water management and environmental research. The discussion, held at the Cyprus Institute premises, provided an opportunity to exchange expertise and explore synergies in key areas of collaboration. The meeting reinforced the shared commitment of both organisations to advancing research-driven solutions and fostering cooperation in addressing water-related challenges in Cyprus and the wider region.
CARBONICA 6th Online Roundtable Discussion: "Regenerative agriculture and carbon farming: From traditional approaches to recent advances"	Online	19/06/2025	 ECoE organised the 6th Online Roundtable Discussion on "Regenerative Agriculture and Carbon Farming: From Traditional Approaches to Recent Advances," held on 19 June 2025. The event brought together experts, researchers, and stakeholders to exchange knowledge and discuss developments in sustainable agricultural practices and carbon farming. Through invited presentations and panel discussions, participants shared insights on emerging methodologies, practical applications, and policy-relevant aspects, contributing to the advancement of dialogue and collaboration in the field of regenerative agriculture.

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.

Title	Location	Date	Detailed Reporting
Small farming event	Limassol, Cyprus	20/06/2025	 ECoE co-organised, within the framework of the CERBERUS project, a stakeholder engagement and training activity aimed at supporting participatory monitoring of agricultural pests, with a focus on the Mediterranean fruit fly. The initiative invited farmers and citizens to contribute to data collection through the use of traps and a dedicated digital platform, integrating observations with satellite data, agricultural robotics, and AI-enabled smart traps. A dedicated training session was provided to participants, enabling them to acquire the necessary skills for monitoring and data submission. The activity promoted citizen science approaches, supported the reduction of pesticide use, and contributed to the development of cost-effective and environmentally sustainable pest management practices.
Meeting with AZO-Space of Innovation	Online	23/06/2025	 ECoE participated in a meeting with Mr. Thorsten Rudolph, CEO of AZO Anwendungszentrum GmbH Oberpfaffenhofen – Space of Innovation, on 23 June 2025, exploring opportunities to strengthen collaboration in space entrepreneurship and innovation. During the meeting, the ECoE team presented the development of the upcoming Space Business Incubation Centre (Space BIC) and exchanged insights with Mr. Rudolph, who shared valuable experience from his role in supporting space startups and incubation programmes. The discussion marked a promising step towards enhancing knowledge exchange and fostering a dynamic innovation ecosystem in the space sector.
Atmosphere, Health, Environment: The CAMS NCP Services in Cyprus	Limassol, Cyprus	26/06/2025	 ECoE, in collaboration with the Copernicus Atmosphere Monitoring Service (CAMS), organised the national event "Atmosphere, Health, and Environment: The CAMS NCP Services in Cyprus" on 26 June 2025 in Limassol, bringing together over 40 stakeholders from public authorities, research institutions, and professional organisations. The event served as a platform to showcase how CAMS products can support air quality monitoring, public health protection, and evidence-based decision-making. During the workshop, the Centre presented key innovations, including the UV Index Forecast Platform and the CAMS Dust Data Cube, alongside case studies on dust transport, agricultural applications, and aviation meteorology. The event also highlighted ECoE's ground-based remote sensing infrastructure and ongoing aerosol research, while fostering dialogue with stakeholders to identify priority areas such as air quality forecasting and UV monitoring, reinforcing the Centre's role in advancing environmental intelligence and operational services in Cyprus.
CMP Strategy 2025-2030 & Photo Exhibition	Nicosia, Cyprus	07/07/2025	ECoE, through its Cultural Heritage Cluster, participated in the public event organised by the Committee on Missing Persons in Cyprus (CMP) on 7 July 2025 at the Ledra Palace Hotel. The event featured the presentation of CMP's Strategy 2025–2030 and a photo exhibition showcasing ongoing field activities. The participation enabled engagement with CMP representatives and stakeholders, facilitating networking

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.

Title	Location	Date	Detailed Reporting
			and the exploration of potential areas for collaboration. Follow-up actions were agreed to further discuss synergies between the two entities, particularly in relation to cultural heritage and related applications.
Meeting with Totalserve Group	Limassol, Cyprus	07/07/2025	 ECoE participated in a strategic meeting with Totalserve Group on 7 July 2025 at its headquarters in Limassol, exploring opportunities to strengthen collaboration between research and business. The discussions focused on leveraging Totalserve's expertise to support the growth, commercialisation, and delivery of ECoE solutions across targeted markets in the EMMENA region. Particular emphasis was placed on enhancing the innovation ecosystem through synergies between SpaceBIC by ERATOSTHENES CoE and the Totalserve Start-up Launchpad, supporting early-stage companies through mentoring, tools, and strategic guidance. The meeting marked an important step towards developing a broader ecosystem partnership aimed at fostering innovation, entrepreneurship, and impactful solutions in Earth Observation and space technologies.
Meeting with PwC Cyprus	Nicosia, Cyprus	10/07/2025	 ECoE participated in a strategic meeting with PwC Cyprus, held on 10 July 2025 at the PwC Experience Center in Nicosia, with the aim of exploring collaboration opportunities in the fields of Earth Observation and space technologies. During the meeting, the ECoE team, represented by the Technology Transfer Office, presented its solutions, services, and advanced infrastructure, highlighting their potential application across key sectors in the EMMENA region. The discussions focused on leveraging PwC Cyprus' expertise in consultancy and business development to support the commercialisation and delivery of ECoE innovations, while also exploring synergies to strengthen the broader innovation ecosystem, including the SpaceBIC programme. The meeting marked an important step towards building a strategic partnership and advancing joint initiatives in research, innovation, and technology-driven services.
Meeting with Infocredit Group Ltd	Limassol, Cyprus	12/08/2025	 ECoE participated in a strategic meeting with Infocredit Group Ltd, organised at the Centre's premises in Limassol to explore collaboration opportunities across Cyprus and the EMMENA region. The discussions focused on leveraging Infocredit's expertise to support the deployment and commercialisation of ECoE's innovative solutions, including the NADI-RISK platform, AI and computer vision applications, environmental and climate analytics, and maritime use cases. The meeting brought together multidisciplinary teams from the Centre and resulted in the identification of concrete next steps for collaboration, reinforcing efforts to expand the impact of research-driven solutions in targeted markets and strengthening strategic partnerships within the innovation ecosystem.
Visit at the Italian archaeological excavation at Erimi–Laonin tou Porakou	Erimi, Cyprus	22/08/2025	ECoE participated in a field visit to the Italian archaeological excavation at Erimi–Laonin tou Porakou, conducted by the University of Siena, strengthening collaboration in the field of cultural heritage research. Members of the Cultural Heritage Cluster engaged with the excavation team, building on their recent fieldwork experience and contributing to knowledge exchange on archaeological practices and site analysis. The

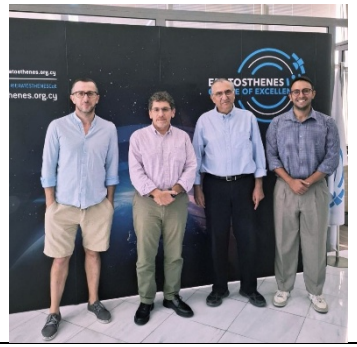
This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 857510.

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.

Title	Location	Date	Detailed Reporting
			visit provided valuable insights into ongoing research activities and methodologies, while fostering dialogue on future joint initiatives and reinforcing the shared commitment to the study, preservation, and sustainable management of cultural heritage.
Stakeholder meeting with the Municipality of Paralimni-Deryneia	Paralimni, Cyprus	15/09/2025	 Following the Memorandum of Understanding, signed in November 2024 between the ERATOSTHENES Center of Excellence and the Municipality of Paralimni-Deryneia, a meeting was held on 15/9/2025 at the Municipality building to discuss the strategic cooperation between the two organizations for the next four years. The meeting was attended by the Mayor Giorgos Nicolettos, the Municipal Secretary Mrs. Gabriella Gabriel and on behalf of the Eratosthenes Center of Excellence the CEO Professor Diofantos Hadjimitsis and the Manager of Quality Assurance & Internal Audit Dr. Kyriacos Neocleous. Based on the Memorandum of Understanding, there was a discussion on a multiple and multifaceted range of activities and joint – targeted actions. Among them, the cooperation for the preparation of scientific, advisory and technical studies was discussed, which will also promote the protection and security of the natural and built environment, with an emphasis on the maturation of strategic projects of the Municipality. In addition, the transfer and provision of know-how to the Municipality on the use of space technologies, geographic information systems, artificial intelligence and the joint participation of the two organizations in European Programs, conferences, seminars and other initiatives were discussed.
EUC Startup Program Networking Event	Nicosia, Cyprus	18/09/2025	 ECoE participated in the EUC Startup Program Networking Event hosted by the European University Cyprus under the leadership of the Rector. The event brought together representatives from the entrepreneurial, innovation, and academic ecosystems, providing a platform for networking and knowledge exchange. ECoE was represented by Mr. Andreas Andreou, who engaged with startups and ecosystem stakeholders to present opportunities related to space-linked innovation and the Space Business Incubation Centre (Space BIC). The participation included interactions with organisations such as Invest Cyprus, Cyprus Seeds, the Research and Innovation Foundation, and the hosting institution. The activity supported the strengthening of collaboration within the national innovation ecosystem and promoted the integration of space-based technologies across emerging business sectors.
Launch of Space BIC Cyprus by ERATOSTHENES CoE	Limassol, Cyprus	23/09/2025	D8.13 Report on the ECoE Incubation Program and analysis of effectiveness (update 1)

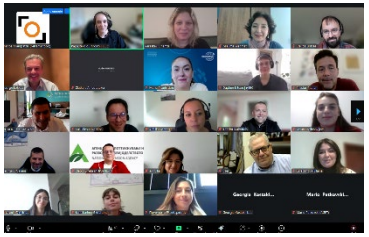
This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 857510.

