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ECONOMIC COMMISSION FOR EUROPE

**EXECUTIVE BODY FOR THE CONVENTION ON LONG-RANGE
TRANSBOUNDARY AIR POLLUTION**

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

Thirty-third session
Geneva, 7–9 September 2009

ANNOTATED PROVISIONAL AGENDA FOR THE THIRTY-THIRD SESSION

To be held at the Palais des Nations, Geneva
starting at 10 a.m. on Monday, 7 September 2009¹

I. PROVISIONAL AGENDA

1. Adoption of the agenda.
2. Adoption of the report on the thirty-second session.
3. Election of officers.
4. Matters arising from recent meetings of the Executive Body and its subsidiary bodies and activities of the Bureau of the Steering Body.

¹ There are accreditation procedures for all delegates attending meetings at the Palais des Nations. Delegates are therefore requested to complete the registration form, which is available from the Convention's website (<http://www.unece.org/env/registration/lrtap.htm>), and to transmit it to the secretariat no later than two weeks before the meeting. On the day of the meeting, delegates should obtain an identification badge from the Pass and Identification Unit at the United Nations Office at Geneva Security and Safety Section at the Pregny Gate (14, Avenue de la Paix). A map is available on the Convention's website (<http://www.unece.org/env/registration/lrtap.htm>).

5. In-depth discussion of activities relevant to the revision of the Gothenburg Protocol:
 - (a) Current status of the GAINS² model;
 - (b) Comparison between the data reported to the Centre on Emission Inventories and Projections and to the Centre on Integrated Assessment Modelling;
 - (c) Robustness of the source-receptor relationships used in the GAINS model;
 - (d) What do we know about the boundary conditions?;
 - (e) Ozone formation: status of knowledge on stomata flux modelling;
 - (f) Particulate matter 2.5 – comparison of modelling and measurements;
 - (g) Particulate matter 2.5 – exposure of the urban population;
 - (h) Conclusions – dealing with uncertainties.
6. Progress in activities in 2009 and future work:
 - (a) Measurements and modelling (acidification, eutrophication, photo-oxidants, heavy metals, particulate matter and persistent organic pollutants);
 - (b) Integrated assessment modelling;
 - (c) Emissions;
 - (d) Hemispheric air pollution.
7. Strategy for the Cooperative Programme for 2010–2019.
8. Cooperation with other organizations and programmes.
9. Outreach and sharing information with other regions.
10. Draft workplan for 2010.
11. Financial and budgetary matters.
12. Other business.
13. Closing of the thirty-third session.

II. ANNOTATIONS TO THE PROVISIONAL AGENDA

Item 1. Adoption of the agenda

Tentative timing: Monday, 7 September, 10 a.m.

Documentation: ECE/EB.AIR/GE.1/2009/1

Item 2. Adoption of the report on the thirty-second session

² Greenhouse Gas and Air Pollution Interactions and Synergies.

Tentative timing: Monday, 7 September, 10.05 a.m.

Documentation: EB.AIR/GE.1/2008/2 (Report of the Steering Body on its thirty-second session)

Item 3. Election of officers

Tentative timing: Monday, 7 September, 10.15 a.m.

Background: At its thirty-second session in 2008, the Steering Body to the Cooperative Programme for Monitoring and Evaluation of the Long-range Transmission of Air Pollutants in Europe (EMEP) elected Ms. S. Vidič (Croatia) as Chair. As Vice-Chairs it re-elected Mr. P. Grennfelt (Sweden) and Ms. M. Wichmann-Fiebig (Germany) and elected Ms. Z. Ferenczi, (Hungary), Mr. J. Macoun (Czech Republic) and Mr. X. Querol (Spain). The Steering Body also agreed that it should invite a representative from the European Commission to attend the meetings of its Bureau.

Expected outcome: The Steering Body is expected to elect its Chair and its Vice-Chairs for the coming year. It may also wish to decide on continuing to allow representation of the European Commission at Bureau meetings.

