

Decision 2012/13

Changing of the EMEP grid projection, spatial resolution and domain

The Executive Body,

Recognizing the scientific rationale supporting the proposal for changing of the Cooperative Programme for Monitoring and Evaluation of the Long-range Transmission of Air Pollutants in Europe (EMEP) grid projection, spatial resolution and domain, as proposed by the EMEP Steering Body and elaborated by the Meteorological Synthesizing Centre-West (MSC-W) in collaboration with the Task Force on Measurements and Modelling and the Task Force on Emission Inventories and Projections,

Noting the various benefits the proposed change will bring for the work of Parties, the EMEP Steering Body, the Working Group on Effects, various task forces, expert groups and centres,

Acknowledging the importance of the flexibility introduced by this change into modelling work by allowing for better representation of regional and urban processes relevant for transboundary fluxes, transport of pollutants and source-receptor relationships,

Welcoming the support for the proposal expressed by Working Group on Effects recognizing the positive impact of improved spatial resolution on its effects-oriented work,

1. *Decides* to:

(a) Change the EMEP grid polar stereographic grid projection to latitude-longitude projection;

(b) Increase the grid spatial grid resolution from approximately 50 x 50 km² to latitude-longitude 0.1° x 0.1°;

(c) Adjust the EMEP grid domain accordingly, as proposed by MSC-W as a consequence of the change of the grid projection.

2. *Requests* the EMEP Steering Body to develop the necessary adjustments to the Guidelines for reporting emission data under the Convention on Long-range Transboundary Air Pollution (Reporting Guidelines) (ECE/EB.AIR/97) and the adjustments to the *EMEP/EEA air pollutant emission inventory guidebook*, and to present the outcome to the Executive Body at its thirty-second session;

3. *Invites* Parties that have already developed fine scale spatial emission data inventories for their national purposes, to report them to the Centre on Emission Inventories and Projections as soon as possible, but not later than specified in the Reporting Guidelines.
