



Joint CAMS-FAIRMODE Meeting Setting the Scene



Atmosphere Monitoring



INERIS





CAMS provides full, free, open and quality assured data and information in relation to atmospheric composition. It constitutes a reference for state-of-the-art pan-european products and assessments. The main topics of relevance to national air quality practitioners are:

- Air quality forecasts and (re)analyses;
- European-scale emission inventories;
- Evaluation and quality control;
- Policy Service.

FAIRMODE is a joint JRC-EEA initiative, for exchanging experience and results from AQ modelling in the context of the EU Air Quality Directive between Member States. The objectives are to:

- Set-up a system on the quality assurance of air quality models and input data operating at different spatial scales.
- Provide guidance, and evaluate the fitness-for-purpose of AQ models and input data
- Support air quality management with efficient modelling tools.



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Rationale for a joint meeting

- There is a mutual interest of CAMS and FAIRMODE in developing air quality modelling uptake in Europe for public information and regulatory applications (AAQD)
- The main pre-requisite is to develop robust and transparent methodologies, accompanied by adequate QA/QC procedures
- There is a common responsibility for which we need the expertise and feedback of both the modelling community and potential users
- Complementarity of national & european modelling communities



Meeting / Discussion opportunities

- There is a long history (10y+) of exchanges and ‘cross-presentations’ at both FAIRMODE and CAMS meetings
- CAMS Policy User Meeting back to back with the FAIRMODE Technical Meeting allows for:
 - Experiment on process, training, hands on session and country/regional/city feedbacks
- CAMS Policy User Meeting back to back with the FAIRMODE Plenary Meeting allows for
 - Reporting to stakeholders at European, national and sub-national scales on fit-for-purpose modelling, on quality requirements as well as on mid/long term perspectives (needs for improvements and expectations)
- Newcomer: CAMS National Coll. Programme, strengthening technical links with national « competent authorities »

FAIRMODE

Benchmarking

CAMS Policy Support

AAQD
Modelling applications

AQ Planning



AQ Forecast



AQ Model quality



Source & emissions

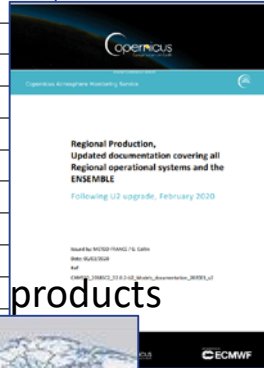
Source appt.



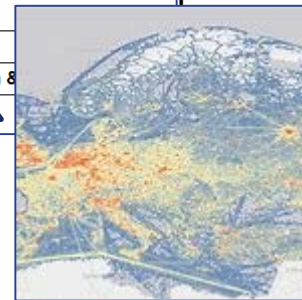
QAQC	WG2, WG3	↔	EQC, C82, C83
Dust	WG8	↔	C40, C71
Emissions	WG7	↔	C61
Comp Map	WG2	↔	NCP, C40 (IRA/VRA)
Data Fusion	WG6	↔	NCP, C40 (IRA/VRA)
Src. App.	WG1	↔	C71
Planning	WG5, WG9	↔	C71
Forecast Info		...	C40
Short Plans	WG5, WG9	...	
Microscale	WG4	...	

- Home
- Mitigation Scenarios
 - Air Control Toolbox
 - Policy scenarios
- Daily Air Pollution Forecasts
 - Local/Long-range
 - From countries
 - Chemical speciation
- Yearly Air Pollution Analysis
 - Source regions
 - Chemical speciation
 - Comparison with observations
- Air Quality Indicators
- Reports
- Workshops
- Documentation & FAQs