Item 4. Matters arising from recent meetings of the Executive Body and its subsidiary bodies and activities of the Bureau of the Steering Body

Tentative timing: Monday, 7 September, 10.30 a.m.

Documentation: ECE/EB.AIR/GE.1/2009/12 (Activities of the Bureau of the Steering Body)
ECE/EB.AIR/96 and Adds 1 and 2 (Report of the Executive Body on its twenty-sixth session)

ECE/EB.AIR/WG.5/94 and ECE/EB.AIR/WG.5/96 (Reports of the Working Group on Strategies and Review on its forty-third and forty-fourth sessions)

ECE/EB.AIR/WG.1/2008/2 (Report of the Working Group on Effects on its twenty-seventh session)

Introduction: The secretariat will inform the Steering Body about matters arising from the twenty-sixth session of the Executive Body as well as relevant issues arising from the forty-third, forty-fourth and forty-fifth sessions of the Working Group on Strategies and Review and the twenty-seventh session of the Working Group on Effects. The Chair of the Steering Body will present a summary of the work of the Bureau of the Steering Body between the Steering Body's thirty-second and thirty-third sessions, including cooperation with the Working Group on Effects.

Expected outcome: The Steering Body is expected to discuss and provide guidance for further work on cooperation with other bodies under the Convention and the future activities of the Bureau.

Item 5. In-depth discussion of activities relevant to the revision of the Gothenburg Protocol

Tentative timing: Monday, 7 September, 11.30 a.m. – 6 p.m.

Introduction: The Bureau of the Steering Body, in cooperation with the Chair of the Task Force of Integrated Assessment Modelling, has carried out preparatory work in coordination with the EMEP centres and task forces with a view to presenting and discussing in detail EMEP activities

of relevance to the ongoing work of revising the obligations of the 1999 Protocol to Abate Acidification, Eutrophication and Ground-level Ozone (Gothenburg Protocol). This thematic session will be structured as a workshop with eight presentations from the relevant EMEP centres and task forces (15–20 minutes each), each followed by discussion (10 minutes). The presentations will cover the topics below.

- (a) **Current status of the GAINS model**
A representative of the Centre for Integrated Assessment Modelling (CIAM) will provide an overview of the characteristics of the GAINS model and illustrate some of its policy applications. The presentation will introduce a discussion on the main uncertainties of the model.
- (b) **Comparison between the data reported to the Centre on Emission Inventories and Projections and to Centre for Integrated Modelling Assessment**
Representatives of the Centre on Emission Inventories and Projections (CEIP) will introduce discussions on whether there are significant differences in emission estimates and emission projections reported to CEIP and those used by CIAM.
- (c) **Robustness of the source-receptor relationships used in the GAINS model**
A representative of the Meteorological Synthesizing Centre-West (MSC-W) will present the following issues for discussion: (a) changes made in the EMEP-Eulerian model during the past year; (b) how these changes influence the source-receptor relationships; and (c) whether the EMEP workplan has influenced the source-receptor matrices currently in use.
- (d) **What do we know about the boundary conditions?**
The Co-Chairs of the Task Force on Hemispheric Transport of Air Pollution will introduce the following questions for discussion: What types of future changes can be expected in boundary conditions for European air quality assessments? How effective would global methane reductions be for reduced ozone exposure in the UNECE region?
- (e) **Ozone formation: status of knowledge on stomata flux modelling**
A representative of MSC-W will introduce the following items for discussion: How would the flux approach change the policy advice that can be provided as compared to advice based only on the SOMO35³ indicator? How complete and robust is our knowledge about stomatal fluxes?

³ Sum of exceedances over 35 ppb of the daily maximum of 8-hour means of ozone concentrations, calculated over the entire year.

