

2nd MC Meeting

held at Davos, CH



PMOD/WRC hosted HARMONIA's second MC meeting on 9-10 May 2023. Two days full of discussion, networking, decisions and invited talks from expert scientists. 60 participants from many countries. This was the first in person gathering of HARMONIA and built a steady foundation for the development of the network. Looking forward to more in person meetings and workshops.

[Photos from the meeting](#)

STSM funded by HARMONIA

Verena Schenzinger was hosted in PMOD/WRC, for the first STSM of our action. The subject was the application of Cirrus cloud identification algorithm to different AOD datasets from various networks. Interesting preliminary results of this missions are shown in the graphical figure.

Clearing cirrus clouds from AOD measurements

Verena Schenzinger
 **ORIGIN**
 Institute for Biomedical Physics
 Medical University Innsbruck

 **HOST** *pmod* *wrc*
 Physikalisch-Meteorologisches
 Observatorium Davos, World Radiation
 Center

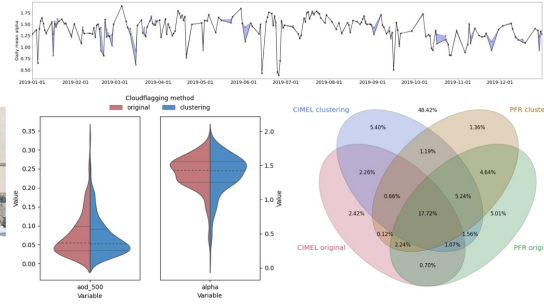


OBJECTIVE OF THE STSM
 improve the data quality of AOD measurements
 by applying a new cirrus detecting algorithm
 to stations with different aerosol regimes

