



ESA-JAXA Pre-Launch EarthCARE Science and Validation Workshop

13 – 17 November 2023 | ESA-ESRIN, Frascati (Rome), Italy

EVDC Cal/Val archive

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<https://evdc.esa.int>

EVDC specific support for EarthCARE

Improved graphical search interface

Data agreement – exchange of Cal/Val data and fast delivery of Cal/Val data to system developers

Search Cal/Val Data

Search our database of Cal/Val data. [Log in](#) to download the data products. Hover over the form fields to see more information about search criteria. Browse Documentation section of EVDC (see the menu above) to find out more about GEOMS standard and metadata.

Data

Location

Data Source Type

Data Discipline Field

Data Discipline Class

Data Originator

Data Supplier

Other

Frameworks

Principal Investigator

AO ID

DOI

Time and Location

Date Min

Date Max

Spatial Filter

Point/Min Longitude (Deg)

Point/Min Latitude (Deg)

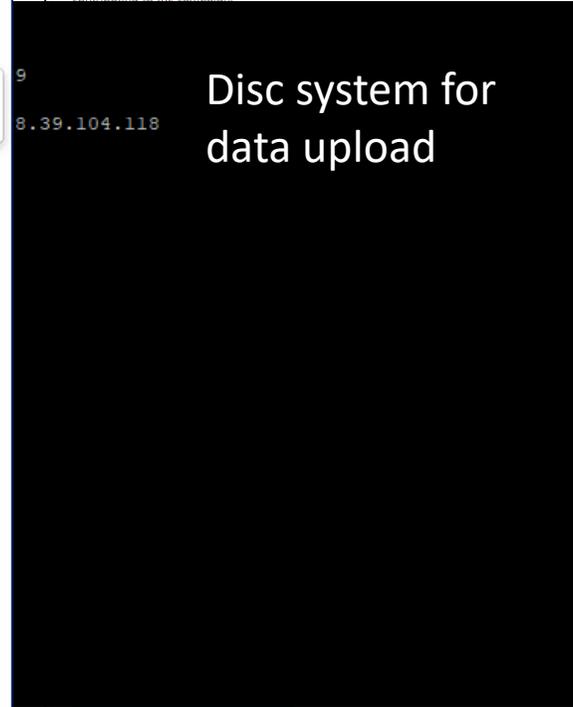
Point/Min Altitude (m)

Max Longitude (Deg)

Stations

Protocol for exchange of EarthCARE Validation Team (ECVT) data for EVDC ESA Validation Data Centre <https://evdc.esa.int/>

This protocol aims to encourage dissemination of data and results for scientists involved in the EarthCARE measurement campaigns and contributing networks/stations and to protect the rights of the involved individual scientists. The data from the EarthCARE campaigns and networks is provided to EVDC with the permission of each organization or data provider contributing to the campaign.



Pls and Co-Is, as members of the ECVT, will formally get access to the EarthCARE Cal/Val

formats fully documented or self-descriptive, and compliant with Generic Earth Observation files only when the necessary conversion is unfeasible even with EVDC support. are to have equal and complete access to the measurements produced during EarthCARE

ECVT and the ESA algorithm developers is not allowed and requires written permission

be made through personal contact with the data providers or owners. roval from the data originator.

icer (dpo@esa.int).

submitting this form

SIGN AND SUBMIT DATA PROTOCOL



EVDC Pre-launch results

AECARE (EVID05 ATMO-ACCESS) rehearsal – data harvested from EARLINET and CloudNET when there is a (syntetic) overpass, via APIs. Direct upload of data from individual stations in MPLNet, and UAV and LIDAR data from Cyprus.

F.Marengo

72 data agreement protocols signed, between data providers and EVDC.