- (f) **Particulate matter 2.5 – comparison of modelling and measurements**
Representatives of the Chemical Coordinating Centre (CCC) and MSC-W will present the following issues for discussion: To what extent do the models in use reproduce the background particulate matter 2.5 (PM_{2.5}) measurements? What are their main systematic biases and unknowns? What kind of mistakes in policy advice could the models be accountable for?
- (g) **Particulate matter 2.5 – exposure of the urban population**
The Chair of the Task Force on Measurements and Modelling will introduce the discussion on the following questions: What uncertainties and systematic biases could be generated from the way in which the GAINS model currently reflects the exposure of the urban population?
- (e) **Conclusion – dealing with uncertainties**
The Chair of the Task Force on Integrated Assessment and Modelling will chair the concluding session, which will focus on the questions: What can be learned from the uncertainties presented? How can we avoid to systematically underestimate or overestimate exposure?

Expected outcome: The purpose of the session is to allow for an in-depth presentation and discussion of the relevant activities carried out under EMEP by the centres and task forces, with a view to contributing to the ongoing revision of the protocols to the Convention, and in particular to revision of the obligations of the Gothenburg Protocol. The Steering Body is expected to discuss and evaluate the extent to which the model and information used for the revision of the Gothenburg Protocol reflects the current status of scientific knowledge. It will also seek to identify possible systematic biases with a view to informing the Parties to the Gothenburg Protocol represented at the twenty-seventh session of the Executive Body.

Item 6. Progress in activities in 2009 and future work

Tentative timing: Tuesday, 8 September, 10 a.m – 6 p.m.

Introduction: The Steering Body is expected to consider progress in the activities of EMEP and may wish to consider aspects of future work in relation to the draft workplan for 2010 (ECE/EB.AIR/GE.1/2009/13).

- (a) **Measurements and modelling (acidification, eutrophication and photo-oxidants, heavy metals, particulate matter and persistent organic pollutants)**

Tentative timing: Tuesday, 8 September, 10 a.m.

Documentation: ECE/EB.AIR/GE.1/2009/3 (Measurements and modelling)
ECE/EB.AIR/GE.1/2009/15 (Draft revised monitoring strategy)
EMEP Status Report 1/09: Acidification, eutrophication and photo-oxidants
EMEP Status Report 2/09: Heavy metals pollution
EMEP Status Report 3/09: Persistent organic pollutants

EMEP Status Report 4/09: Particulate matter assessment report
ECE/EB.AIR/GE.1/2009/4 (Integrated assessment modelling of baseline scenarios)
ECE/EB.AIR/GE.1/2009/5 (Workshop on non-binding aspirational targets for air pollution for the year 2050)
ECE/EB.AIR/WG.5/2009/12 (Reactive nitrogen)
ECE/EB.AIR/WG.5/2009/16 (Additional proposals for revision of the Gothenburg Protocol)

Introduction: Representatives of the EMEP task forces and centres will report on progress on measurements and modelling activities as outlined below. The four status reports listed above that are relevant for the evaluation of the progress in work in 2009 will be available on the EMEP website (www.emep.int).

(a) The Co-Chairs of the Task Force on Measurements and Modelling will report on progress, including the results of the eighth meeting of the Task Force (Paris, 15–16 June 2009). CCC will present the draft revised monitoring strategy;

(b) MSC-W will give an overview of the activities on monitoring and modelling of acidification, eutrophication and photo-oxidants, including progress made by CCC, CIAM, its own work, discussions within the Task Force on Measurements and Modelling and plans for work up to 2010. It will also provide information on the meeting of the Task Force on Reactive Nitrogen;

(c) Meteorological Synthesizing Centre-East (MSC-E) will present an overview of the activities on monitoring and modelling of heavy metals, progress by CCC, its own work, discussions within the Task Force on Measurements and Modelling and plans for future work;

(d) CCC will present an overview of activities on atmospheric monitoring and modelling of PM, including made with respect to work at MSC-W and CIAM, its own work, the results of the Task Force on Measurements and Modelling and plans for work up to 2010;

(e) MSC-E will present an overview of activities on monitoring and modelling persistent organic pollutants, including made with respect to work at CCC, its own work, the results of the Task Force on Measurements and Modelling and plans for future work.