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.

Title	Location	Date	Detailed Reporting
Meeting with the Cyprus National Commission for UNESCO	Nicosia, Cyprus	30/09/2025	 ECoE participated in a strategic meeting with the Cyprus National Commission for UNESCO, exploring opportunities for collaboration in areas of mutual interest. Discussions focused on the application of Earth Observation technologies for cultural heritage monitoring, climate change impact assessment, and the prevention of illicit trafficking, as well as on educational initiatives such as training, workshops, and outreach activities. The meeting marked an important step towards strengthening cooperation and aligning efforts to support the protection and sustainable management of cultural heritage through research, innovation, and capacity building.
Meeting with the Dean of the Faculty of Arts and Sciences, American University of Beirut - Mediterraneo	Limassol, Cyprus	17/10/2025	 ECoE hosted Dr. Malek Tabbal, Dean of the Faculty of Arts and Sciences at the American University of Beirut – Mediterraneo, on 17 October 2025, for a visit aimed at strengthening academic collaboration. The meeting provided an opportunity to exchange insights on research activities and explore synergies, particularly in Cultural Heritage and Material Sciences, including potential joint projects and future funding proposals. Discussions also included the prospects of formalising the collaboration through a Memorandum of Understanding, marking an important step towards establishing a strategic partnership between the two institutions.
Visit at BEYOND EO Centre, NOA	Athens, Greece	18/10/2025	 ECoE strengthened its strategic collaboration with the BEYOND EO Centre at NOA through an official visit by Prof. Diofantos Hadjimitsis within the framework of the EXCELSIOR project. The visit provided an opportunity to review the progress of joint activities, exchange expertise, and further align efforts in advancing Earth Observation and space technologies. This engagement highlights the strong partnership between the two organisations, reinforcing their shared commitment to research excellence, innovation, and the successful implementation of EXCELSIOR, while enhancing collaboration at regional and European level.

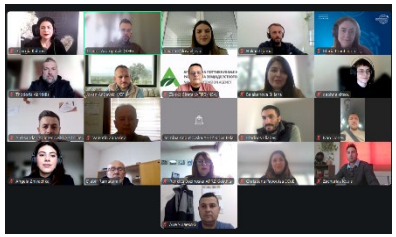
This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 857510.

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.

Title	Location	Date	Detailed Reporting
CARBONICA 7th Online Roundtable Discussion: "Monitoring biodiversity to support carbon removals and soil health"	Online	25/11/2025	 ECoE participated in the 7th Online Roundtable Discussion on "Monitoring Biodiversity to Support Carbon Removals and Soil Health," organised by the Interbalkan Environment Center on 25 November 2025. The event brought together experts, researchers, and stakeholders to exchange knowledge and discuss recent developments in biodiversity monitoring and carbon farming practices. Through participation in expert presentations and panel discussions, the activity supported engagement with current research and policy-relevant approaches, contributing to the understanding of ecosystem monitoring and its role in supporting sustainable land management and carbon sequestration.
Meeting with EUROGATE Container Terminal Limassol	Limassol, Cyprus	11/12/2025	 ECoE participated in a strategic meeting with EUROGATE Container Terminal Limassol on 11 December 2025, exploring opportunities for collaboration between the research and maritime sectors. The discussion focused on identifying potential synergies and areas of joint activity, with ECoE represented by members of its research and innovation team. The meeting was further strengthened by the support of the German Embassy in Nicosia, with sincere appreciation to Mr. Dirk Roland Haupt, Minister Counsellor and Chargé d'Affaires a.i., for facilitating this connection and actively supporting the development of this important partnership dialogue.
Presentation to the Municipalities of the Limassol District	Limassol, Cyprus	20/01/2026 - 21/01/2026	On 20 and 21 January 2026, the ECoE presented the applications developed within the project "Development of a Database and a Geographic Information System (GIS) for the Municipalities of the Limassol District". The applications are addressed to key municipal departments, including Finance, Technical Services, Health Services, Waste Management, and Green Services, and aim to support operational efficiency and the digital modernisation of municipal services. The presentations formed part of the Centre's ongoing collaboration with local authorities, highlighting the role of geospatial technologies and digital solutions in strengthening public administration.
Meeting with SignalGeneriX Ltd	Limassol, Cyprus	21/01/2026	 ECoE conducted a visit to SignalGeneriX Ltd facilities in Limassol on 21 January 2026, further strengthening a long-standing collaboration rooted in innovation and shared strategic vision. Represented by Prof. Andreas Anayiotos and Mr. Andreas Andreou from the Technology Transfer Office, the visit provided an opportunity for in-depth discussions and an overview of the company's advanced laboratories and technological capabilities. The engagement focused on enhancing applied research cooperation and exploring joint development of dual-use and defence-oriented solutions, as well as innovative products and services for broader societal and market applications. The visit laid a strong foundation for advancing collaboration at national and European level, reinforcing the partnership between the two 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.

Title	Location	Date	Detailed Reporting
CARBONICA 8th Online Roundtable Discussion: "Innovative tools and remote sensing for optimizing carbon farming practices"	Online	30/01/2026	 ECoE participated in the 8th Online Roundtable Discussion on "Innovative Tools and Remote Sensing for Optimizing Carbon Farming Practices," organised by AgFutura Technologies on 30 January 2026. The event brought together experts, researchers, and stakeholders to exchange knowledge and discuss recent advancements in carbon farming and the use of remote sensing technologies. Through the presentations and panel discussions, participants explored innovative approaches for monitoring, managing, and improving carbon farming practices, supporting sustainable land management and climate resilience. Participation contributed to knowledge exchange and strengthened engagement with the research and innovation community in this field.
Meeting with the Cyprus Shipping Chamber	Limassol, Cyprus	03/02/2026	 ECoE hosted Mr. Alexandros Josephides, Director General of the Cyprus Shipping Chamber, on 3 February 2026 for a productive meeting focused on strengthening collaboration between the research and maritime sectors. Coordinated through the Technology Transfer Office, the discussion explored how the Centre's expertise in Earth Observation, advanced infrastructure, and innovative technologies can support the shipping industry in addressing key challenges such as decarbonisation, operational optimisation, safety, and maritime surveillance. The meeting marked an important first step towards building a strategic partnership, setting the foundation for future collaboration with the Chamber and its members.
Meeting with the Open University of Cyprus	Limassol, Cyprus	26/02/2026	A strategic meeting was organized at the Blue Economy Innovation Center between the ECoE and the Open University of Cyprus. The meeting brought together Managing Director Prof. Diofantos Hadjimitsis and members of the ECoE team and Prof. Stavros Stavrou, Rector of the Open University of Cyprus representing the Cybersecurity and Telecommunications Research Laboratory. Discussions focused on research synergies and future collaboration, aiming to strengthen cooperation and explore joint initiatives in areas of shared research interest.
CARBONICA 9th Online Roundtable Discussion on "Carbon Farming Practices: Synergies for Resilient and Sustainable Food Systems."	Online	30/03/2026	ECoE organised the 9th Online Roundtable Discussion on "Carbon Farming Practices: Synergies for Resilient and Sustainable Food Systems," held on 30 March 2026. The event brought together experts, researchers, and stakeholders from across disciplines to exchange knowledge and insights on recent advances in carbon farming and its role in supporting climate-resilient and sustainable agricultural systems. The discussion fostered dialogue on innovative approaches, policy developments, and practical applications, contributing to the advancement of sustainable land management and food system transformation. A key contribution to the roundtable was delivered by Dr. Maria Prantsidou, Researcher at ECoE, who presented her work in the field of sustainable agriculture and carbon farming. Her intervention highlighted ongoing research activities within European initiatives, including the Horizon Europe CARBONICA project, focusing on enhancing carbon sequestration practices and promoting regional and European collaboration. Her expertise and interdisciplinary background enriched the discussion, reinforcing the role of ECoE in advancing research and innovation in climate-smart agriculture.