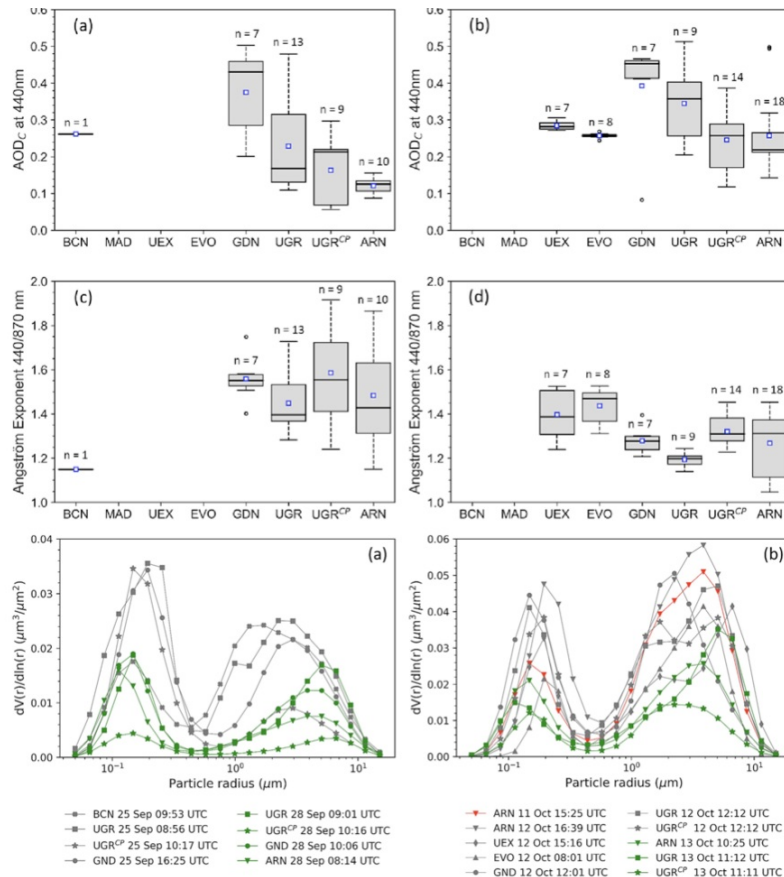
RESULTS



 **HARMONIA**



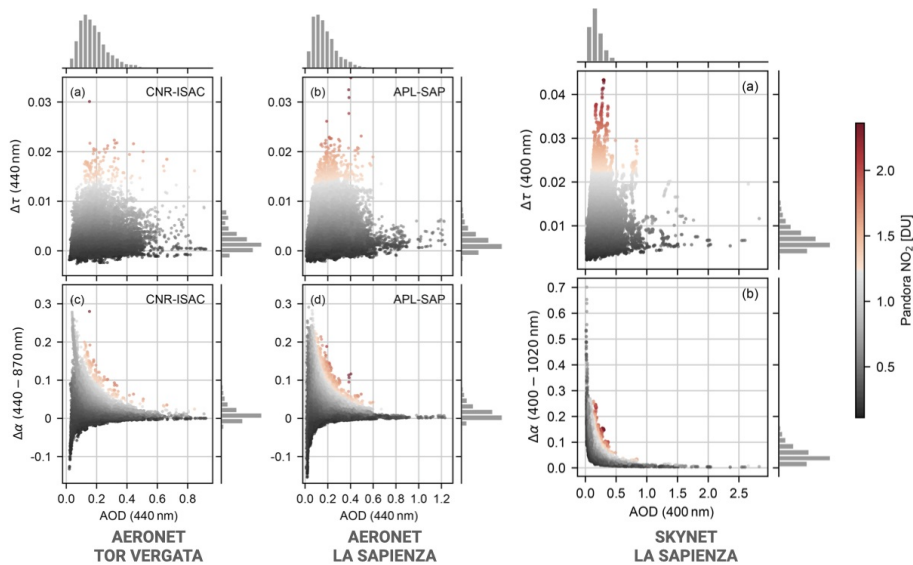
Characterization of Volcanic plumes



A new study is analyzing the characteristics of the volcanic plume from Tajogaite (Canary Islands), transported over Iberian peninsula. Focus is given to three events at 8 ground stations in Spain and Portugal. Tropospheric volcanic layers found to be dominated by low depolarizing particles. During the events, the contribution of volcanic plume to total AOD was found up to 82%.

[Read More](#)

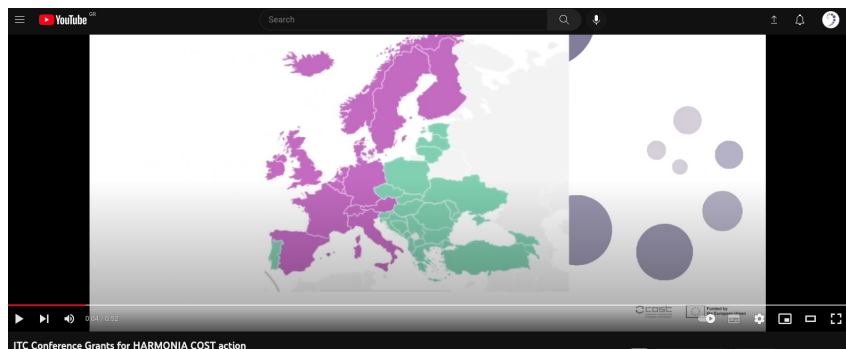
NO₂ effect on AOD



Most AOD retrieval processes either ignore NO₂ or use climatological values. In urban areas the spatiotemporal variation of NO₂ is very high, which lead to the majority of the actual concentrations to be far away from average climatology. A new study investigates the possible correction to AERONET and SKYNET data, using colocated PGN NO₂ data. At 440nm, the correction could be up to 20%, for the studied stations in Rome, Italy.

[Read More](#)

Open Calls



[Watch on Youtube](#)

Funding opportunities are still available from HARMONIA. Short Term Missions, Virtual Grants, Dissemination Grants and ITC conference Grants. If you are interested for applying for an ITC Conference Grant, watch the

video.

[Check the Open Calls](#)

PANGEA4CALVAL Webinars



The project “PANGEA4CaVal” of the National Observatory of Athens (NOA) (<https://pangea4calval.space.noa.gr>) organizes a webinar series on remote sensing of aerosols, clouds and precipitation (e.g. <https://www.youtube.com/watch?v=hW2ez27iPkl>), and invites you to participate!

If you want to receive notifications for future webinars, please reply to the following email react@noa.gr with your name, affiliation, and email.



HARMONIA

COST action

COST (European Cooperation in Science and Technology) is a funding agency for research and innovation networks. Our Actions help connect research initiatives across Europe and enable scientists to grow their ideas by sharing them with their peers. This boosts their research, career and innovation.



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