Expected outcome: The Steering Body is expected: (a) to approve the executive summaries of the Status reports and decide to present them to the Executive Body; (b) to discuss the status of implementation of the monitoring strategy and to provide further guidance for its revision; (c) to discuss progress made with respect to cooperation with national experts and provide guidance on means for its improvement; (d) to discuss progress made in modelling and monitoring activities in 2009 in all the above areas of work and to provide guidance on the further development of this work; and (e) to provide guidance on the further development of the measurement and modelling work, taking into account the needs for the revision of the Protocols to the Convention, in particular the Gothenburg Protocol.

(b) Integrated assessment modelling

Tentative timing: Tuesday, 8 September, 12 noon

Documentation: ECE/EB.AIR/GE.1/2009/4 (Integrated assessment modelling of baseline scenarios)
ECE/EB.AIR/GE.1/2009/5 (Workshop on non-binding aspirational targets for air pollution for the year 2050)
ECE/EB.AIR/WG.5/2009/12 (Reactive nitrogen)
ECE/EB.AIR/WG.5/2009/16 (Additional proposals for revision of the Gothenburg Protocol)

Introduction: The Chair of the Task Force on Integrated Assessment Modelling will report on progress made, including the results of meetings and workshops of the Task Force (Bilthoven, the Netherlands, 8–10 June 2009), and the conclusions of the workshop on integrated assessment modeling (Utrecht, the Netherlands 5–6 March 2009). CIAM will report on progress made, including the status of baseline projection.

Expected outcome: The Steering Body is expected to discuss which energy and activity data to calculate emissions in integrated assessment modeling will be included in the baseline projection.

(c) Emissions

Tentative timing: Tuesday, 8 September, 3 p.m.

Documentation: ECE/EB.AIR/GE.1/2009/6 (Emission inventories and projections)
ECE/EB.AIR/GE.1/2009/7 (Present state of emission data)
ECE/EB.AIR/GE.1/2009/8 (Stage 3 in-depth reviews of emission inventories)
EMEP/CEIP Data Report, emission data reported to the UNECE/EMEP: status as of 2009

Introduction: The Chair of the Task Force on Emission Inventories and Projections will report on progress made, including the results of the Task Force's twenty-first and twenty-second meetings (Milan, Italy, 10–11 November 2008 and Vienna, 11–12 May 2009, respectively), and will present progress made with respect to the updating of the *EMEP/EEA Air Pollutant Emission Inventory Guidebook* as well as elements for the draft of its maintenance and improvement plan. It will report on progress in the inventory improvement programme, in particular as regards the stage 3 in-depth reviews of the emission inventories. CEIP will inform the Steering Body about the status of emissions data reporting, its own work and the work of CIAM on data quality. Furthermore, as requested by the Bureau of the Executive Body, CEIP will present a proposed schedule for Parties to be reviewed in-depth in the next three to five years (2010–2013/2015).

Expected outcome: The Steering Body is expected: (a) to review the information on the updating of the *Emission Inventory Guidebook* and to approve, as appropriate, the revised *Guidebook* for use in the reporting of emissions and recommend it to the Executive Body for endorsement; (b) to evaluate and provide guidance on the draft maintenance and improvement plan of the *Guidebook*; (c) to consider proposals on the stage 3 in-depth reviews of the emission inventories

and recommend these to the Executive Body for approval at the latter's twenty-seventh session in December 2009;

(d) Hemispheric air pollution

Tentative timing: Tuesday, 8 September, 5 p.m.