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.

Title	Location	Date	Detailed Reporting
Showcase of 'Mobile 3D Mapping for Digital Twin Development' project	Limassol, Cyprus	30/03/2026	 ECoE organised a stakeholder engagement event on 30 March 2026 at the Limassol Municipality Blue Innovation Centre, showcasing the "Mobile 3D Mapping for Digital Twin Development" project. The event brought together over 40 participants from academia, public authorities, industry, and the wider community, providing a platform for the dissemination of project results and the demonstration of advanced geospatial technologies. During the event, researchers presented the capabilities of the Mobile 3D Mapping System, a multi-instrument platform developed under the 3D-TWINMAP project and funded by the European Union's Recovery and Resilience Facility (NextGenerationEU) through the Research and Innovation Foundation. The activity highlighted the system's potential for high-accuracy data acquisition and digital twin development, supporting applications in urban planning, infrastructure monitoring, and environmental management. The event facilitated knowledge exchange, stakeholder interaction, and discussion on the practical implementation of innovative mapping technologies.
Informal Working Party on Research visit to CYTA Makarios Satellite Station	Pera, Cyprus	17/04/2026	D9.12 Report on the participation in int. events and organization of int. conferences
IEA PVPS Task 16 Meeting	Athens, Greece	27/04/2026 - 29/04/2026	 ECoE participated in the IEA PVPS Task 16 meeting, contributing to international discussions on solar resource assessment, forecasting, and photovoltaic applications. During the meeting, the Centre presented the capabilities and infrastructure of its Limassol Solar Radiation Monitoring Station, highlighting advanced measurement systems, quality assurance procedures, and ongoing research in solar radiation and UV monitoring. The presentation generated strong interest among participants, particularly regarding the reliability, long-term consistency of measurements, and the integration of solar energy research with atmospheric science activities at ECoE. The participation provided valuable opportunities for networking and scientific exchange with leading experts in solar resource assessment, radiative transfer modelling, and forecasting. It facilitated discussions on potential collaborations, data sharing, and joint research initiatives, while enhancing the visibility of ECoE within the international solar energy community. The engagement also supported future involvement in the Task 16 network, reinforcing the Centre's role in advancing research excellence and contributing to global efforts in renewable energy and climate-related applications.
Informal Meeting of the CAP Directors	Limassol & Paphos, Cyprus	28/04/2026 - 30/04/2026	D9.12 Report on the participation in int. events and organization of int. conferences
5th CARBONICA Brain Gain Conference "From Diaspora Insights to Local Action:	Aliathon Resort, Paphos	28/04/2026	ECoE organised and participated in the 5th Brain Gain Conference in Cyprus, held on 28 April 2026 as a parallel session of RSCY2026, contributing to discussions on sustainable agriculture and innovation. The session, entitled "From Diaspora Insights to Local Action: Advancing Carbon Farming for Resilient Agriculture in Cyprus," brought together experts, stakeholders, and members of the diaspora to explore

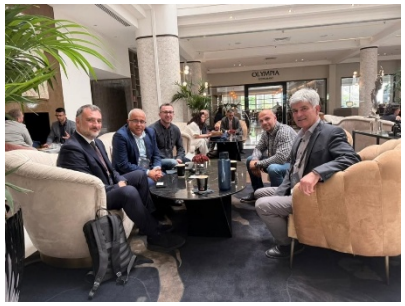
This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 857510.

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.

Title	Location	Date	Detailed Reporting
Advancing Carbon Farming for Resilient Agriculture in Cyprus"			pathways for strengthening climate-smart agricultural practices. Key outcomes of the discussion highlighted the importance of farmer education, stronger links between research and real-world applications, and the need for clear financial incentives and supportive policy frameworks to drive the adoption of carbon farming and regenerative agriculture. The session also emphasised the role of digital tools, certification schemes, consumer awareness, and cross-sector collaboration in building a resilient and sustainable agricultural ecosystem, reinforcing ECoE's contribution to innovation and knowledge exchange in the agri-environmental domain.
Meeting with the Limassol District Local Government Organisation (EOA Limassol)	Limassol, Cyprus	06/05/2026	ECoE participated in a strategic meeting with representatives of the Limassol District Local Government Organisation (EOA Limassol) on 6 May 2026, aiming to strengthen collaboration in the fields of innovation, space technologies, and regional development. During the meeting, the ECoE team discussed the latest developments regarding the establishment of the European Space Agency Business Incubation Centre (ESA BIC Cyprus), highlighting its role in supporting startups that leverage space technologies and satellite data to develop innovative products and services. The discussion emphasised how ESA BICs provide technical support, business mentoring, and access to a strong European innovation network, fostering entrepreneurship and technology transfer. In parallel, both parties explored opportunities for practical collaboration, particularly in the context of smart city initiatives and improved public services, reinforcing the role of local authorities in promoting innovation-driven development and enhancing the quality of life for citizens in the Limassol region.
Cyprus Teaming for Excellence Network (CYTEx) meeting with the Deputy Minister of Research, Innovation and Digital Policy	Nicosia, Cyprus	07/05/2026	ECoE participated in a high-level meeting held on 7 May 2026 at the Deputy Ministry of Research, Innovation and Digital Policy, bringing together the leadership of the seven Teaming Centres of Excellence in Cyprus, that comprise the Cyprus Teaming for Excellence Network (CYTEx). The meeting included representatives of all seven CoEs in Cyprus and focused on reviewing progress, addressing key challenges, and discussing the conditions for the continuation and further strengthening of institutional support. ECoE was represented by Prof. Diofantos Hadjimitsis, who contributed to the dialogue on advancing research excellence, innovation capacity, and long-term sustainability of the Centres. The discussion followed a previous engagement with the President of the Republic of Cyprus, and highlighted the importance of coordinated action among the Centres of Excellence, which collectively employ over 1,000 researchers. The meeting reinforced the role of the CYTEx network in promoting collaboration, knowledge exchange, and joint strategic initiatives, while emphasising the continued commitment of national authorities to supporting research and innovation ecosystems.
EIT Food Activation Event	Nicosia, Cyprus	25/05/2026	 ECoE participated in the EIT Food Activation Event, held on 25 May 2026 at the CYENS Centre of Excellence in Nicosia, contributing to the launch of EIT Food activities in Cyprus. The event, co-organised by SocialTech Lab and CYENS, brought together stakeholders from academia, research, industry, startups, and policymaking to explore opportunities within the EIT Food network. Discussions focused on identifying national priorities for agri-food innovation, fostering collaboration among key actors, and shaping future initiatives aimed at promoting a more sustainable, resilient, and innovation-driven food system in Cyprus, reinforcing ECoE's role in supporting research and innovation in the agri-food sector.

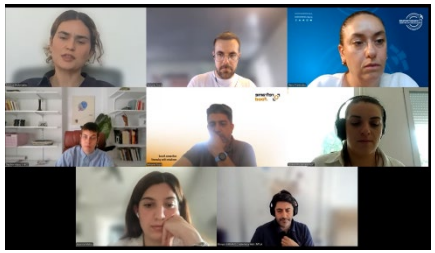
This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 857510.

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.

Title	Location	Date	Detailed Reporting
Trilateral Meeting with the Italian Space Agency and DEC	Nicosia, Cyprus	26/05/2026	 The ECoE was pleased to host an informal trilateral meeting during the EU Space Days 2026 in Nicosia, bringing together Dr. Danilo Rubini from the Italian Space Agency , Mr. George Komodromos from the Department of Electronic Communications (DEC) and the Managing Director of the ECoE, Prof. Diofantos Hadjimitsis. The meeting represented 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, research ecosystem, and 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.
EU Space Networks 2026 General Assembly - Visit to DAS	Pera, Cyprus	28/05/2026	D9.12 Report on the participation in int. events and organization of int. conferences
Visit by the European Parliament's Committee on Education and Culture	Limassol, Cyprus	12/06/2026	D9.12 Report on the participation in int. events and organization of int. conferences
Meeting with the Limassol Tourism Board and the Limassol Chamber of Commerce & Industry	Limassol, Cyprus	16/06/2026	 ECoE participated in a strategic meeting with the Limassol Tourism Board and the Limassol Chamber of Commerce and Industry, through its Cultural Heritage Cluster, to explore opportunities for collaboration in promoting the cultural heritage of Limassol. During the meeting, both sides presented their ongoing initiatives, including projects related to historical routes, monuments, museums, and the region's living wine and gastronomic traditions. The discussion highlighted strong areas of synergy and led to an agreement to move forward with joint activities, reinforcing efforts to enhance cultural heritage valorisation through innovation, research, and stakeholder collaboration.
Meeting with local farmers in Akaki, Nicosia	Akaki, Cyprus	18/06/2026	On Thursday, 18 June, Dr. Christiana Papoutsa and Dr. Menelaos Stavrinides, and Mr. Thrasos Stylianou from the Agriculture cluster, accompanied by Dr. Mahmoud Mardini from the Cultural Heritage cluster, visited the village of Akaki in the Nicosia district to meet with local farmers and learn about their work first-hand: what they grow, the challenges they are facing, and where the new technologies of our Centre might be able to help. The visit was a chance to listen to the farming community directly and to share some of the projects the ECoE is working on to support agriculture on the ground, especially on topics related to carbon farming (Carbonica), pest and disease monitoring (CERBERUS) and digital farming (Digifarm). ECoE is committed to taking the next steps and to collaborating with local communities and farmers across the different district areas of Cyprus.

