

The ERATOSTHENES Remote Sensing Supersite: Understanding the atmospheric system in the EMMENA region



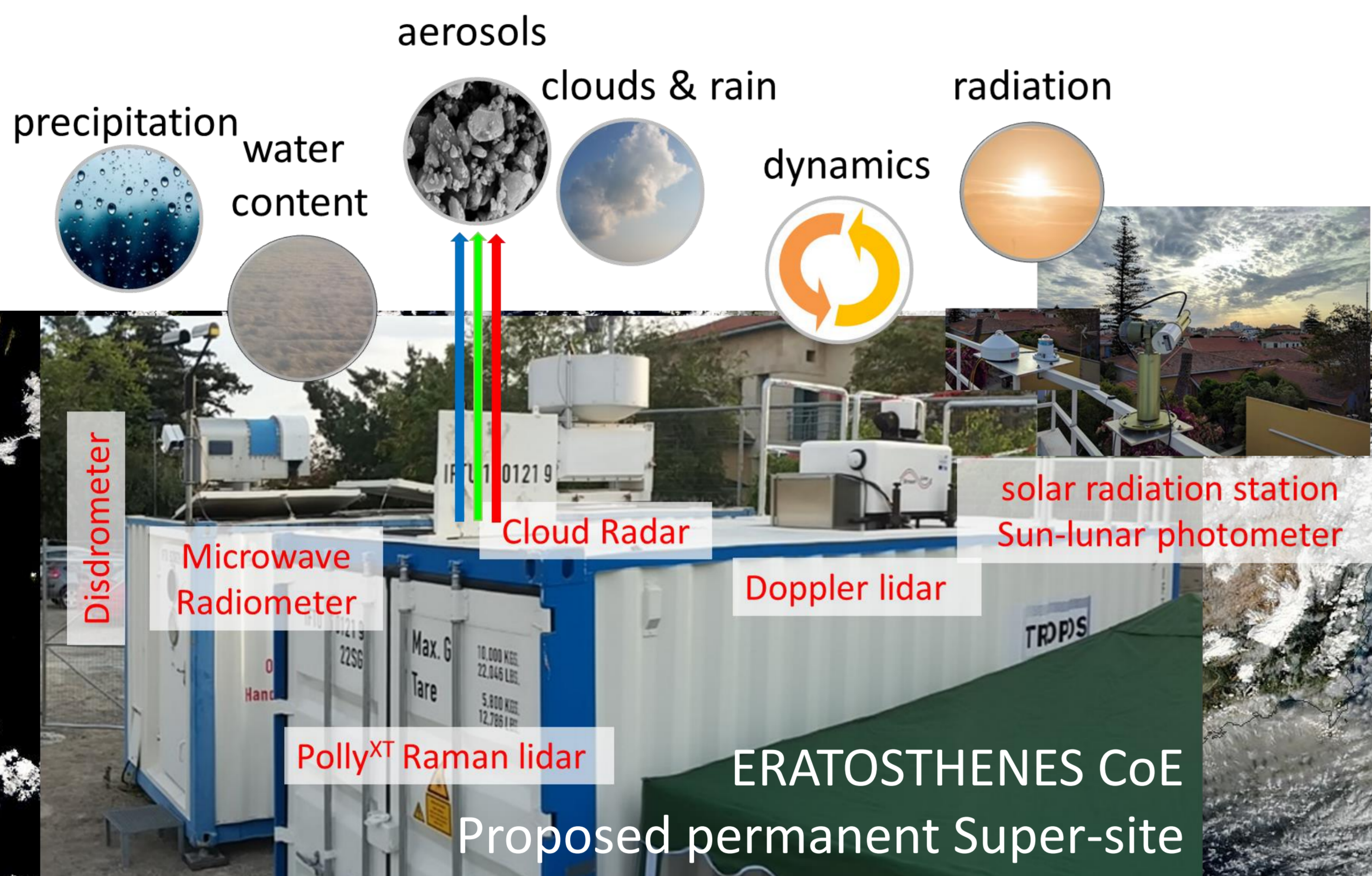
GI4.2: Lidar remote sensing of the atmosphere



