

CHIMERE Workshop 2026

Programme

Thursday June 25

Morning session

Chair Guillaume Siour

09:00 – 09:30	Opening
09:30 – 09:50	Arineh Cholakian — CHIMERE LMD, France
09:50 – 10:10	Ludovico Di Antonio — Aerosol–cloud interactions CNRS-LATMOS, France
10:10 – 10:30	Andy Delcloo — Evaluation of SILAM and CHIMERE Airborne Birch Pollen Levels over Belgium Royal Meteorological Institute of Belgium, Belgium
10:30 – 11:00	Coffee break — poster viewing
<i>Chair Bertrand Bessagnet</i>	
11:00 – 11:20	Remy Lapere — The impact of European fires on aerosol and cloud properties in the Arctic: CHIMERE versus WRF-Chem LATMOS, France
11:20 – 11:40	Yelva Roustan — Two-way coupling CHIMERE-MUNICH ENPC, France
11:40 – 12:00	Gilles Foret — Modelling metals (Cu, Fe, Mn) from the European scale to the street level LISA/UPEC, France
12:00 – 13:30	Lunch break — poster viewing

Afternoon session

Chair Myrto Valari

13:30 – 13:50

Lya Lugon — Multi-pollutant contribution of wood heating to emissions, concentrations and population exposure during wintertime down to the street levels

CEREA/ENPC, France

13:50 – 14:10

Giorgia De Moliner — Refining NO_x Emissions using Satellite Observations: Inverse Modeling through DART–CHIMERE Data Assimilation of S5P/TROPOMI NO₂ Retrievals

Politecnico di Milano, Italy

14:10 – 14:30

Bertrand Bessagnet — High resolution air quality simulation in the Himalayan valleys, a case study in Bhutan

LMD, France

14:30 – 15:00

Coffee break — poster viewing

Chair Arineh Cholakian

15:00 – 15:20

Karine Sartelet — Modeling ultrafine particles and associated health metrics

CEREA/ENPC, France

15:20 – 15:40

Victor Lannuque — Challenges in modeling organic aerosols: comparing CHIMERE CTM results with measurements and PMF

INERIS, France

15:40 – 16:00

Florian Couvidat — Towards more realistic and efficient organic aerosol modeling in chemistry–transport models

INERIS, France

Chair Syvain Mailler

16:00 – 17:00

Informal discussions – Q&A

18:00 – 20:00

Cocktail — Les Caves d'Esclangon

Friday June 26

Morning session

Chair Bertrand Bessagnet

09:00 – 09:20

Arineh Cholakian — Biogenic emission factor assessment and recalculation for metropolitan France

LMD, France

09:20 – 09:40

Marta Garcia Vivanco — Evaluation of CHIMERE performance in estimating BaP and VOCs at a European scale: A multi-model intercomparison

CIEMAT, Spain

09:40 – 10:00

Frederik Meleux — Implementation of Chimere for air quality forecasting in France (Prév'air system) and in Europe (Copernicus)

INERIS, France

10:00 – 10:20

Fanny Velay Lasry — Operationalizing CHIMERE: from research advances to decision-ready air quality services

SUEZ ARIA Technologies, France

10:20 – 10:50

Coffee break — poster viewing

Chair Guillaume Siour

10:50 – 11:10

Diego Rojas — Multi-scale modeling of air quality in the Makkah Province and Riyadh City, Saudi Arabia

KAUST, Saudi Arabia

11:10 – 11:30

Mael Le Guillouzic — High-resolution probabilistic air quality forecasting integrating AI with CHIMERE

LMD, France

11:30 – 11:50

Palmira Messina — Surrogate modelling with CHIMERE

INERIS, France

11:50 – 13:30

Lunch break — poster viewing

Afternoon session

Chair Romain Pennel

13:30 – 13:50

Baptiste Thomas — Surface and boundary layer sensitivities in CHIMERE under updated CAMS land-use specifications

INERIS, France

13:50 – 14:10

Tristan Carion — Impact of high-resolution emission and meteorological inputs on CHIMERE over Belgium (2022)

Royal Meteorological Institute, Belgium

14:10 – 14:30

Léo Adenis — Modelling radioactive pollution with CHIMERE
CEA, France

14:30 – 15:00

Coffee break

Chair Bertrand Bessagnet

15:00 – 15:30

Informal discussions – Q&A

Chair Ludovico Di Antonio

15:30 – 17:00

Users feedback