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.

Title	Location	Date	Detailed Reporting
Visit by the Working Party on Space Attachés	Limassol, Cyprus	23/06/2026	D9.12 Report on the participation in int. events and organization of int. conferences
Meeting with PHAETHON CoE	Nicosia, Cyprus	24/06/2026	Prof Diofantos Hadjimitsis Managing Director of the ECoE & Dr Christodoulos Mettas Coordinator of the Resilient Society Department, Dr Neophytos Stylianou from ECoE met with Prof. George E. Georghiou CEO of PHAETHON Centre of Excellence at the Faculty of Engineering of the University of Cyprus premise to discuss about direct collaboration opportunities on the use of GIS, Earth Observation and strategic synergies on using both CoE's infrastructures on solar energy.
CARBONICA 10th online roundtable discussion	online	25/06/2026	 ECoE participated in the 10th Carbonica EU Online Roundtable,held on 25 June 2026, which focused on the governance and implementation of carbon farming systems. The event brought together experts and stakeholders from Cyprus, Greece, and North Macedonia—including members of the diaspora—to discuss policy frameworks, incentives, and practical pathways for scaling carbon farming practices. The roundtable highlighted the importance of aligning institutional mechanisms with real-world applications, fostering collaboration across sectors, and supporting innovation-driven solutions, while contributions from industry representatives added valuable perspectives on implementation challenges and opportunities in the agricultural sector.
Meeting with the BEYOND Centre of Excellence of the National Observatory of Athens (NOA)	Athens, Greece	09/07/2026	ECoE participated in a series of coordination and progress meetings with the BEYOND Centre of Excellence of the National Observatory of Athens (NOA) in Athens, within the framework of the EXCELSIOR H2020 Teaming Project. The meetings focused on reviewing project progress, strengthening strategic collaboration between the two organisations, and coordinating ongoing and future activities. The discussions reinforced the long-standing partnership between ECoE and BEYOND EO Centre, highlighting their joint commitment to advancing research excellence, capacity building, innovation, and the successful implementation of the EXCELSIOR vision, while further strengthening the regional Earth Observation ecosystem in the Eastern Mediterranean and beyond.
Building Cyprus's AI Future: From Vision to National Framework	Nicosia, Cyprus	17/07/2026	 ECoE participated in the"Building Cyprus's AI Future: From Vision to National Framework" event, organised by AmCham Cyprus on 17 July 2026, bringing together representatives from government, industry, academia, and research organisations to discuss the development of Cyprus's National Artificial Intelligence Strategy. The event focused on the transition from strategic vision to implementation, addressing priority sectors, AI governance, alignment with the EU AI Act, funding opportunities, and the promotion of a human-centric and sovereign AI ecosystem. Through its participation, ECoE highlighted the strategic role ofEarth Observation, space technologies, and geospatial intelligence within the national AI framework, showcasing how its advanced infrastructure, research activities, and innovative applications can contribute to the adoption of AI-driven solutions that support sustainable development, environmental monitoring, and evidence-based decision-making in Cyprus.

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.

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.

Annex V - Outreach Activities

Title	Location	Date	Event Type	Organizer	Detailed Reporting
Europe Day 2025	Paphos, Cyprus	10/05/2025	Public Outreach	Municipality of Paphos	D9.12 Report on the participation in int. events and organization of int. conferences
Science4EU Campaign	N/A	21/10/2025	Public Outreach	European Comission	D9.12 Report on the participation in int. events and organization of int. conferences
MSCA Falling Walls Lab competition	Copenhagen, Denmark	18-19/09/2025	Public Outreach	Danish Presidency of the Council of the EU	D9.12 Report on the participation in int. events and organization of int. conferences
Erasmus+ events	Nicosia, Cyprus	17-18/10/2025	Public Outreach	Erasmus	D9.12 Report on the participation in int. events and organization of int. conferences
European Researchers' Night 2025	Nicosia, Cyprus	26/09/2025	Public Outreach	Research and Innovation Foundation	D9.12 Report on the participation in int. events and organization of int. conferences
Participation in the World Meteorological Day	Nicosia, Cyprus	03/04/2025	Public Outreach	Department of Meteorology	ECoE participated in the celebration of World Meteorological Day, held on 3 April 2025 and organised by the Department of Meteorology in Cyprus. Represented by members of its Atmospheric Cluster, the Centre contributed to the event by supporting the presentation of the new Agrometeorological Bulletin, a key innovation developed in collaboration with the Department of Meteorology and the Department of Agriculture. The initiative highlights the role of Earth Observation and meteorological data in supporting agricultural decision-making, reinforcing ECoE's contribution to advancing climate services, environmental monitoring, and sustainable development in Cyprus. 
5-Year Anniversary Event	Limassol, Cyprus	27/05/2025	Public Outreach	ECoE	This Report, Section 4.16.1.1
CyBC Coverage of the 5-Year Anniversary	Cyprus	03/06/2025	Media presence (article,	CyBC	On 3 June 2025, Cyprus Broadcasting Corporation (RIK) aired a report on the anniversary event marking five years of operation of the ECoE, which took place on Tuesday, 27 May 2025, in Limassol. The coverage highlighted key moments from the celebratory ceremony and the Centre's achievements over its first five years. newsletter

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.

Title	Location	Date	Event Type	Organizer	Detailed Reporting
			video, audio)		
Open Lab Days	Limassol	05/06/2025	Public Outreach	Research and Innovation Foundation (RIF), European Researchers Night	 ECoE participated in the "Open Lab Days" initiative on 5 June 2025, welcoming primary school students to the CARO facilities and the Limassol Municipal University Library. The activity, organised by the Research and Innovation Foundation under the EU-funded project "Mission Possible: Researchers on Board for an Inclusive and Sustainable Future," aimed to familiarise young students with scientific research and innovation. Through guided visits, interactive presentations, and hands-on activities, students were introduced to the work of researchers and current scientific developments, fostering interest in science and technology. The initiative contributed to enhancing public engagement and promoting science education, in line with the broader framework of the European Researchers' Night 2024–2025 activities.
Interview at CyBC	Cyprus	11/06/2025	Media presence (article, video, audio)	CyBC	 ECoE contributed to science communication through a feature on RIK's programme «Από Μέρα σε Μέρα», where Prof. Diofantos Hadjimitsis discussed his international distinction as one of the top scientists worldwide according to the ScholarGPS 2024 ranking. The interview highlighted his scientific contributions in Civil Engineering, Environmental Applications using space technologies, and Satellite Remote Sensing, while also showcasing the growth and achievements of the ECoE. Particular emphasis was placed on the Centre's rapid development, key infrastructures such as the Satellite Data Acquisition Station and Atmospheric Remote Sensing station, and the establishment of Space BIC Cyprus, reinforcing its role as a hub of research excellence, innovation, and entrepreneurship.
Researchers at Schools	Limassol, Cyprus	12/06/2025	School Visit	Research and Innovation Foundation	 ECoE participated in activities marking World Oceans Day through a school visit at the 14th Primary School of Mesa Geitonia in Limassol, under the "Researchers in Schools" initiative organised by the Research and Innovation Foundation. During the visit, a researcher from the Marine Safety and Security Department delivered an interactive session introducing students to marine ecosystems, including Posidonia seagrass meadows, and the use of remote sensing technologies for mapping and protecting these habitats. The activity promoted environmental awareness and science education, encouraging student engagement with marine conservation and highlighting the role of Earth Observation in safeguarding sensitive coastal ecosystems.

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.