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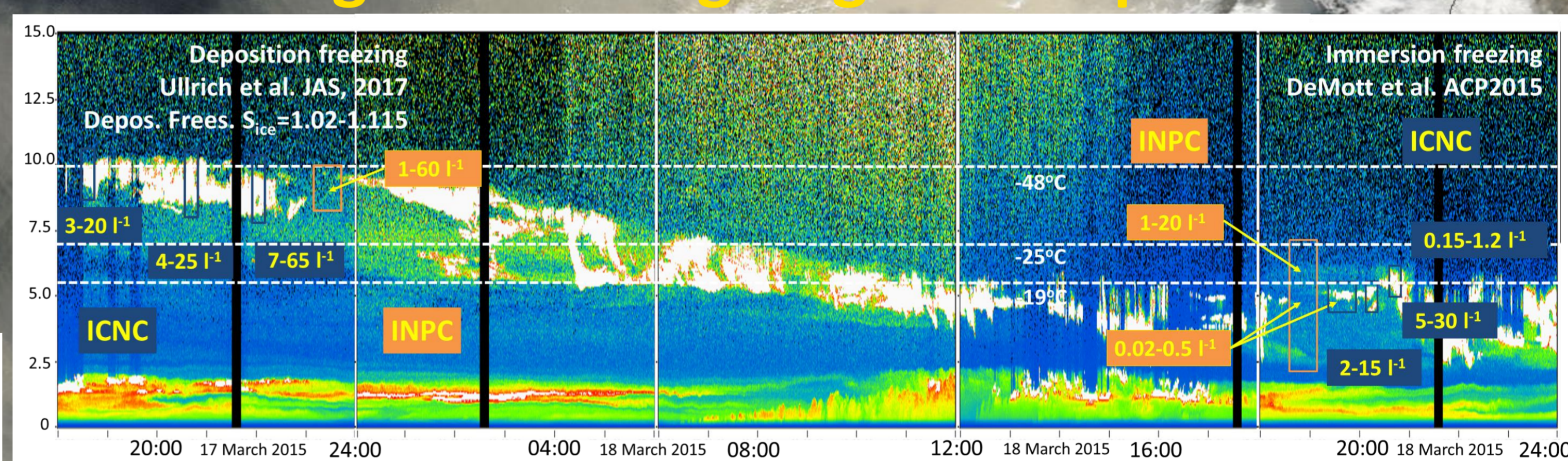


Limassol, Cyprus [34.7°N, 33°E]
ideal natural laboratory
for advanced and comprehensive
field studies of
climate change,
aerosol-cloud-dynamics-precipitation interaction,
weather-precipitation-dryness complex,
representative for
typical Mediterranean and even Middle East
meteorological conditions and for coastal areas in
the EMMENA region

ERATOSTHENES Research Centre of the Cyprus University of Technology (CUT) is going to become a **Centre of Excellence for Earth Surveillance and Space-Based Monitoring of the Environment** in the framework of the EU H2020-WIDESPREAD-04-2017-Teaming Phase2 [GA No 857510]. The EXCELSIOR team consists of CUT, DLR, NOAA, TROPOS, and the Cyprus' Department of Electronic Communications (DEC-MTCW).

EXCELSIOR can be regarded as a pioneering step forward to establish modern atmospheric field research in the EMMENA region and to upgrade the position of Cyprus in the European atmospheric monitoring landscape and networking infrastructures by means of active/passive remote sensing from ground and space.

