



20th International Conference on  
Harmonisation within Atmospheric Dispersion Modelling  
for Regulatory Purposes  
14-17 September 2020, Tartu, Estonia

## SPECIAL SESSIONS

*April 7, 2020*

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### SS1- MICROSCALE MODELLING FOR AMBIENT AIR QUALITY DIRECTIVES

A consultation within the FAIRMODE community made clear that micro-scale modelling is used more and more in a policy context to support the implementation of the Ambient Air Quality Directives (AAQD). One of the key open issues that was identified is the derivation of annual statistics (such as an annual average or percentiles) based on micro-scale modelling results. The aim of this session is on one hand to understand how micro-scale modellers post-process their data to obtain annual statistics that are relevant for the AAQD and on the other to understand which input would be necessary for a potential inter-comparison of these methodologies. Indications for contributing to this special session will be circulated in due time.

*Scheduled agenda: 3 hours*

*Part 1 - PRESENTATION:* volunteering participants briefly present their methodology and answer specific questions following a given template provided by the organisers.

*Part 2 - DISCUSSION:* open discussion to understand if a potential inter-comparison exercise could be organised with the goal to recommend best practices.



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## SS2 - A CTM intercomparison platform to assess model sensitivities to emission changes

The sensitivity of model responses to emission reductions when input data (emissions, meteorology...) or the model itself are changed is recognised as an important issue to be addressed in the context of FAIRMODE. It is indeed a key element to ensure robust policy making. The scope of this activity is to assess, discuss, explain and minimize model (mostly CTM) discrepancies with the support of a dedicated modelling inter-comparison platform. During this dedicated HARMO session, we will present the design of the inter-comparison platform, show some preliminary results and discuss ways forward.

*Scheduled agenda: 2 hours*

*Part 1 - MOTIVATION AND METHOD:* an overall presentation to explain why we set-up this platform, why we came out with this solution to approach the issue, what do we want to check.

*Part 2 - PRESENTATION OF THE PLATFORM:* introduction to the overall set-up and description of preliminary results achieved.

*Part 3 - DISCUSSION:* open discussion and planning of next phases.



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### **SS3 - CORONA Virus Covid-19: effects of lockdown on air quality, possible connections with air pollution.**

The spread of Corona Virus Covid-19 in the first months of 2020 led to the lockdown in several Countries worldwide. There are two main scientific issues in the field of air pollution, which scientists are expected to investigate: how and how much the lowering of the emissions due to the lockdown had an effect on the air quality; whether and how the virus may be transported by aerosols and spread in the atmosphere, outdoor and indoor, and how this can be modelled. Contributions to this special session will be collected in early June, re-opening the abstract submissions.

*Scheduled agenda: 3 hours*

*Part 1 - INTRODUCTION TO THE SESSION:* a presentation of the actual situation and of the air-pollution items related to the Covid-19 spread.

*Part 2 - PRESENTATIONS:* oral and poster contributions of (preliminary) studies performed.

*Part 3 - DISCUSSION:* open discussion and recommendations on how the air-pollution community may contribute to the understanding of the phenomenon.