

Eighth International Conference on

**HARMONISATION WITHIN
ATMOSPHERIC DISPERSION
MODELLING FOR REGULATORY
PURPOSES**

Sofia, Bulgaria, 14-17 October 2002

Proceedings

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Demetra Ltd.
'Akad. G. Bonchev' Str., Block 8, 1113 Sofia, Bulgaria

Demetra Ltd.
ISBN 954-9526-12-7

Graphic design: E. Batchvarova, N. Mladenov
Cover: N. Mladenov

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Preface

Dispersion modelling has proved to be a very effective tool to assess the environmental impact of the human activities on air quality already at the planning stage. Such assessments are often needed, and for certain construction works EU directive 85/337/EEC requires them. Only models allow the decision-maker to build up a number of scenarios, in which the various processes determining the environmental load can be easily simulated and changed.

Furthermore, the EU framework directive on air quality (96/62/EC) requires an extensive assessment of air quality in the EU states. It calls for modelling as one of the methods for assessing air quality and it emphasises the need for common methods for air quality assessments. Accordingly, there is a need for the European countries to build upon the experiences of each other, and to harmonise the development and use of models in several respects.

In June 1991, the Joint Research Centre of the European Commission took an initiative on the sharing of information and possible harmonisation of new approaches to atmospheric dispersion modelling and model evaluation. This initiative has fostered a series of conferences that have been concerned with improvement of “modelling culture” in Europe.

The 8th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes held in Sofia, the capital of Bulgaria, 14-17 October 2002, continues the efforts of the previous conferences. Special emphasis is made on the improvement of connections between air pollution modellers and managers, and on the environmental issues of the European Union enlargement process.

Additional information on the Harmonisation Initiative can be found on the web at the following address: <http://www.dmu.dk/AtmosphericEnvironment/harmoni.htm>

The scope of this Conference is covered by the following topics:

1. Validation and inter-comparison of models; model evaluation methodology;
2. Regulatory models: country review;
3. Short distance dispersion modelling; meteorological pre-processing;
4. Urban scale and street canyon modelling: meteorology and air quality ;
5. Mesoscale meteorology and air quality modelling;
6. Environmental impact assessment: air pollution management and decision support systems. Transfer of EU environmental legislation in the candidate counties.

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of the

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14-17 October 2002

Sofia, Bulgaria

E. Batchvarova - National Institute of Meteorology and Hydrology, Bulgarian Academy of Sciences

D. Syrakov - National Institute of Meteorology and Hydrology, Bulgarian Academy of Sciences

The Eighth International conference on

Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes

14-17 October 2002, Sofia, Bulgaria,

was sponsored by:

The European Association for the Science of Air Pollution



and

The Kozloduy Nuclear Power Plant, Bulgaria



*The Company for International Meetings Ltd.,
18 Christo Belchev Street, 1000 Sofia, BULGARIA,*

took care of the conference facilities, accommodation and social events.