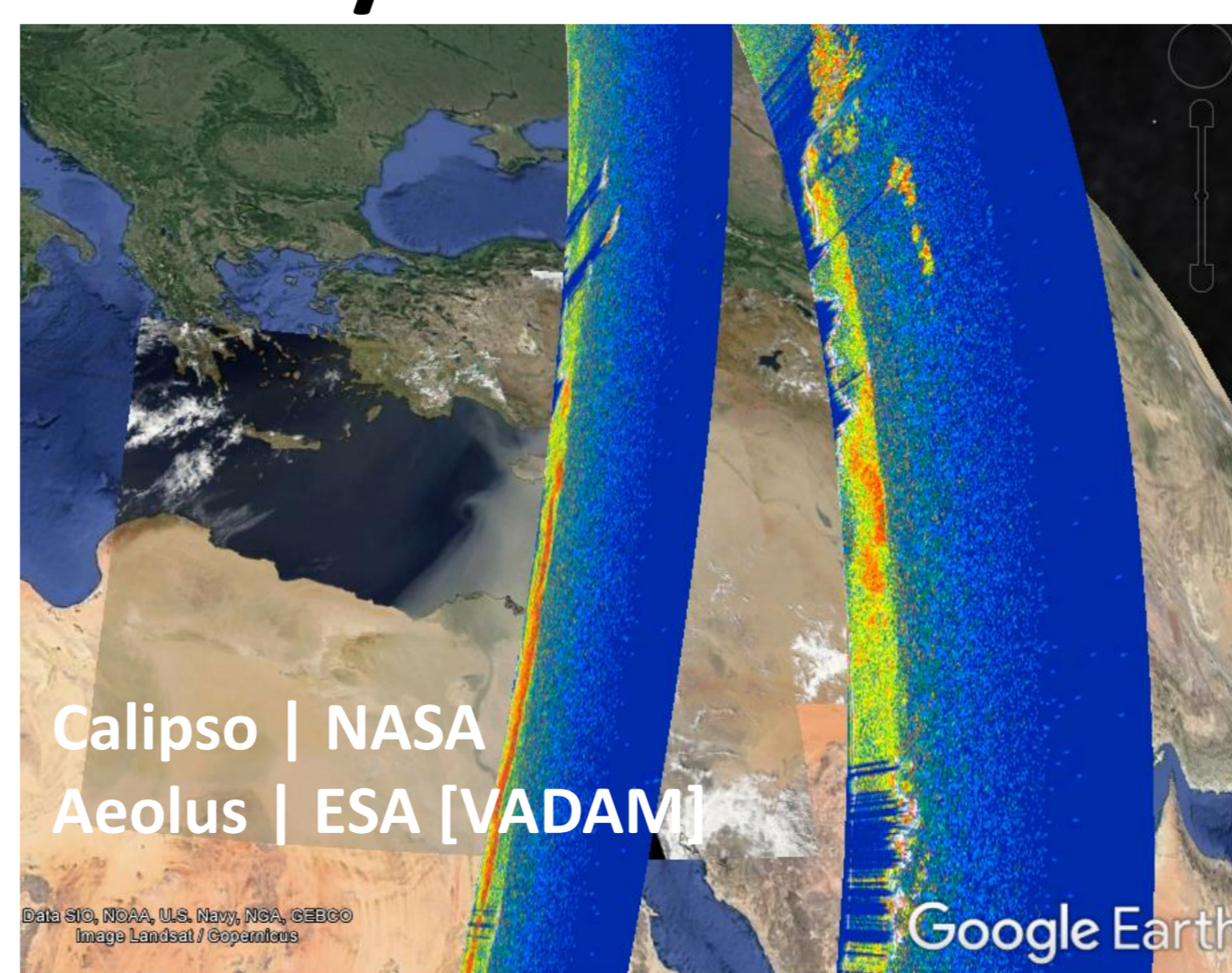
Monitoring and cutting-edge atmospheric research



