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Transboundary Air Pollution

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

Thirty-fifth session
Geneva, 5–7 September 2011

Report of the Steering Body to the Cooperative Programme for Monitoring and Evaluation of the Long-range Transmission of Air Pollutants in Europe on its thirty-fifth session

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I. Introduction

1. 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) held its thirty-fifth session from 5 to 7 September 2011 in Geneva.

A. Attendance

2. The session was attended by representatives from the following Parties to the Convention: Armenia, Austria, Azerbaijan, Belarus, Croatia, Cyprus, Czech Republic, Denmark, European Union, Finland, France, Germany, Hungary, Kyrgyzstan, Netherlands, Norway, Poland, Republic of Moldova, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, the former Yugoslav Republic of Macedonia, Ukraine, United Kingdom of Great Britain and Northern Ireland and United States of America.

3. Representatives of the World Meteorological Organization (WMO), the United Nations Environment Programme (UNEP), the Chemical Coordinating Centre (CCC), the Centre on Emission Inventories and Projections (CEIP), the Meteorological Synthesizing Centre-East (MSC-East), the Meteorological Synthesizing Centre-West (MSC-West), the Union of the Electricity Industry (EURELECTRIC) and the European Environment Agency (EEA), were also represented.

B. Organizational matters

4. The Steering Body adopted its provisional agenda as contained in document ECE/EB.AIR/GE.1/2011/1.

5. The Steering Body considered and adopted the report of its thirty-fourth session as set out in document ECE/EB.AIR/GE.1/2010/2.

6. Following elections, Ms. Sonja Vidič (Croatia) was re-elected as Chair, and Mr. Peringe Grennfelt (Sweden), Mr. Yrjö Viisanen (Finland), Mr. Jan Macoun (Czech Republic), Mr. Xavier Querol (Spain), Mr. Paul Ruysenaars (Netherlands) and Mr. Savvas Kleanthous (Cyprus) were re-elected as Vice-Chairs, for three-year terms of office.¹

7. The Steering Group agreed to continue allowing representation of the European Commission, as an observer, at the meetings of the Bureau.

¹ Following the rules of procedure adopted by the Executive Body for the Convention at its twenty-eighth session (decision 2010/19), which apply also to the EMEP Steering Body (para. 2), chairs and vice-chairs are elected for a two-year term of office and are eligible for re-election, but may not serve more than two consecutive terms unless the Executive Body decides otherwise. Exceptionally, the first term of office for the first vice-chairs elected under the rules (i.e. the present Vice-Chairs) is three years.

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

8. The secretariat presented the main outcomes of the twenty-eighth session of the Executive Body for the Convention that were of relevance for the EMEP Programme, including decisions related to the revisions of the Gothenburg Protocol to Abate Acidification, Eutrophication and Ground-level Ozone (Gothenburg Protocol) and the Heavy Metals Protocol. The secretariat also reported on the relevant conclusions of the Working Group on Strategies and Review from its forty-eighth session. The Chair of the Working Group on Effects informed the Steering Body about the recent work of that body.

9. The Chair of the Steering Body then presented a brief summary of the work of the Bureau of the Steering Body between the Steering Body's thirty-fourth and thirty-fifth sessions, highlighting the cooperation with the Working Group on Effects.

10. The Steering Body took note of the foregoing oral presentations.

III. In-depth discussion of activities relevant to both the Working Group on Effects and the Cooperative Programme for Monitoring and Evaluation of the Long-range Transmission of Air Pollutants in Europe

11. The purpose of the technical workshop held during the session was to allow for an in-depth presentation and discussion of activities relevant to both the EMEP Steering Body and the Working Group on Effects. Eight presentations (see annex) were provided by representatives of the two subsidiary bodies, covering issues of common interest, such as generation and exchange of data and their application, current and future needs and ways to meet them. In addition to highlighting the extent of existing collaboration, challenges and gaps in the current collaboration were identified. Each presentation was followed by a discussion with a focus on common issues relevant to both the Working Group on Effects and EMEP, bearing in mind the relevance of effects-based research (both monitoring and modelling) for the implementation of the long-term strategy of the Convention.

12. The Steering Body requested the Working Group to provide further evidence on the impacts of air pollution on policy-relevant indicators (i.e., express impacts in terms relevant to policy) and clearly demonstrate and communicate why added costs for improvement of air quality beyond the baseline scenario were justified (either in monetary terms, if feasible, or in terms of quality of the environment and human well-being);

13. Following a discussion on the topics presented, the Steering Body found that both groups should aim at organizing joint workshops and producing joint reports on issues of common interest. Joint reports should be aimed at policymakers inside and outside of the Convention. The Steering Body also noted that the regular participation of chairs of the Steering Body and the Working Group in the Bureau meetings and annual sessions of the two respective bodies was important to maintain the continuity, openness and responsiveness of both bodies to mutual needs and the development of new ideas.

