

Convention on Long-Range Transboundary Air Pollution

Cooperative Programme for Monitoring and Evaluation of the Long-range
Transmission for Air Pollutants in Europe (EMEP)

TFMM WORKSHOP ON THE REVIEW OF THE MSC-E MODELS ON HEAVY METALS AND PERSISTENT ORGANIC POLLUTANTS

organized by

Task Force on Measurements and Modelling (TFMM) and Meteorological Synthesizing
Centre East (MSC-E)

(13 - 14 October 2005, Moscow, the Russian Federation)

FIRST ANNOUNCEMENT

According to the recognition of the EMEP Task Force on Measurements and Modelling “that model review had to remain a continuous activity to be pursued as data availability and quality, and model performance, were improved” [EB.AIR/GE.1/2003/3] TFMM in close collaboration with the MSC-E will hold Workshop on review of HM and POP models in 13-14 October 2005 (Moscow, the Russian Federation).

The main purpose of the workshop is to review and to evaluate the EMEP/MSC-E models on HMs and POPs; to consider the ability of the models to provide concentration and deposition data to facilitate the evaluation of the effects of air quality on ecosystems, support the assessment of health effects by providing regional concentrations of health-relevant pollutants, determine trends in regional air concentration and deposition data over Europe, and establish the response of regional air quality to emission changes for use in the development of emission reduction strategies (source-receptor calculations); and to support the preparatory work for the review of the new entered into force Protocols on HMs and POPs to the Convention on Long-Range Transboundary Air Pollution UN ECE.

Review and evaluation of the EMEP models on HMs and POPs will be based on the following:

- information on different model approaches, including description of models;
- analysis of the model parameterization, taking into account atmospheric transport and dispersion, wet and dry deposition, and atmospheric chemistry;
- peer review of the ability of models to fit the purposes: concentration and deposition fields, long-term trends, ecosystem-dependent deposition, source-receptor relationships for cadmium, lead, mercury, benzo(a)pyrene, and dioxins/furans;
- intercomparison of HM and POP models, involving national experts;
- comparison between results from the EMEP models and observations;

- information on current state of :
 - meteorological data (parametrization),
 - emissions (official emission data and expert estimates, spatial distribution, seasonal variations, historical trends, verification procedures and uncertainties, ect),
- measurement data (concentration in air and precipitation, estimates of gas-aerosol partitioning, concentration in sea, soil and vegetation, quality assurance and accuracy, ect).

Discussion may cover the activity on HM and POP models developed under EMEP, relevant international programmes and at national level.

The Workshop will consist of two working groups (WG on POPs and WG on HMs) and plenary session. Background documents will be prepared in close cooperation with leading HM and POP modelers. The official language of the meeting will be English.

Workshop Secretariat

Meteorological Synthesizing Centre East of EMEP

Leningradsky prospect 16/2

125040 Moscow, Russia

Tel./fax: 007 095 214 39 93

E-mail: marina.varygina@msceast.org

Responsible secretary:

Mrs. Marina Varygina

It would be appreciated if information on the Workshop and this announcement would be forwarded to scientists involved in HM and POP model activity in your own country.

There will be no conference fee. Travel and accommodation expenses should be covered by workshop participants themselves.

A second announcement including a provisional agenda, background documents and information on local arrangements for the workshop are planned to be sent out to participants in August 2005.

Kindly note that the attached registration form should be filled in and returned to the Workshop Secretariat by e-mail marina.varygina@msceast.org before 15 May 2005.