

16th International Conference on
Harmonisation within Atmospheric
Dispersion Modelling
for Regulatory Purposes
8-11 September 2014, Varna, Bulgaria

Harmo 16 is supported by

WMO/GAW/GURME – www.wmo.int



and The European Association for the Sciences of Air
Pollution, www.eurasap.org



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Steering Committee

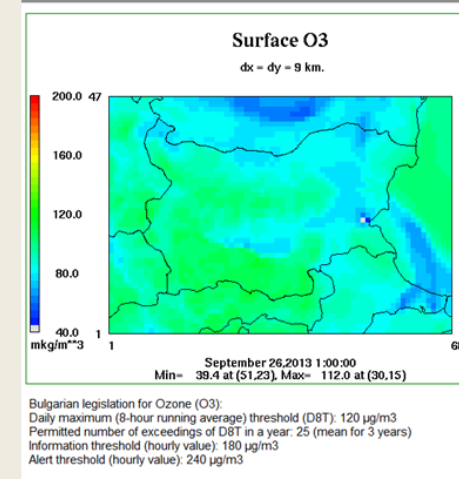
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HARMO16



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www.harmo.org/harmo16
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SECOND ANNOUNCEMENT

Audience

The 16th International conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes (Harmo 16) is aimed towards model developers, model users, environmental protection agencies and legislation experts. What distinguishes this conference from many others is its focus on common tools and methodologies.

Focus of the conference

The series of international conferences on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes is concerned with the improvement of "modelling culture" both in Europe and at an international level.

Dispersion modelling is widely used for regulatory purposes, both for permits and for assessments, but there is a lack of sufficient mechanisms to make modelling processes transparent and ensure trust in modelling results.

There are still many aspects and open questions, such as: Are the models scientifically sound for the purpose they are used?; Are the models validated against observations or physical experiments?; Are the models properly used by the experts?; Are the users familiar with good practices and do they avoid bad practices?; Are model developments sufficiently quality assured?; Are reference problems established?; Is proper exchange of experiences ensured? Work on these questions is needed in order to assess the air quality impacts on society and nature, on human health, biodiversity and climate.

Such issues that are not specific for one particular model, but common to several, are in focus at the 16th International conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes.

The series of Harmonisation conferences started in 1991 (see www.harmo.org) and is a natural forum for discussing modelling issues related to the European Union air quality directives. European networks such as the FAIRMODE network and COST Actions may find the conference useful in order to expose their work to a wider audience.

The Harmonisation conferences provide the ground where model users and decision-makers can bring their requirements to the attention of scientists and search together for better regulatory tools and indicators for the diverse impacts of air quality.

Find further details:

<http://www.harmo.org/harmo16>

Contact:

harmo16@harmo.org

Call for abstracts

Short abstracts of maximum 350 words should be submitted by **February 15, 2014** using the template at: <http://www.harmo.org/harmo16/abstracts> indicating preference for topic and for oral or poster presentation.

Sessions will be organised within the following topics:

- Model evaluation and quality assurance – model validation, model intercomparisons, model uncertainties and model sensitivities
- Environmental impact assessment: Air pollution management and decision support systems
- Use of modelling in support of EU air quality directives, including FAIRMODE
- Parametrization of physical processes in mesoscale meteorology relevant for air quality modelling
- Urban scale and street canyon modelling: Meteorology and air quality
- Use of modelling in health and exposure assessments
- Inverse dispersion modelling and source identification
- Modelling air dispersion and exposure to accidental releases
- Historical reviews and highlights of past work. Special session mainly devoted to prominent scientists and 'golden papers' of the past, which have still relevance and should not be forgotten.

The Steering and Scientific committees follow certain criteria when selecting papers. For oral presentation it is essential that the work fits well into the philosophy of improving the modelling culture, common use and understanding of tools among modellers, users and regulators.

Special sessions may be arranged on model evaluation exercises and other topics within the scope of the conference. If you have suggestions for special sessions please contact the organisers as soon as possible.

Conference participants are invited to use the rich collection of data sets and other information from www.harmo.org

An award for the best poster presentations by early stage researchers is foreseen. Eligible are scientists younger than 35 who are first authors on the poster and have notified the organisers that they want to participate.



NIMH



BAS



ExEA

Important Dates

- Short abstracts by **February 15, 2014**.
- Confirmation for acceptance by **April 15, 2014**.
- Early registration by **15 May 2014**.
- Five-page extended abstracts by **June 30, 2014**.

Location and registration

The Conference will take place at Golden Sands Resort near Varna, 8 – 11 September 2014.

A number of regular and charter flights are operated to Varna Airport.

Registration for the conference and hotel options at attractive rates are available through <http://www.harmo.org/harmo16>

Conference Fees

- Early registration /before May 15, 2014/ - 400 Euro
- Late registration - 450 Euro
- Early registration students /before May 15, 2014/ - 300 Euro
- Late registration students - 350 Euro

* Steering Committee and Scientific Committee pay the corresponding fee less 50 Euro

* EURASAP members pay the corresponding fee less 20 Euro

Organising Institutions

The National Institute of Meteorology and Hydrology at the Bulgarian Academy of Sciences is the largest research institute in meteorology and air pollution modelling and acts as national hydro meteorological service.

Bulgarian Academy of Sciences - The Harmo16 conference is organized in the year of the 145 years Bulgarian Academy of Sciences celebration. A number of institutes at BAS are carrying out research in the field of Air Quality and Environmental Protection Sciences, as well as climate, meteorology, geophysics, chemistry, biology, urban environment, etc.

Executive Environment Agency (ExEA) is an administration with the Minister of Environment and Water to carry out management, coordination and information functions as regards the control and environmental protection in Bulgaria. It designs and manages the National System for Environmental Monitoring for monitoring and information on the state of environmental components and factors on the complete territory of the country. ExEA is a National Reference Centre within the European Environment Agency (EEA). ExEA is a Member of EPA Network - an informal grouping bringing together the directors of environment protection agencies and similar bodies across Europe. The network exchanges views and experiences on issues of common interest to organisations involved in the practical day-to-day implementation of environmental policy.