IV. Progress in activities in 2011 and future work

14. The Chair invited the Steering Body to separately discuss each area of work, considering progress made in 2011 with respect to the Convention's workplan and taking

into account the draft 2012–2013 workplan for the implementation of the Convention (ECE/EB.AIR/GE.1/2011/10–ECE/EB.AIR/2011/5).

15. The Steering Body noted that all the status reports relevant for the evaluation of progress in implementation of the workplan for 2011 had been prepared by the EMEP centres on time and were all available on the EMEP website (<http://www.emep.int>).

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

16. The Chair of the Task Force on Measurements and Modelling (France) reported on progress, including the results of the eleventh meeting of the Task Force (Dübendorf, Switzerland, 13–14 May 2011). The Task Force had discussed the implementation of the monitoring strategy, links and complementarity with measurements and measurement methods referred to in European Union Air Quality Directives 2008/50/EC² and 2004/107/EC,³ as well as the monitoring of short-lived climate forcers.

17. In particular, the Task Force discussed the needs for EMEP model developments in order to allow their implementation on finer grid scales, including finer vertical resolution of the chemical models and the need for continuing and strengthened cooperation with parties interested in implementation of EMEP models on national scales. It concluded that the change of model projection from polar stereographic to a latitude-longitude map projection would require significant adjustments and solid justification.

18. The Task Force acknowledged the outstanding results of MSC-E, in cooperation with national expert teams participating in the pilot studies of modelling of heavy metals, outlining that those studies also demonstrated the importance of using models on finer grid scales, but also stressed that equal importance should be given to other background meteorological and emission data. MSC-E was encouraged to continue that country-oriented work, since it proved to be beneficial not only from the country perspective but also from the perspective of general knowledge and understanding.

19. At the request of the Task Force, CCC had prepared a note on compatibility of EMEP methods/measurements with requirements of the Air Quality Directives (see information document No. 6). That was done with a view to informing the process of revision of the Air Quality Directives started in June 2011 — a process in which the Convention was a stakeholder.

20. The Task Force Chair also highlighted the continuous need for improving communication and interaction with other groups and projects in order to communicate key messages to policy and decision makers. The next intensive observation field campaign was scheduled for summer 2012 and spring 2013, and it was of great importance that data gathered should be made available to the EMEP community.

21. A representative of MSC-W gave an overview of the activities on monitoring and modelling of acidification, eutrophication and photo-oxidants, including progress made with respect to work at CCC and CIAM, its own work, discussions within the Task Force on Measurements and Modelling and plans for work in 2012–2013.

² Directive 2008/50/EC of the European Parliament and of the Council of 21 May 2008 on ambient air quality and cleaner air for Europe.

³ Directive 2004/107/EC of the European Parliament and of the Council of 15 December 2004 relating to arsenic, cadmium, mercury, nickel and polycyclic aromatic hydrocarbons in ambient air.

22. A representative of MSC-E presented an overview of the activities on monitoring and modelling of heavy metals, including progress made with respect to work at CCC, its own work, discussions within the Task Force on Measurements and Modelling and plans for future work in 2012–2013; MSC-E also provided information on the progress of the test case study on heavy metals covering Croatia, the Czech Republic, Italy, the Netherlands, Slovakia and Spain.

23. A representative of CCC presented an overview of activities on atmospheric monitoring and modelling of particulate matter, including progress 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 in 2012–2013. Attention was drawn to extensive field measurement campaigns and the progress in implementation of the EMEP monitoring strategy. He also commented on the request from EEA for access to EMEP monitoring data for the purposes of Global Monitoring for Environment and Security services.

24. A representative of MSC-E presented an overview of activities on monitoring and modelling of persistent organic pollutants, including progress 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 in 2012–2013.

25. MSC-W, MSC-E, CEIP and CIAM, as well as Chairs of the Task Force on Measurements and Modelling and the Task Force on Emission Inventories and Projections, were supportive of the proposition to change the current polar-stereographic to latitude-longitude map projections. They stressed that there were considerable benefits to be gained from that changeover, due to scientific developments in modelling, and in particular linkage with climate modelling, and that there were no obstacles to introducing that change into EMEP modelling.

26. Following the discussion on the new gridding system using a finer grid scale, it was recognized that reporting of emissions represented an obstacle, since many parties still did not report gridded data. On the other hand, the Chair of the Task Force on Emission Inventories and Projections explained that many parties demonstrated that they were ready to provide emission data in a finer scale, and that they were using them at national level. He also stressed that gridding should not be a problem and could be very flexible once the underlining data that were used for the construction of emission inventories were prepared, and countries had to have them in order to make their inventories anyway. Even with simple data (for instance, on the population density) it was possible to make relatively good spatial distribution of emission data.