Title	Location	Date	Event Type	Organizer	Detailed Reporting
Researchers at Schools	Limassol, Cyprus	16/06/2025	School Visit	Research and Innovation Foundation	 ECoE participated in outreach activities under the "Researchers in Schools" programme, organised by the Research and Innovation Foundation, in the context of World Oceans Day. A school visit was conducted at the Kato Polemidia Primary School (Archangel Michael), where students were introduced to marine ecosystems, including Posidonia seagrass meadows, and the use of remote sensing technologies for mapping and protecting these environments. The session also highlighted the mission and activities of ECoE, fostering awareness of environmental protection and the role of Earth Observation. The interactive engagement encouraged student participation and contributed to promoting science education and environmental consciousness among younger audiences.
"The Monuments Speak" archaeological walk	Limassol, Cyprus	18/06/2025	Public Outreach	-	D9.3 Communication Action Plan (RP5 & 6)
CARBONICA Podcast	Online	27/06/2025	Media presence (article, video, audio)	CARBONICA	 ECoE contributed to science communication through the CARBONICA Podcast, featuring Prof. Diofantos Hadjimitsis on 27 June 2025, where he discussed innovative approaches to carbon farming tailored to the needs of Cyprus and the wider region. The discussion highlighted the role of the CARBONICA project in addressing digital and infrastructure gaps, engaging local stakeholders, and empowering rural communities through initiatives such as the CARBONICA Academy. The episode underscored the importance of data-driven and climate-smart agricultural practices, reinforcing the Centre's contribution to advancing sustainable and resilient farming solutions through Earth Observation and innovation.
CyBC Interview	Cyprus	02/07/2025	Media presence (article, video, audio)	CyBC	 On 2 July 2025, Prof Diofantos Hadjimitsis, Managing Director at the ECoE, was featured on the Cyprus Broadcasting Corporation (RIK) programme "Apo Mera se Mera". He spoke about the installation of the Earth Observation Data Acquisition Station (DAS) and presented its capabilities, highlighting how the Station positions Cyprus within the space domain.

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.

Title	Location	Date	Event Type	Organizer	Detailed Reporting
Interview at CyBC	Cyprus	03/07/2025	Media presence (article, video, audio)	CyBC	 ECoE contributed to public outreach through media coverage on RIK's main news bulletin ("Ειδήσεις των 8"), showcasing the arrival of the Satellite Data Acquisition Station antenna at the Port of Limassol on 24 June 2025. The report highlighted this major investment as a key milestone for Cyprus in advancing space technologies and Earth Observation capabilities, with the antenna to be installed at Cyta facilities. The coverage underscored the Centre's role in transforming Cyprus into a regional hub for innovation and space research, while supporting applications in environmental monitoring, maritime operations, and disaster management.
CyBC Coverage of the Cyprus–Canada MoU	Cyprus	10/07/2025	Media presence (article, video, audio)	CyBC	 On 10 July 2025, RIK aired coverage of the signing of the Memorandum of Understanding between the ECoE and the Canadian Commercial Corporation, marking an important step in strengthening Cyprus-Canada cooperation in Earth Observation and space technologies.
CUT Summer Camp 2025	Limassol, Cyprus	18/07/2025	School Visit	CUT	 ECoE participated in the CUT Summer Camp 2025, contributing to outreach and science communication activities targeting young students. During the event, members of the research team delivered interactive presentations to approximately 80 participants aged 5–13, introducing the Centre's mission, the principles of remote sensing, and the role of satellite technologies in environmental and atmospheric monitoring. The activity promoted STEM education and environmental awareness, fostering interest in science among younger audiences and supporting the engagement of future generations with research and innovation.

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.

Title	Location	Date	Event Type	Organizer	Detailed Reporting
Interview at CyBC 3 Radio	Cyprus	19/07/2025	Media presence (article, video, audio)	CyBC	 ECoE contributed to science communication through a radio interview on the Third Programme of RIK on 19 July 2025, where Prof. Diofantos Hadjimitsis discussed recent developments and strategic initiatives of the Centre. The discussion highlighted key milestones, including the signing of a Memorandum of Understanding with the Canadian Commercial Corporation, described as a landmark agreement for strengthening Cyprus–Canada collaboration in Earth Observation and space technologies, as well as a new academic partnership with Neapolis University Pafos. Particular emphasis was also placed on the advanced Satellite Data Acquisition Station, which enables near real-time data for disaster management, environmental monitoring, and maritime surveillance, reinforcing the Centre's role as a regional hub for innovation and its growing international presence, especially in light of the Cyprus EU Presidency and upcoming collaborations with the European Space Agency.
CARBONICA Podcast	Online	22/07/2025	Media presence (article, video, audio)	CARBONICA	 ECoE contributed to science communication through the CARBONICA Podcast, featuring Dr. Marios Tzouvaras on 22 July 2025, where he discussed the role of innovation and science in reversing brain drain and fostering brain gain strategies. The episode highlighted how the CARBONICA project supports talent retention and attraction through initiatives such as the Carbonica Forum and the use of digital platforms, while emphasising the importance of validation and field testing in scaling carbon farming practices. The discussion reinforced the Centre's role in promoting sustainable development, innovation ecosystems, and knowledge-driven approaches to strengthen rural communities and climate-smart agriculture.
Omega Channel Comentray on Limassol Wildfires	Cyprus	26/07/2025	Media presence (article, video, audio)	Omega Channel	 ECoE contributed to public awareness and disaster assessment through a report featured on Omega Channel Cyprus, presenting updated satellite-based analysis of the wildfire in mountainous Limassol. Dr. Maria Prodromou highlighted that the fire, which occurred on 23 July 2025, affected approximately 125 km², based on high-resolution PlanetScope data. The analysis provided a detailed breakdown of the impacted land cover, indicating significant damage to grasslands, shrublands, and forested areas, as well as minor effects on residential zones. This contribution demonstrated the critical role of advanced Earth Observation technologies in accurately mapping disaster impacts and supporting informed decision-making.
CyBC Commentary	Cyprus	27/07/2025	Media presence	CyBC	ECoE contributed to science communication through a comentary on RIK (CyBC), where Dr. Maria Prodromou presented insights on the recent wildfire in Limassol during the main news bulletin. The report combined satellite-based analysis with

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.

Title	Location	Date	Event Type	Organizer	Detailed Reporting
on Limassol Wildfires			(article, video, audio)		data from NASA's FIRMS platform, clarifying the interpretation of thermal anomalies and emphasising that such detections do not always correspond to active fires. The intervention highlighted the added value of high-resolution satellite data used by ECoE for accurate mapping of burned areas, reinforcing the importance of advanced Earth Observation tools in supporting reliable disaster assessment and public awareness.
CyBC Commentary on Limassol Wildfires	Cyprus	28/07/2025	Media presence (article, video, audio)	CyBC	 ECoE contributed to science communication through a comentary featured on RIK (CyBC) presenting the second assessment of the devastating wildfire in Limassol using high-resolution PlanetScope satellite data. Prof. Diofantos Hadjimitsis analysed the extent and impact of the fire, reporting that approximately 120.7 km² (1.3% of Cyprus' total area) were affected, with detailed land cover analysis showing significant damage to grasslands, shrublands, and forested areas, as well as impacts on residential zones. The assessment also highlighted that 21% of the affected area falls within the Natura 2000 network, underlining the environmental significance of the event and demonstrating the critical role of Earth Observation in disaster monitoring and response.
Interview on Kanali 6	Cyprus	01/09/2025	Media presence (article, video, audio)	Kanali 6	On 1 September 2025, Dr. Eleni Loulli spoke on Kanali 6 about Space BIC Cyprus, the first space-focused business incubation centre in Cyprus. The discussion highlighted the programme's support for startups through funding of up to €50,000, mentoring from international experts, and access to global markets, strengthening innovation and entrepreneurship in the space sector
Official delivery of the Sea and Culture Museum	Polis Chrysochous , Paphos	04/09/2025	Public Outreach	Sea and Culture Museum	 The new Sea and Culture Museum Polis Latsi has been officially delivered to the Municipality of Polis Chrysochous. The ECoE, in close collaboration with the Municipality of Polis Chrysochous and Mayor Yiotis Papachristofi, played a pivotal role in the project's design and implementation. Under the leadership of Dr. Diofantos Hadjimitsis, with the contribution of Dr. Christodoulos Mettas, Dr. Evagoras Evagorou, Dr. Neophytos Stylianou, and Demetris Christofi, the ERATOSTHENES team was responsible for: Project design, planning, and coordinationDevelopment of AR/VR applicationsPhotogrammetric and digital mapping of cultural and marine assetsCreation of the official museum website and digital exhibitsProduction of short films showcased on the impressive 60 m² Video Walls The Sea and Culture Museum Polis Latsi is set to become a reference point for both citizens and visitors, highlighting the cultural heritage, marine identity, and natural richness of the Polis Chrysochous region.

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.