Regional products



Emission products



Guidance & recommendations

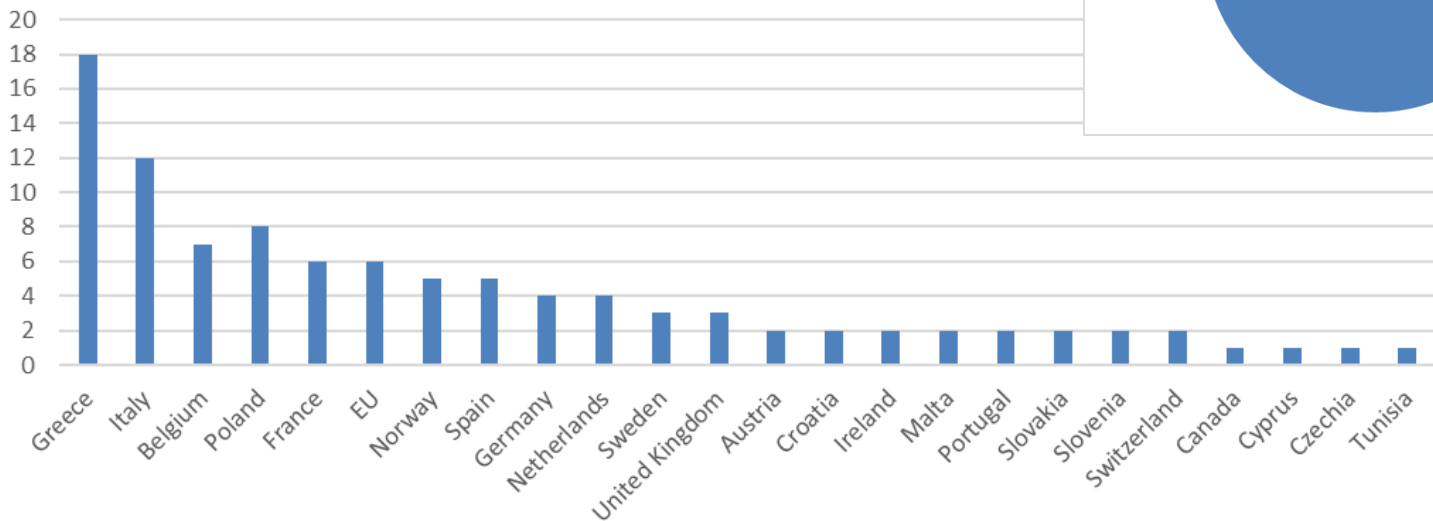


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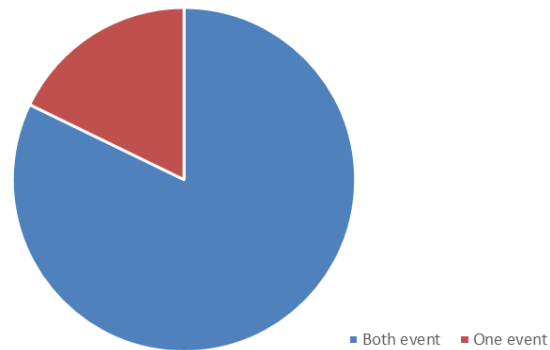
CAMS / FAIRMODE Participation

> 100 participants

Country participation



Joint participation





CAMS Meeting Agenda

Session 1 – Natural Dust – Joint CAMS - FAIRMODE exercise WG8

- 10:00 – 10:10 The joint CAMS-FAIRMODE natural dust exercise: advances so far (L. Tarrason, NILU)
10:10 – 10:20 Available and upcoming satellite products on dust (F. Fierli, EUMETSAT)
10:20 – 10:30 WMO expectations and possible contributions to the natural dust exercise (S. Basart, WMO)

Joint Dust Exercise

10:30 – 11:00 Coffee Break

- 11:00 – 12:45 Experience from countries – presentations from participants (please advise us of your interest to present your experiences) Expected contributions from
- Austria
 - France
 - Italy
 - Malta
 - Poland
- 12:45 - 13:05 Common discussion: is it possible to identify best practices for the use of CAMS products in the identification and subtraction of natural dust contributions to exceedances of PM10?
- 13:05 - 13:15 Summary of the session and way forward

Session 2 – Updates CAMS policy products and their performance

- 14:00 - 14:15 Updates on CAMS 2.0, new service elements and collaboration with FAIRMODE (C. Ananasso, ECMWF)
14:15 - 14:30 CAMS Policy Products: updates for 2023 and beyond (A. Colette, INERIS)
14:30 - 14:50 The performance of CAMS regional products following FAIRMODE model quality indicators and links to WG2 and WG3 (M. Gauss, Met Norway)
14:50 - 15:05 The 2022 IAR Interim assessment report (P. Hamer, NILU)
15:05 - 15:20 The use of CAMS data and products at EEA (I. Marnane, EEA)
15:20 - 15:35 Introduction to the “recent year” emission products by CAMS (J. Kuenen, TNO)

Updates from CAMS2_XXXX, NCP, TH + EEA

Session 3 – Documentation, guidance and training on CAMS products

- 16:00 – 16:30 The CAMS ACT tool to explore scenarios and sector allocation in the CAMS Policy website (A. Colette, INERIS)
16:30 – 17:00 The CAMS city and country allocation service in the CAMS Policy website (S. Tsyro, MetNo)
17:00 – 17:20 The CAMS website and main CAMS products from the regional and global services (M. Razinger, ECMWF)
17:20 - 17:40 How to retrieve and use data from the CAMS Atmosphere Data Store? Examples with Jupyter Notebooks (C. Steward, ECMWF)
17:40 – 18:00 Common discussion: Preferred training options and presentation of questionnaire to be filled out after the meeting.
- 18:00 End of meeting

Guidance & training



FAIRMODE technical: Meeting agenda

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Day 1: Wednesday October 4th

