

Summary

Atmospheric particulate matter (PM) is a complex mixture of particles emitted by multiple sources. Positive Matrix Factorization (PMF) is a widely used receptor model to perform PM source apportionment studies, identifying main sources of pollution and estimating their contributions to PM concentrations in ambient air.

International experts on receptor models and their applications to environmental sciences will offer a comprehensive training course on the use of USEPA PMF 5 program.

The course will cover the following topics:

- Input data uncertainty estimates
- Case studies for contrasting types of environment
- Apportionment of PM_x, Organic matter, road dust, etc.
- Coupling of meteorological and epidemiological data

The training course is addressed mostly to PMF beginners

(PhD students, postdoctoral researchers and environmental technicians).



ORGANIZER



www.idaea.csic.es/egar

In the framework of
AIRUSE AfterLIFE Plan
<http://airuse.eu/>

Venue:

Institute of Environmental Assessment and Water Research
Spanish Research Council (CSIC)
Jordi Girona 18-26
08034 Barcelona, Spain
Bus: 7, 33, 60; TRAM: P.Reial; Metro L3: P.Reial

EGAR

Training Course

IV Training Course on Positive Matrix Factorization for source apportionment studies



5-7th February 2020
Spanish Research Council (CSIC)
Barcelona



IV Training Course on Positive Matrix Factorization for source apportionment studies



Preliminary Agenda

5th February(09:00: 16:30)

Welcome. The experience of IDAEA-CSIC
Xavier Querol
Research Professor at IDAEA-CSIC

The use of PMF for epidemiological data
Xavier Basagaña
Researcher at ISGlobal

The state-of-the-art of Receptor modelling
Philip K. Hopke
Professor at University of Rochester Medical
Center (USA)

The USEPA PMF 5 software
Fulvio Amato
Researcher at IDAEA-CSIC

Coupling source contribution estimates with meteo data
Marco Pandolfi
Researcher at IDAEA-CSIC

The application of PMF to ACSM/AMS data
Maria Cruz Minguillón
Researcher at IDAEA-CSIC

6th February (09:00: 17:30) Training session on USEPA PMF5

7th February (09:00: 14:00) Training session on USEPA PMF5

Registration

Limited to the first 30 applications. Subscription
fee: 250 euro

Interested parties should send an email to the
following address :

Fulvio Amato
IDAEA-CSIC
Tel: +34 934006129
fulvio.amato@idaea.csic.es

Venue

IDAEA (Room: Seminari A, ground floor)
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