Title	Location	Date	Event Type	Organizer	Detailed Reporting
Inauguration of the Sea & Culture Museum - Reptile & Amphibian Park	Polis Chrysochous, Cyprus	05/09/2025	Public Outreach	Sea & Culture Museum	 ECoE contributed to the development of an innovative digital solution for the Reptile & Amphibian Park in Polis Chrysochous, creating an interactive mobile application that enhances visitor engagement and educational experience. The application offers enriched content, interactive features, and educational games, enabling visitors—particularly families and students—to explore exhibits in a dynamic and engaging way. The initiative supports the integration of digital technologies in cultural and environmental education, promoting awareness of biodiversity and ecological conservation. The application was officially showcased during the inauguration of the park on 5 September 2025, held in the presence of the President of the Republic of Cyprus, highlighting the role of ECoE in advancing innovation at the intersection of technology, education, and environmental awareness.
CyBC Interview	Cyprus	26/09/2025	Media presence (article, video, audio)	CyBC	On 26 September 2025, Dr Eleni Loulli, Coordinator of Space BIC by ECoE, was invited to speak on the RIK programme "Apo Mera se Mera". During the interview, Dr Loulli presented Space BIC, the first space technology business incubator in Cyprus, and informed the public about the first open call for applications, highlighting opportunities for startups and innovators in the space sector.
From Zero To Hero Podcast	Nicosia, Cyprus	30/09/2025	Media presence (article, video, audio)	Netcast Zone	 ECoE contributed to science communication and public outreach through participation in the "From Zero to Hero" podcast series (Episode 48), where representatives of the Centre presented its development trajectory and activities. The discussion highlighted the evolution of ERATOSTHENES from its establishment in 2007 as a laboratory at the Cyprus University of Technology to its current status as a Centre of Excellence in Earth Observation and space technologies. The session also showcased the practical applications of research in areas such as agriculture and natural disaster management, as well as the role of the Space Business Incubation Centre (Space BIC) in supporting innovation and entrepreneurship. This activity contributed to raising public awareness of the Centre's impact on society, the economy, and the advancement of space-related activities in Cyprus.

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.

Title	Location	Date	Event Type	Organizer	Detailed Reporting
Interview at Kanali 6	Cyprus	03/10/2025	Media presence (article, video, audio)	KANALI 6	 ECoE contributed to science communication through a radio interview on Kanali 6, where Dr. Marios Tzouvaras presented the AI-OBSERVER project and its role in enhancing disaster preparedness. The discussion focused on how the integration of artificial intelligence and satellite data can support the prediction and management of natural hazards such as floods and wildfires. By highlighting innovative, AI-driven approaches for monitoring environmental risks, the interview demonstrated the Centre's contribution to advancing climate resilience and the use of cutting-edge technologies in disaster risk reduction.
After the Fire: The Invisible Dangers for Our Children	Limassol, Cyprus	16/10/2025	Public Outreach	Green Energy Group	 A public awareness event entitled "After the Fire: The Invisible Risks for Our Children" was held on 16 October in Limassol, Cyprus, as part of Green Week activities and organised by the Green Energy Group. The event addressed the environmental and public health impacts of wildfires, with particular emphasis on risks to children and vulnerable groups. The ECoE contributed through a dedicated presentation on the use of remote sensing and Earth Observation technologies for wildfire and atmospheric monitoring, highlighting their role in assessing post-fire air quality, supporting long-term environmental surveillance, and enhancing evidence-based decision-making for disaster risk reduction.
Researchers At Schools	Limassol, Cyprus	31/10/2025	School Visit	Research and Innovation Foundation	 ECoE contributed to outreach activities within the framework of the European Researchers' Night 2025, through school visits in Limassol conducted on 31 October 2025. Represented by Mr. Orestis Livadiotis, the Centre visited the Gymnasium of Linopetra and the Lyceum of Agios Nikolaos, engaging with students through interactive presentations on Earth Observation, air quality monitoring, and environmental research. The sessions demonstrated how satellite and ground-based data, including Copernicus Atmosphere Monitoring Service (CAMS) products, are used to monitor dust events, pollution, and climate impacts in Cyprus and the Eastern Mediterranean. The activity supported awareness-raising on environmental challenges and promoted STEM education, inspiring students to explore future careers in science, research, and innovation.

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.

Title	Location	Date	Event Type	Organizer	Detailed Reporting
Feature in in GOLD magazine	Cyprus	31/10/2025	Media presence (article, video, audio)	GOLD magazine	 ECoE was featured in GOLD Magazine and Cyprus Business News through an article by the German Ambassador to Cyprus, Dr. Hans-Peter Jugel, highlighting the strong and evolving partnership between Germany and Cyprus in space technology and Earth Observation. The Centre was recognised as a leading example of successful bilateral collaboration, with contributions from prominent German institutions such as DLR and TROPOS, enhancing Cyprus' scientific capacity and integration into European research networks. The article also emphasised the strategic role of ECoE's Satellite Data Acquisition Station and initiatives like Space BIC in fostering innovation, supporting startups, and strengthening the emerging space ecosystem in Cyprus, while contributing to the country's growing presence in the European and global space sector.
Support to Laniteio Lyceum Students for Participation in Student Competition	Limassol, Cyprus	05/11/2025 - 10/12/2025	School Visit	Laniteio Lyceum	 ECoE contributed to knowledge dissemination and outreach activities by providing scientific and technical support to students from Laniteio Lyceum (Limassol) participating in a competition on environmental monitoring and sustainable resource management. The activity introduced students to Earth Observation technologies, with particular emphasis on the use of Copernicus Sentinel-2 satellite data and its integration within situ observations to address real-world environmental challenges. As part of the activity, students were guided in the satellite-based assessment of freshwater systems, focusing on the identification of algal-affected areas using remote sensing techniques. A case study was conducted for the Finikaria dam, where Sentinel-2 imagery was processed using SNAP software to derive indicators such as chlorophyll-a concentration and water turbidity. This approach enabled the identification of areas with increased biological activity and supported the selection of targeted sampling locations. The activity enhanced students' understanding of satellite data analysis, ecosystem monitoring, and sustainability principles, while demonstrating the practical applicability of Earth Observation in environmental management.
Support to Pancyprian Gymnasium at a School Competition	Cyprus	06/11/2025 - 26/11/2025	School Visit	Pancyprian Gymnasium	ECoE supported outreach and education activities by collaborating with students from Pancyprian Gymnasium in a school competition, introducing them to the use of satellite data for monitoring vegetation health. Through hands-on training, the students were introduced to the Normalized Difference Vegetation Index (NDVI) and trained in using the Copernicus Browser for Earth Observation data visualisation and analysis. By effectively applying these skills, the students successfully developed

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.

Title	Location	Date	Event Type	Organizer	Detailed Reporting
					their project and achieved first place in the competition, highlighting the impact of practical STEM education and the role of ECoE in inspiring the next generation of scientists.
Article in Phileleftheros	Cyprus	16/11/2025	Media presence (article, video, audio)	Phileleftheros	 On 16 November 2025, the ECoE and the EXCELSIOR project, together with the Cyprus University of Technology received coverage in the Cypriot press, featuring EXCELSIOR's selection in the Science4EU campaign of the European Commission. The publication highlighted their contribution to advancing research and innovation in Earth Observation and space technologies, providing increased visibility to the Centre's activities and recognising ECoE as a leading example of European research excellence. This recognition further reflects the growing public and institutional interest in the Centre's role within Cyprus' and Europe's research and innovation landscape.
Interview on Sigma TV	Cyprus	17/11/2025	Media presence (article, video, audio)	Sigma TV	 ECoE contributed to science communication through a feature on the SIGMA TV programme «Μεσημέρι και Κάτι», where Prof. Diofantos Hadjimitsis presented the EXCELSIOR H2020 Teaming project and the activities of the Centre. The interview also highlighted ECoE's participation in the European Commission's #Science4EU campaign, showcasing the Centre as a leading example of research excellence and innovation in Earth Observation and space technologies, while reinforcing its growing impact within the European research and innovation landscape.
Interview on Alpha TV	Cyprus	17/11/2025	Media presence (article, video, audio)	Alpha TV	 Ο Καθ. Διόφαντος Χατζημιτσής στην Εκπομπή Alpha Ενημέρωση, για την καμπάνια Science4EU ECoE contributed to science communication through a feature on the Alpha TV programme «ALPHA Ενημέρωση», where Prof. Diofantos Hadjimitsis presented the EXCELSIOR H2020 Teaming project and the activities of the Centre. The interview also highlighted ECoE's participation in the European Commission's #Science4EU campaign, showcasing the Centre as a leading example of research excellence and innovation in Earth Observation and space technologies, while reinforcing its growing impact within the European research and innovation landscape.

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.

