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## Revised mandate for the EMEP Task Force on Measurements and Modelling (TFMM)

The EMEP Steering Body, considering the evolution of EMEP since the TFMM was established in 1999 decided:

1. The mandates for the EMEP task forces need to be revised and updated to make them consistent with provisions and priorities of the Convention and EMEP set in the following documents:
  - a) Revised EMEP Strategy 2010-2019;
  - b) Revised EMEP Monitoring Strategy 2010-2019;
  - c) Long-term Strategy for the Convention on Long-range Transboundary Air Pollution and Action Plan for Its Implementation;
  - d) Bi-annual workplans for the implementation of the Convention;
2. The Task Force for Measurements and Modelling was established in 1999 by decision of Executive Body of LRTAP Convention to offer a forum to the Parties, the EMEP centres and other international organizations for scientific discussions to evaluate methods and tools for the measurements and modelling of air pollution.
3. Within the period of its existence, TFMM has supported CLRTAP State Parties through the following actions:
  - a) accompanied the development of an observational network and modelling tools that are essential for the verification of the actions taken on pollutants emission reduction;
  - b) followed the revision and the implementation of the EMEP monitoring strategy together with CCC;
  - c) improved scientific understanding of the processes that control European air pollution levels through regular intensive measurement campaigns;
  - d) set-up and coordinated benchmarking of EMEP modelling tools by means of model comparison projects and focused case studies, in particular by liaising with MSC-E and MSC-W;
  - e) performed and published a trend analysis of air pollution concentrations and deposition in the EMEP domain over the 20 past years.

### Annex

#### Revised mandate for the Task Force on Measurements and Modelling

1. The Task Force on Measurements and Modelling, under the leadership of France and WMO, and in light with up-to-date scientific and technical developments in the State Parties and beyond will examine the requirements and support the improvement of tools and good practices to monitor the current state and to model past and future changes in pollution levels in the EMEP region.
2. The lead Parties will assume principal responsibility for coordinating the work of the Task Force, including coordination of technical projects, provision of deliverables according to the mandate and workplan, organizing TF meetings and ensuring communication among Parties and other Convention bodies.

3. The Task Force will report on its activities and deliverables to the Steering Body to the Cooperative Programme for Monitoring and Evaluation of the Long-range Transmission of Air Pollutants in Europe (EMEP).
4. The Task Force will be composed of experts nominated by Parties to the Convention and invited experts as well as representatives of the Centres with specific relevance for Measurement and Modelling (CCC, MSC-E and MSC-W). Meetings of the Task Force will be open to designated representatives of intergovernmental or accredited non-governmental organizations. The chair(s) are encouraged to invite individuals with expertise relevant to the work of the Task Force.
5. All reports prepared by the Task Force will reflect the full range of views expressed during its meetings.
6. The functions of the Task Force will be to:
  - a) Plan and conduct its technical work to assist Parties in implementing the Monitoring Strategy for EMEP (2010–2019) and its review beyond this period taking into consideration challenges met at the national level and best practices available in agreement with the EMEP Manual for Sampling and Chemical Analysis;
  - b) Interpret and assess the observations and modelling results related to pollution level, assess its temporal and spatial trends and contribute to the evaluation of the impacts of the implementation of the Convention and its Protocols on European air quality;
  - c) Provide a forum to the Parties and CCC to exchange views, experiences and suggestions on the quality, efficiency and sufficiency of EMEP measurements;
  - d) Provide opportunity to the Parties, MSC-E and MSC-W to discuss performance and the need for improvements in models (EMEP models and those developed by the Parties) and in the scope of their application (such as for national assessments of air quality, assessment of transboundary fluxes and their influence on air quality at national levels, trend analyses, etc.);
  - e) Ensure the coordinated efforts of Parties in organization and conduction of the intensive measurement periods and focused case studies, following data processing, model interpretation and results dissemination;
  - f) Provide support and facilitate involvement of Parties in Eastern Europe, the Caucasus and Central Asia for example with respect to setting up monitoring stations and national programs, case studies, use of models and promoting the tools developed under EMEP during workshops and other dedicated meetings;
  - g) collaborate with CCC, MSC-W, MSC-E, CEIP, TF-EIP, TF-HTAP, TF-IAM, and Working Group on Effects to evaluate the gaps between emission inventories and observations, improve the modelling tools to serve the integrated modelling and effects assessment, ensure the consistency between the regional and hemispheric scale analyses;
  - h) Strengthen linkages with the European Union scientific programmes and infrastructures (like Copernicus or Actris) with a focus on development of common tools and regional assessments; develop joint activities with European and international organisations and conventions (e.g. JRC, EEA, WMO) to ensure synergies between regional and global scales, strengthening national activities,
  - i) Carry out other specific tasks assigned by the EMEP Steering Body and the Executive Body through bi-annual workplans.