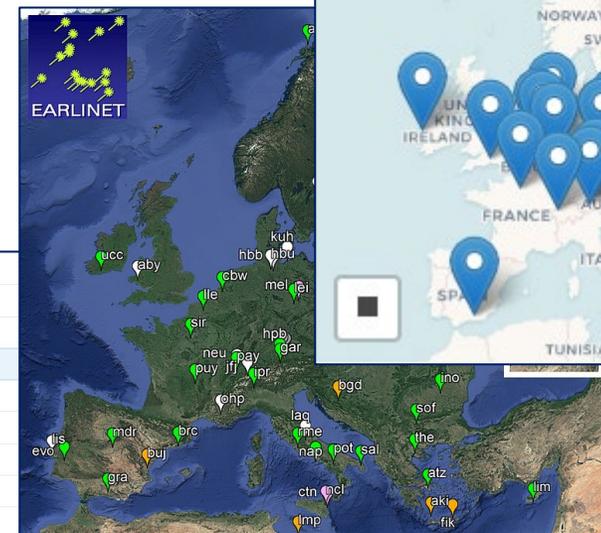
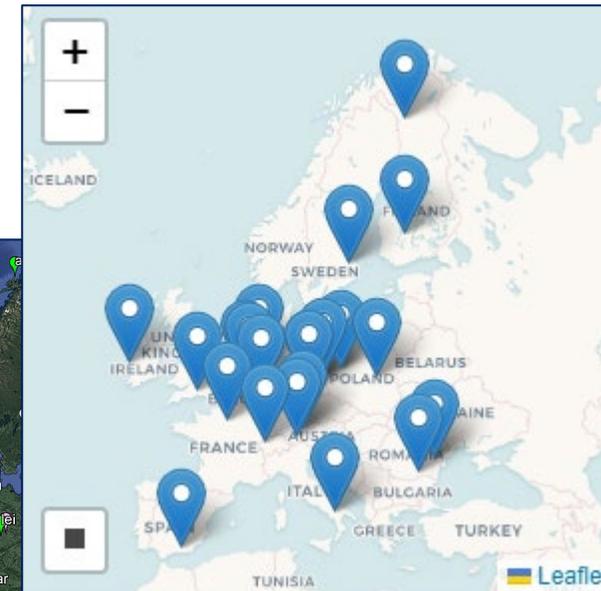
11 new harmonized GEOMS metadata templates created together with Cal/Val teams.

3 requests for templates.

Ongoing work with Level-3 data template for Aerosol LiDAR measurements.

302 individual measurement locations/principles registered based on input from 42 teams/EVID-AO proposals.

Cal/Val EVID-talks



GEOMS-TE-FieldmillElectrometer-001.csv	Update GEOMS-TE-FieldmillElectrometer-001.csv
GEOMS-TE-LHR-FRM4GHG-001.csv	Upload New File
GEOMS-TE-LIDAR-AEROSOL-004.csv	Upload New File
GEOMS-TE-LIDAR-AEROSOL-005.csv	Replace GEOMS-TE-LIDAR-AEROSOL-005.csv
GEOMS-TE-LIDAR-H2O-005.csv	Replace GEOMS-TE-LIDAR-H2O-005.csv
GEOMS-TE-LIDAR-O3-005.csv	Replace GEOMS-TE-LIDAR-O3-005.csv
GEOMS-TE-LIDAR-TEMPERATURE-005.csv	Replace GEOMS-TE-LIDAR-TEMPERATURE-005.csv
GEOMS-TE-MWR-003.csv	Replace GEOMS-TE-MWR-003.csv
GEOMS-TE-MWR-WIND-001.csv	Replace GEOMS-TE-MWR-WIND-001.csv

Recommendations

Dialouge with pre-launch test users.

Need for CAMS data support + aux. Data

Contribution to «Best Practices» document.



<https://evdc.esa.int>

EVDC for PIs

Have a look at our training material, videos and webinar recordings
Expect to be contacted by EVDC in the coming weeks
Meet us this afternoon in the demo room

EVDC database workshop in fall 2024 (Norway and online)

nadirteam@nilu.no / amf@nilu.no

Follow us on X [@evdc_team](https://twitter.com/evdc_team)

The screenshot shows the X (Twitter) profile for EVDC (@evdc_team). The profile header includes the name 'EVDC', handle '@evdc_team', and a bio: 'Our group is the team behind EO projects at NILU, and is also a part of the ESA - EVDC evdc.esa.int datacentre'. It also lists 'Science & Technology' as an interest and 'Joined December 2016'. The profile shows 178 following and 110 followers. The main content area displays a recent post from October 30th: 'Excited to see the first drone data from the rehearsal for ATMO-ACCESS pilot for EarthCARE Cal/Val arriving in EVDC'. Below this is a tweet from 'The Cyprus Institute' (@CyprusInstitute) dated October 26th: 'CARE-C Researchers Play Crucial Role in EarthCARE Satellite Mission for Advancing Global Climate Research @EMMECARE @esa @JAXA_en @ERATOSTHENESCoE | cyl.ac.cy/index.php/in-f...'. The tweet includes two images: one of a laptop displaying data and another of a person standing next to a drone on a tarmac.