Training School and Workshop on Dust Aerosol Detection and Monitoring

9th - 17th November 2021

Image Credit: EUMETSAT Meteosat-8 (right) Natural Colour RGBs, 15 February 2021

Why this training?

Which Earth-Observation and services exist ?
→ **Awareness of state-of-the-art satellite-based, ground-based, and model-based products for aerosol detection and forecast**

Which data I can use for my needs ?
→ **Applicability and effectiveness of the respective products.**

How I use data ?
→ **Data discovery and interactive practical sessions**

Engage with existing and new Users and communities
Learn from you from you and your needs - network

Organized by EUMETSAT and the WMO SDS-WAS Regional Center (managed by the Barcelona Supercomputing Center, BSC, and the Spanish Meteorological State Agency, AEMET) with the support of Copernicus and ACTRIS programs.

How the workshop will work

Phase 1 - Introduction & data discovery				
Time CET	Tue, 9 Nov.	Wed, 10 Nov.	Thu, 11 Nov.	Fri, 12 Nov.
9-10 AM	Introduction to aerosol and dust. Sara Basart -BSC (45 min + Q&A)	Introduction to satellite data Anu-Maija Sundstrom - FMI (45 min + Q&A)	Introduction to ground-based observations Lucia Mona - CNR (45 min + Q&A)	Introduction to model-based data and how we use observations from satellites Sara Basart - BSC (45 min + Q&A)
10-11 AM	Introduction to observation concepts Federico Fierli - EUMETSAT (45 min + Q&A)	Intro to data, incl. data access, theoretical background, data structure 1 hour	Intro to data, incl. data access, theoretical background, data structure 1 hour	Intro to data, incl. data access, theoretical background, data structure 1 hour
11-12 AM	Introduction to the training platform 1 hour			
Duration	3 hours	2 hours	2 hours	2 hours
	Lectures	Practicals		

(Week 1)

Phase II: Practical workshop
|**New schedule due to the high amount of applications**

15-17 November
09:00-11:00 CET: Group 1
12:00-14:00 CET: Group 2

22-24 November
09:00-11:00 CET: Group 3
12:00-14:00 CET: Group 4

We have received > 300 applications for practicals

Virtual places of the workshop

Questions and user requirements survey
- slido.com **#DUST2021**

All material (Presentations, recordings, …)
- https://training.eumetsat.int/course/view.php?id=420

Practical training platform
- Register: https://login.ltpy.adamplatform.eu/
- Login: https://training.ltpy.adamplatform.eu/

Training material on EUMETlab:
https://gitlab.eumetsat.int/eumetlab/atmosphere