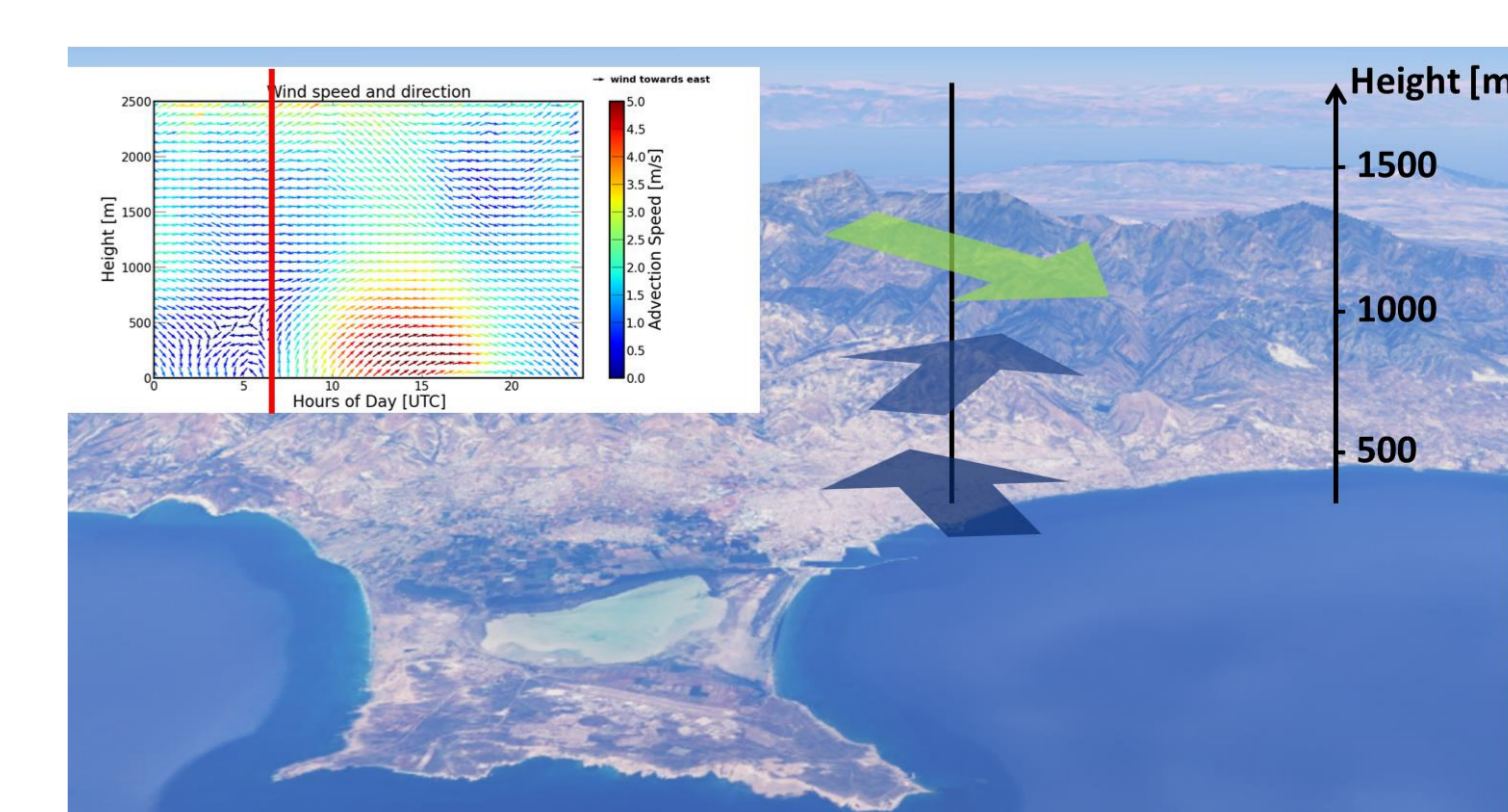
Closure studies - Campaigns



Ground Truth CAL/VAL activities



Local-Coastal Circulation



Acknowledgements

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