Documentation: ECE/EB.AIR/GE.1/2009/11 (Hemispheric transport of air pollution)

Introduction: The Co-Chairs of the Task Force on Hemispheric Transport of Air Pollution will report on: (a) the results of its fifth meeting (Paris, 19 June 2009); (b) the results of the joint workshop with Task Force on Measurements and Modelling on linkages between regional and global modelling and between air quality and climate (Paris, 17–19 June 2009); and (c) progress in the preparation of the 2010 assessment report.

Expected outcome: The Steering Body is expected to discuss and approve the main findings of the Task Force and to provide guidance for finalizing the assessment report.

Item 6. Strategy for the Cooperative Programme for 2010–2019

Tentative timing: Wednesday, 9 September, 10 a.m.

Documentation: ECE/EB.AIR/GE.1/2009/10 (Draft Strategy for the Cooperative Programme for 2010–2019)

Introduction: A member of the Steering Body Bureau will present the draft Strategy for the Cooperative Programme for 2010–2019, taking into account the feedback of the Bureau. The Chair will explain how the proposed Strategy for EMEP relates to the Long-term Strategy for the Convention and to the Long-term Strategy of the Working Group on Effects.

Expected outcome: The Steering Body is expected to discuss and adopt a new Strategy for the Cooperative Programme for 2010 – 2019 and to recommend its approval by the Executive Body at its twenty-seventh session in December 2009. The Steering Body should take account of its assessment of the implementation of the previous Strategy's goals, and should consider possible changes in the policy and scientific issues, goals, driving forces and challenges, as well as the strategic framework being currently worked on under the Convention.

Item 7. Cooperation with other organizations and programmes

Tentative timing: Wednesday, 9 September, 11.30 a.m.

Documentation: ECE/EB.AIR/GE.1/2009/12 (Activities of the Steering Body Bureau)
Informal documents from organizations and programmes

Introduction: The organizations and programmes represented at the session will be invited to present briefly their work and their cooperation with EMEP.

Expected outcome: The Steering Body is expected to take note of the information and decide on further cooperation.

Item 8. Outreach and sharing information with other regions

Tentative timing: Wednesday, 9 September, 12 noon

Introduction: The secretariat will draw attention to the decision taken at the Executive Body's twenty-fifth session encouraging subsidiary bodies to share their experience and information with other regions.

Expected outcome: Centres and subsidiary bodies are expected to draw attention to relevant current activities and to suggest opportunities for developing further outreach links in the future.

Item 9. Draft workplan for 2010

Tentative timing: Wednesday, 9 September, 3 p.m.

Documentation: ECE/EB.AIR/GE.1/2009/13 (Draft workplan for 2010)

Introduction: The Chair will introduce the draft workplan for 2010.

Expected outcome: Taking into account the presentations and discussions under agenda items 4 to 8, the Steering Body is expected to agree upon the draft workplan for 2010, which will be presented to the Executive Body for adoption.

Item 10. Financial and budgetary matters

Tentative timing: Wednesday, 9 September, 4 p.m.

Documentation: ECE/EB.AIR/GE.1/2009/14 (Financial and budgetary matters)

ECE/EB.AIR/GE.1/2009/12 (Activities of the Bureau of the Steering Body)

Introduction: The secretariat will introduce the note and report on any updates regarding the payment of mandatory contributions to EMEP in 2009.

Expected outcome: The Steering Body is expected, inter alia, to adopt the detailed budget for 2010 and the list of mandatory contributions for 2010, and to submit these for approval by the Executive Body.

Item 11. Other business

Tentative timing: Wednesday, 9 September, 5.15 p.m.

Background: At the time of writing, the secretariat had no points to propose under this agenda item.

Item 12. Closing of the thirty-third session

Tentative timing: Wednesday, 9 September, 5.30 p.m.

Documentation: Informal outline of the report of the session

Introduction: The secretariat will present an outline of the report with the main decisions.

Expected outcome: The Steering Body is expected to give directions to the secretariat for finalizing the report.