Title	Location	Date	Event Type	Organizer	Detailed Reporting
Podcast for #Science4EU Campaign	Online	09/12/2025	Media presence (article, video, audio)	DG RTD	 Podcast: Συζητάμε για το Κέντρο Αριστείας ΕΡΑΤΟΣΘΕΝΗΣ και την καμπάνια #Science4EU! ECoE further strengthened its visibility through a podcast where Prof. Diofantos Hadjimitsis discussed the Centre's development and its recognition at European level with journalist Emily Antoniou. The podcast was created in collaboration with the Directorate-General for Research and Innovation and highlighted the selection of the EXCELSIOR project among the seven flagship programmes showcased in the European Commission's #Science4EU campaign. This distinction underscores ECoE's role as a leading example of research excellence and innovation in Earth Observation and space technologies, reinforcing its growing international impact and contribution to the European research landscape.
Presentation of Data Acquisition Satellite Receiving Station	Cyprus	17/12/2025	Media presence (article, video, audio)	ALPHA TV	 ECoE was featured on ALPHA TV's programme ALPHA Enimerosi on 17 December 2025, showcasing the Data Acquisition Satellite Receiving Station as a major milestone for Cyprus in space-based Earth Observation. The coverage highlighted the station's role in supporting critical applications such as environmental monitoring, agriculture, climate action, and disaster management, reinforcing the Centre's contribution to positioning Cyprus as a regional hub for innovation and space research.
Interview of Dr. Rodanthi-Elisavet Mamouri on ALPHA KALIMERA	Nicosia, Cyprus	29/01/2026	Media presence (article, video, audio)	Alpha TV	 On 29 January 2026, Dr. Rodanthi-Elisavet Mamouri, Coordinator of the Atmospheric Cluster of the ECoE (CoE) and Principal Investigator of the CARO station, participated in the ALPHA KALIMERA programme on Alpha TV Cyprus, hosted by Katerina Agapitou. During the interview, Dr. Mamouri discussed the intense dust transport event recorded in Limassol on 27 January 2026 by the CARO national research infrastructure of the ECoE. She presented the infrastructure of the station, explained the atmospheric conditions responsible for the event, and provided information on dust forecasts. The discussion also highlighted the importance of the CARO station and the range of observational products generated, underlining their role in monitoring atmospheric dust events and supporting public awareness and decision-making. This media appearance significantly enhanced the visibility of the ECoE and the CARO station, while informing the public about the characteristics and impacts of the intense dust episode.

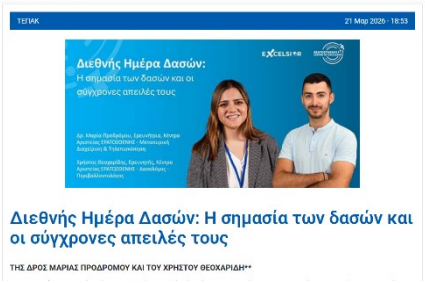
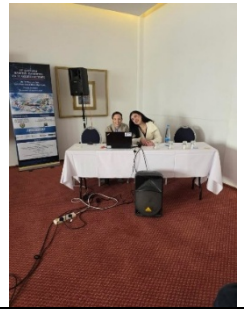
This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 857510.

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.

Title	Location	Date	Event Type	Organizer	Detailed Reporting
Radio Interview of Prof. Hadjimitsis	Cyprus	16/02/2026	Media presence (article, video, audio)	POLITIS 107.6	 Ο Καθ. Διόφαντος Χατζημιτσής, στον ΠΟΛΙΤΗ 107.6 ECoE contributed to science communication and outreach through a radio interview on POLITIS 107.6, featuring Prof. Diofantos Hadjimitsis. The discussion focused on presenting the overall activities of the EXCELSIOR project and the development of the ECoE as a leading Centre of Excellence in Earth Observation and space technologies. During the interview, Prof. Hadjimitsis highlighted the Centre's evolution, research capabilities, and key areas of impact, including environmental monitoring, disaster risk management, and digital innovation. The engagement provided an opportunity to communicate the value of Earth Observation to the wider public, strengthen visibility, and promote awareness of the Centre's role in advancing scientific excellence and innovation in Cyprus and the broader region.
3rd Science Fair, The Grammar School Limassol	Limassol, Cyprus	28/02/2026	School Visit	The Grammar School Limassol	 ECoE participated in a science fair organised by The Grammar School Limassol, contributing to outreach and public engagement activities. During the event, the Centre presented a portfolio of ongoing projects, including LIP3D, CHANGES, REVITALISER, CARBONICA, ATARRI, and EXCELSIOR, providing information materials and engaging directly with students, parents, and visitors. The participation included interactive demonstrations, such as digital presentations of cultural heritage 3D models and videos, as well as educational activities tailored to different age groups. These involved games, hands-on exercises, and creative tasks designed to enhance understanding of scientific concepts and project applications. Informational materials and promotional items were also distributed to participants. The activity supported science communication, increased awareness of research and innovation, and fostered engagement with the wider community.
100 Schools - Lip3D	Limassol, Cyprus	11/03/2026 - 12/03/2026	School Visit	ECoE	 ECoE contributed to outreach and educational activities within the framework of the LIP3D project through the organisation and delivery of interactive sessions for primary school students. The activity involved eight sessions (approximately 40 minutes each) delivered to classes ranging from 3rd to 6th grade. The sessions aimed to communicate key archaeological concepts through engaging and participatory approaches, including the presentation of 3D models and digital reconstructions of the archaeological site of Amathus developed within the project. The programme incorporated narrative-based and hands-on activities, such as storytelling linked to Neolithic contexts and practical exercises on pottery description, encouraging students to adopt analytical thinking similar to archaeological practice. This activity supported the dissemination of project outputs to younger audiences, promoted cultural heritage awareness, and demonstrated the application of digital technologies in archaeology.

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.

Title	Location	Date	Event Type	Organizer	Detailed Reporting
Article on the Importance of Forests and Their Contemporary Threats	Cyprus	21/03/2026	Media presence (article, video, audio)	Paideia News	 ECoE contributed to scientific dissemination through the publication of an article entitled "International Day of Forests: The Importance of Forests and Their Contemporary Threats," authored by Dr. Maria Prodromou and Mr. Christos Theocharidis. The article, released in the context of the International Day of Forests (21 March), highlights the critical role of forest ecosystems in sustaining life, regulating climate, and supporting biodiversity, while also addressing the increasing pressures they face, particularly in the Mediterranean region. The publication raises awareness of key challenges such as climate change, wildfires, land degradation, and human activities, and underscores the importance of monitoring and protecting forest environments through scientific research and technological innovation. This contribution supports public awareness and knowledge dissemination, reinforcing the role of ECoE in addressing environmental challenges and promoting sustainable ecosystem management.
13th Pancyprian Conference of Students and Teachers on Positive Sciences	Protaras, Cyprus	21/03/2026	Public Outreach	Cyprus Ministry of Education, Sport and Youth	 ECoE participated in the 13th Pancyprian Conference of Students and Teachers on Positive Sciences, contributing to outreach and science communication activities targeted at diverse age groups. During the conference, the Centre delivered presentations introducing its mission, activities, and research domains to students and educators. The session highlighted the relevance of STEM fields to modern professions and emerging sectors, while showcasing how scientific knowledge is translated into advanced technologies and innovative applications. The activity supported awareness-raising on science and research careers, strengthening engagement with the educational community and promoting the role of ECoE in advancing research and innovation in Cyprus.
100 Schools - Lip3D	Famagusta, Cyprus	23/03/2026	School Visit	ECoE	ECoE contributed to outreach and educational activities within the framework of the LIP3D project through the organisation and delivery of interactive sessions for primary school students. The activity involved eight sessions (approximately 40 minutes each) delivered to classes ranging from 3rd to 6th grade. The sessions aimed to communicate key archaeological concepts through engaging and participatory approaches, including the presentation of 3D models and digital reconstructions of the archaeological site of Amathus developed within the project. The programme incorporated narrative-based and hands-on activities, such as storytelling linked to Neolithic contexts and practical exercises on pottery description, encouraging students to adopt analytical thinking similar to archaeological practice. This activity supported the dissemination of project outputs to younger audiences, promoted cultural heritage awareness, and demonstrated the application of digital technologies in archaeology.

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.

Title	Location	Date	Event Type	Organizer	Detailed Reporting
Cultural Heritage GC School of Careers Visit	Nicosia, Cyprus	26/03/2026	School Visit	GS School of Careers Nicosia	 The ECoE participated in the GS School of Careers event in Nicosia on 26 March 2026, organized as part of the European Parliament Ambassador School Programme. During the activity, the Centre's work was presented with a focus on the Cultural Heritage Cluster and ongoing projects, including LIP3D and CHANGES Erasmus+. The interaction with students highlighted the innovative use of space technologies in cultural heritage, sparking strong interest and curiosity about archaeology and related career pathways.
100 Schools - Lip3D	Limassol, Cyprus	27/03/2026	School Visit	ECoE	ECoE contributed to outreach and educational activities within the framework of the LIP3D project through the organisation and delivery of interactive sessions for primary school students. The activity involved eight sessions (approximately 40 minutes each) delivered to classes ranging from 3rd to 6th grade. The sessions aimed to communicate key archaeological concepts through engaging and participatory approaches, including the presentation of 3D models and digital reconstructions of the archaeological site of Amathus developed within the project. The programme incorporated narrative-based and hands-on activities, such as storytelling linked to Neolithic contexts and practical exercises on pottery description, encouraging students to adopt analytical thinking similar to archaeological practice. This activity supported the dissemination of project outputs to younger audiences, promoted cultural heritage awareness, and demonstrated the application of digital technologies in archaeology.
TV Interview of Dr. Marios Tzouvaras	Cyprus	02/04/2026	Media presence (article, video, audio)	RIK	 ECoE contributed to outreach and science communication through a live television appearance on RIK's programme "Apo Mera se Mera," where Dr. Marios Tzouvaras presented the 3D-TWINMAP project. The discussion highlighted how the project strengthens the Centre's research infrastructure through advanced mobile 3D mapping technologies enhanced by artificial intelligence, enabling the development of high-resolution digital twins. With a budget of €483,092 and funding from NextGenerationEU via the Research and Innovation Foundation, the project supports applications in urban planning, transport, and environmental monitoring, contributing to the advancement of innovation and the acceleration of the green and digital transition in Cyprus.