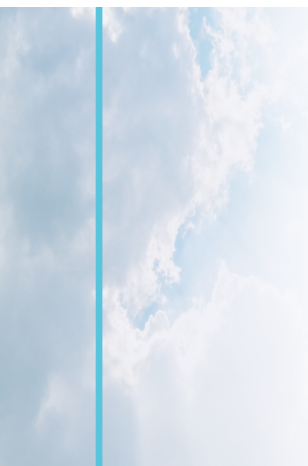
	CAMS 7 th PUW	FAIRMODE Technical 2023
09:00 – 10:00	Joint FAIRMODE – CAMS session	
10:00 – 10:30	CAMS: Natural dust	
10:30 – 11:00	Coffee break	
11:00 – 13:00	CAMS 6 th PUW	FAIRMODE WG1 (CAMS)

Day 2: Thursday October 5th

		FAIRMODE Technical 2023
14:00 – 15:30	+	
15:30 – 16:00		
16:00 – 16:30	09:00 – 09:10	Introduction to the AAQD Modelling guidance (S. Janssen)
16:30 – 18:00	09:10 – 11:00	WG1 (source Apportionment)
	11:00 – 11:30	Coffee break
	11:30 – 13:00	WG3 (Forecast) WG8 (Expos. Exceed. Design)

Day 3: Friday October 6th

		FAIRMODE Technical 2023
14:00 – 16:00		
16:00 – 16:30		
16:30 – 18:00	09:00 – 11:00	WG9 (QA/QC Planning)
	11:00 – 11:30	Coffee break
	11:30 – 13:00	WG5 (AQ Measures)
	13:00 – 13:15	AAQD Modelling guidance (S. Janssen)
	13:15 – 14:15	Lunch break
	14:15 – 14:30	Conclusions of the WG1 exercise on SA (A. Clappier)
	14:30 – 14:45	CEN WG264/43 – Standardisation request (C. Buens)
	14:45 – 15:05	LIFE – REMY (G. Maffei)
	15:05 – 15:20	EEA preliminary ideas for the future revision of the IPR (A. González Ortiz)
	15:20 – 15:30	Conclusions & closing of the meeting





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Next joint CAMS-FAIRMODE meeting

- Where: Grande Arche, La Défense, Paris
- When: 26-28/02/2024
- Host: French Ministry in Charge of Ecology

Fairmode: Mon 26 noon to Tue 27 pm
CAMS 8th Policy User Meeting: Wed 28

Note: Seating capacity is **limited**. Please confirm your interest in the early days of the registration





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Many thanks for your attention !

INERIS



Norwegian
Meteorological
Institute

TNO innovation
for life



NILU



European
Commission

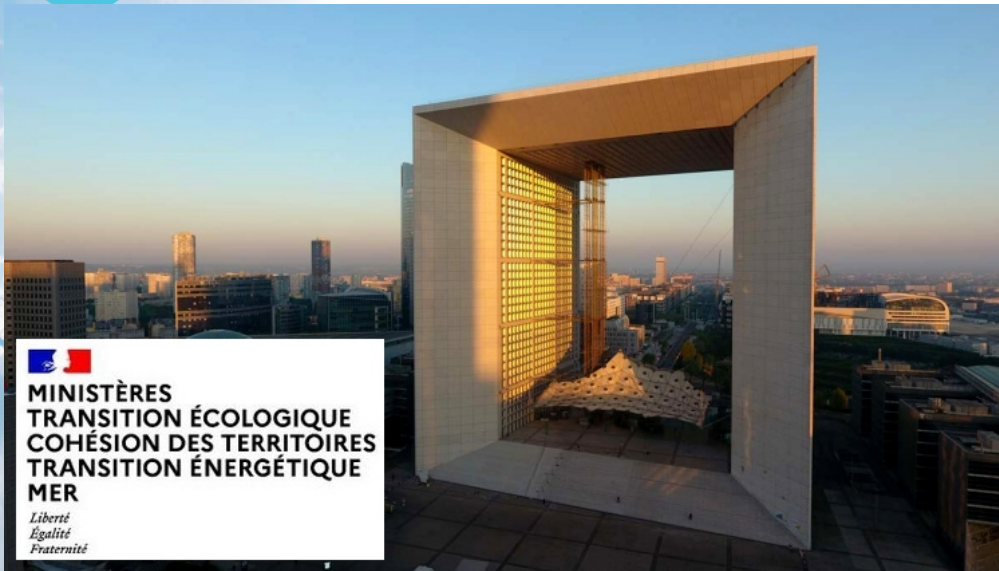


Copernicus
Europe's eyes on Earth





Next joint CAMS-FAIRMODE meeting



- Hosted by the French Ministry in Charge of Ecology
 - Copernicus National Focal Point => CAMS PUW
 - Air Quality Bureau => FAIRMODE
- Paris, February 26-28
 - Fairmode: Monday 26/2 noon to Tuesday 27/2 pm
 - Joint Social Dinner: Tuesday 27/2
 - CAMS 8th Policy User Meeting: Wednesday 28/2
- The seating capacity is **limited**, registration will undergo a validation process, please confirm your interest in the early days of the registration
- Location:
 - Grande Arche, La Défense
 - 10min subway from central paris



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