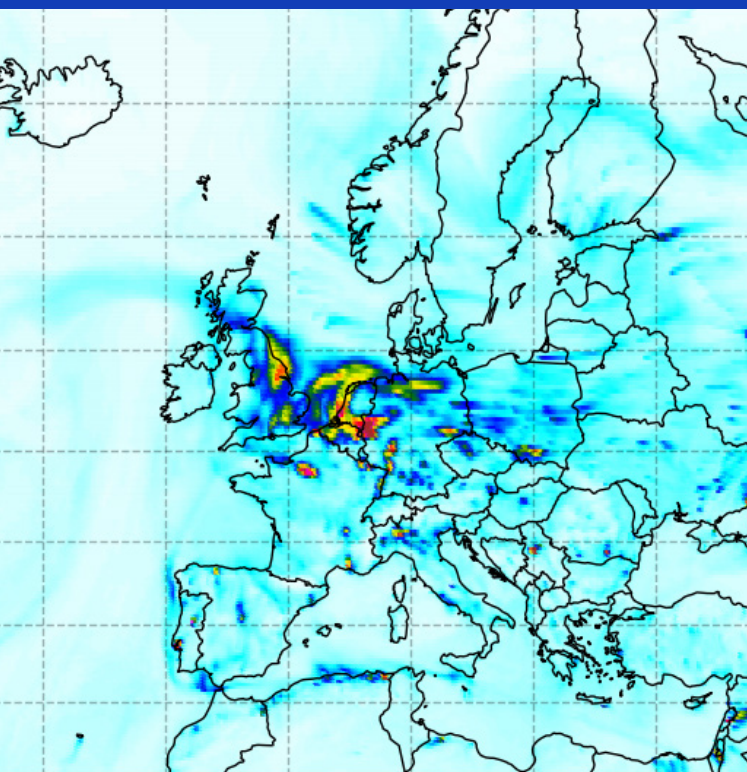


LOTOS - EUROS workshop

Air quality modeling
and emissions

25 & 26 January 2024
TNO Utrecht



Thursday 25 January

LOTOS-EUROS new developments

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|---------------|--|---|
| 12:00 - 13:00 | Registration and walk in lunch | |
| 13:00 - 13:05 | Welcome and introduction to the workshop
Ioanna Skoulidou |  |
| 13:05 - 13:30 | LOTOS-EUROS developments in context
Astrid Manders |  |
| 13:30 - 14:00 | LOTOS-EUROS policy support tools and connection to health impact
Renske Timmermans |  |
| 14:00 - 14:30 | Modelling atmospheric nitrogen deposition - New developments and applications
Martijn Schaap |  |
| 14:30 - 15:00 | Latest developments in emissions for PM including ultrafine particles and semi-volatile compounds
Jeroen Kuenen |  |
| 15:00 - 15:30 | Break | |

Developments and case studies

- | | |
|---------------|--|
| 15:30 - 15:50 | Improving the spatio-temporal variability of greenhouse gas emissions for North-Western Europe
Sabine Banzhaf - FUB |
| 15:50 - 16:10 | CH4 emission inversions
Arjo Segers - TNO |
| 16:10 - 16:30 | Five years of LOTOS-EUROS activities in LAP/AUTH
MariLiza Koukouli - AUTH |
| 16:30 - 16:50 | Determining the aviation and shipping contributions to pollutant concentrations in European cities
Janot Tokaya - TNO |
| 16:50 - 17:10 | Air pollution modelling in complex topography of Colombia
Lucía Quintero - EAFIT |
| 17:10 - 18:00 | Drinks |
| 19:00 | Dinner |

Friday 26 January

User workshop

9:00 - 9:20	Model validation and emission estimation for NO ₂ /NO _x and NH ₃ over the Netherlands using satellite observations Henk Eskes- KNMI
9:20 - 9:40	Adapting LOTOS-EUROS deposition module to Portugal André Barreirinha - UA
9:40 - 10:00	Shipping contributions in Mediterranean area Andreas Pseftogkas - AUTH
10:00 - 10:20	Improving ammonia emission modelling with the inclusion of weather impacts on crop growth and multiple fertilizations on grassland Jerry Ge - TNO
10:20 - 10:30	Coupling LOTOS-EUROS with the ADMS-Urban model, using a new MAQS system Darijo Brzoja - DHMZ
10:30 - 10:40	Downscaling LOTOS-EUROS in the frame of the CAMS national collaboration programme for the Netherlands John Douros - KNMI
10:40 - 11:00	Coffee break

11:00 - 11:20	Ensemble data assimilation applications with LOTOS-EUROS in China Jianbing Jin - NUIST
11:20 - 11:40	Comparison of the TROPOMI NO ₂ data assimilation using the HARMONIE or ECMWF Andrés Yarce Botero - KNMI
11:40 - 11:50	Data assimilation of helicopter-borne data Santiago Isaza Cadavid - EAFIT
11:50 - 11:55	Labelling runs and inverse modelling Simeng Li - CML
11:55 - 12:00	Comparison of state-of-the art deposition schemes with NH ₃ flux measurements in a coastal dune area Tycho Jongenelen - CML
12:00 - 12:05	Modelling personalized air pollution exposure Luka Denk - IHS
12:05 - 12:10	Use of LE and S5P/TROPOMI over Uruguay Bruno Guigou - GUB
12:10 - 12:30	New developments and validation Richard Kranenburg/Leon Geers - TNO
12:30 - 12:55	Discussion
12:55 - 13:00	Closure

Register?

Send an email to cas-projects@tno.nl before 12th of January and indicate whether you are present:

- first day, second day or both
- in person or on-line

Location

TNO Utrecht
Princetonlaan 6
NL-3584 CB Utrecht