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.

Title	Location	Date	Event Type	Organizer	Detailed Reporting
Interview of Prof. Diofantos Hadjimitsis	Cyprus	03/04/2026	Media presence (article, video, audio)	RIK	 ECoE contributed to science communication and public outreach through an in-depth interview with Prof. Diofantos Hadjimitsis, Managing Director of the Centre, broadcast on RIK on 3 April 2026. The discussion covered the overall activities and strategic vision of the EXCELSIOR project and the ECoE, highlighting its evolution into a regional hub of excellence in Earth Observation, geospatial technologies, and space-related research. The interview also addressed the Centre's contributions to environmental monitoring, disaster risk management, and digital innovation, reinforcing its role in advancing research, innovation, and societal impact in Cyprus and the wider EMMENA region.
Interview of Prof. Diofantos Hadjimitsis	Limassol, Cyprus	07/04/2026	Media presence (article, video, audio)	Limassol Chamber of Commerce & Industry	 ECoE contributed to outreach and stakeholder engagement through an interview featured in the digital bilingual newsletter of the Limassol Chamber of Commerce and Industry ("Epicheirimatiki Lemesos"). The interview with Prof. Diofantos Hadjimitsis, Managing Director of the Centre, was conducted at the ECoE premises and focused on the Centre's advanced research infrastructure, the practical impact of Earth Observation and space technologies in everyday life, and the strategic direction and future priorities of the organisation. The activity strengthened collaboration with the business community and supported the promotion of innovation and applied research within the regional ecosystem.
Researchers at Schools	Larnaca, Cyprus	21/04/2026	School Visit	Research and Innovation Foundation	 ECoE participated in the "Researchers at Schools" programme, organised by the Research and Innovation Foundation, in the context of World Earth Day 2026. Dr. Maria Prodromou delivered presentations at Vergina Gymnasium in Larnaca (21 April 2026) and Agios Ioannis Lyceum in Limassol (22 April 2026), introducing students to topics related to remote sensing, wildfire monitoring, and environmental protection. The activity strengthened the connection between research and education, promoting science awareness and encouraging student engagement with environmental and technological challenges.

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.

Title	Location	Date	Event Type	Organizer	Detailed Reporting
Researchers at Schools	Limassol, Cyprus	22/04/2026	School Visit	Research and Innovation Foundation	 ECoE participated in the "Researchers in Schools" programme, organised by the Research and Innovation Foundation, in the context of World Earth Day 2026. Dr. Maria Prodromou delivered a session entitled "Remote Sensing for Wildfires," introducing students to the application of Earth Observation technologies in wildfire monitoring, prevention, and environmental protection. The activity contributed to raising awareness of climate-related challenges, strengthening the link between research and education, and encouraging student engagement with science and sustainability topics.
Science Day - 8th Primary School of Paphos	Paphos, Cyprus	10/05/2026	School Visit	8th Primary School of Paphos	 ECoE participated in the Science Day event held on 10 May 2026 at the 8th Primary School of Paphos, organised by the Parents' Association with the involvement of universities and research centres active in Cyprus. During the event, the Centre engaged with students and visitors, presenting its activities and the EXCELSIOR project, while promoting awareness of science, research, and innovation. The participation contributed to outreach and education efforts, fostering interest in STEM fields and highlighting the role of research institutions in addressing real-world challenges.
Visit by the Pancyprian Gymnasium	Limassol, Cyprus	06/06/2026	School Visit	ECoE	 On June 6, three students from Pancyprian Gymnasium visited the ECoE facilities. The students had won the Stockholm Junior Water Prize under the guidance of Despoina Makri, a member of ECoE, and, as a reward, requested to visit and learn more about the Centre's facilities, including the CARO station and the solar radiation station. Four members of the Atmosphere Team presented the structure of the ECoE, the Atmosphere Team, the CARO station, and the solar radiation station. The presentation and visits were also attended by undergraduate students from the Cyprus University of Technology, who were conducting practical exercises on remote sensing. During the station visits, the team explained the measurements collected by each instrument and answered all students' questions. Additionally, they referred to the main research activities conducted by the team, particularly those related to satellite data validation.
Researchers at School	Limassol, Cyprus	09/06/2026	School Visit	Research and Innovation Foundation	ECoE contributed to science outreach activities within the framework of the Research and Innovation Foundation (RIF) initiative "MISSION POSSIBLE: Researchers on Board for an Inclusive and Sustainable Future," engaging with students of the 17th Primary School of Kato Polemidia in Limassol in connection with World Oceans Day. Through interactive presentations and discussions, the Centre introduced topics related to oceans, the marine environment, and the application of remote

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.

Title	Location	Date	Event Type	Organizer	Detailed Reporting
					sensing technologies for environmental monitoring. The activity fostered strong student engagement and curiosity, highlighting the importance of ocean sustainability and demonstrating how Earth Observation can support environmental awareness and education among younger generations.
Interview on the Third Programme of CyBC	Nicosia, Cyprus	03/07/2026	Media presence (article, video, audio)	CyBC	 ECoE contributed to science communication and public outreach through an interview on the Third Programme of CyBC (RIK), where Prof. Diofantos Hadjimitsis discussed the role of the Centre in leveraging space technologies, Earth Observation, and geoinformatics to address contemporary societal challenges. During the interview, he highlighted the recently signed Memorandum of Understanding with the Deputy Ministry of Migration and International Protection, outlining how satellite data and geospatial technologies can support migration management, maritime surveillance, crisis management, and evidence-based policymaking. The discussion also showcased the Centre's innovative applications in environmental monitoring, agriculture, and sustainable development, while presenting its broader vision of transforming space-derived data into practical solutions with tangible societal impact, reinforcing ECoE's role as a leading hub for innovation and applied research in Cyprus and the wider region.
CUT Summer Camp 2026	Limassol, Cyprus	21/07/2026	Public Outreach	Cyprus University of Technology	 ECoE participated in the CUT Summer Camp 2026, contributing to science outreach and STEM education through a series of interactive activities designed for young students. Researchers Maria Poutli, Athina Savva, and Andreas Livadiotis introduced participants to the fascinating world of Earth Observation, space technologies, and scientific research through engaging presentations, hands-on demonstrations, and educational activities tailored to younger audiences. The initiative aimed to stimulate curiosity, creativity, and interest in science and innovation, while showcasing how satellite technologies and environmental monitoring contribute to addressing real-world challenges. Through its participation, ECoE reinforced its commitment to inspiring the next generation of scientists and innovators and promoting public awareness of research and space technologies in Cyprus.
European Researchers' Night 2026: CELEBRATE 2.0 - Two Decades of STEAM-	Nicosia, Cyprus	25/09/2026	Public Outreach	RIF	The ERATOSTHENES Centre of Excellence and the EXCELSIOR Teaming Horizon 2020 project participated in the European Researchers' Night 2026, held on 25 September 2026 at the Cyprus State Fair in Nicosia under the theme "CELEBRATE 2.0 - Two Decades of STEAM-Powered Inspiration." Colleagues staffing our booth (38) throughout the day had the opportunity to share with the public, of all ages, how we utilize data from satellites orbiting the Earth. Through examples spanning agriculture, climate, the atmosphere, cultural heritage, protection against fires and other disasters, as well as the use of artificial intelligence, we demonstrated how Earth Observation connects to our daily lives. Experiments, knowledge-sharing, and discussions brought science closer to everyone. Visitors engaged with activities such as "CARO's LiDAR in a Glass: Observing the

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.

Title	Location	Date	Event Type	Organizer	Detailed Reporting
Powered Inspiration					Atmosphere with Laser Light" and "Leaf Chromatography: Leaf Pigments, Plant Health, and Satellite Remote Sensing." Researcher Despina Makri also presented "NADI-RISK: A Multi-Hazard Assessment Platform for Cyprus."