27. The Steering Body:

(a) Took note of the reports by the Task Force on Measurements and Modelling as well as the status reports by MSC-W, MSC-E and CCC;

(b) Approved the executive summaries of the status reports and decided to present the summaries to the Executive Body;

(c) Approved the idea of new developments in gridding and map projection, but requested elaboration and explanation to be prepared in a written form, and discussed further in the emissions and measurements and modelling Task Forces;

(d) Requested MSC-W, MSC-E, CCC, CEIP and CIAM to elaborate a note on the needs and options for modifications of the EMEP grid projection and grid domain, with a transfer to geographical coordinates, and for an increase of the grid resolution, and to provide the relevant rationale; MSC-W would take the lead in elaboration of the note and would present the draft at the meeting of the EMEP Steering Body Bureau in March 2012;

(e) Agreed to support the exchange of EMEP monitoring data for the purposes of Global Monitoring for Environment and Security services.

B. Integrated assessment modelling

28. The Chair of the Task Force on Integrated Assessment Modelling presented progress in the work of the Task force and CIAM, and provided information on the current input to the ongoing revision of the Gothenburg Protocol, making reference to the outcome of forty-eighth session of the Working Group on Strategies and Review. He also drew attention to the economic aspects of abatement strategies and linkages between air pollution and climate change, and presented examples of such linkages in integrated assessment modelling and plans for further work of the Task Force and CIAM.

29. The Steering Body:

(a) Acknowledged the work carried out by CIAM and the Task Force on Integrated Assessment Modelling and the progress made in relation to the revision of the Gothenburg Protocol, and supported the continuation of that work in 2012;

(b) Welcomed the initiative of the Task Force on Integrated Assessment Modelling and CIAM to cooperate closely with the Network of Experts on Benefits and Economic Issues.

C. Emissions

30. The Chair of the Task Force on Emission Inventories and Projections reported on progress made, including the results of the Task Force's twenty-fourth meeting (Stockholm, 2–3 May 2011). All tasks planned for 2011 had been completed, including the report on flexibility mechanisms with respect to requirements in relation to the revision of the Gothenburg Protocol. The special session of the Task Force meeting had been dedicated to the topic of emission gridding, and much advice, including many useful methods, had been provided to Parties. In addition, the discussion related to the finer grid scale showed that many Parties already had their inventories structured to fulfil the requirement for the finer grid scale, and that one of the prerequisites for that was the collection of underlying data that made fine scale calculations possible. Therefore, in general, from the point of view of emission inventory compilers, the change to a finer grid should not be too difficult, but it would require some adjustment period for Parties.

31. A representative of CEIP informed the Steering Body about the status of emissions data reporting and its own work, in particular with regard to the stage-3 in-depth reviews of the emission inventories. There were some difficulties with Parties that still did not report on time, and with some that were not reporting Informative Inventory Reports, which made it difficult to launch the stage-3 review of those Parties. For that reason, it was suggested that the third stage review for Kyrgyzstan and Kazakhstan be rescheduled for 2013, and that Montenegro and Serbia be invited to take part in the stage-3 review instead. In addition, the Steering Body should urge Parties to send their data on large point sources according to the guidelines, since those data were very important for the gridding and preparation of emission data for modellers.

32. The Steering Body:

(a) Acknowledged the work carried out by the Task Force on Emission Inventories and Projections and the progress made, and supported the continuation of that work in 2012–2013;

(b) Noted the gaps and inconsistencies in submitted national inventories for the Convention, acknowledged the work of CEIP to address those issues to improve the quality of the emission data, and invited Parties that still had not reported their emission data in agreed formats/tables to do so; noted that some Parties still had not reported data for large point sources, and requested the secretariat to send letters to those Parties to remind them about their obligations;

(c) At the request of CEIP, approved the list of Parties scheduled for stage-3 review in 2012 (tentatively planned for 25–29 June), namely, Albania, Georgia, the EU, Liechtenstein, Malta, Monaco, Montenegro, the Republic of Moldova, Serbia and Turkey;

(d) Noted that Kyrgyzstan and Kazakhstan were scheduled for the review in 2012, but until now had not submitted their Informative Inventory Reports or emission data; therefore their review was postponed until 2013;

(e) Invited Parties scheduled for an in-depth review in 2012 to submit their Informative Inventory Reports in order to enable the reviews to take place, and requested the secretariat to send letters to those Parties to remind them about that obligation;

(f) Further encouraged Parties to nominate experts to the United Nations Economic Commission for Europe roster of reviewers and lead reviewers, and to support their participation in the scheduled reviews;

(g) As a major review of the *EMEP/EEA Air Pollutant Emission Inventory Guidebook* was scheduled for 2012, Parties were invited to contribute to the work by making their national experts available for the review as a contribution in-kind for the Task Force on Emission Inventories and Projections.

D. Hemispheric transport of air pollution

33. A representative of the Task Force on Hemispheric Transport of Air Pollution informed the Steering Body about the proposed plan for future work of the Task Force and invited experts from the EMEP and Working Group on Effects Centres and task forces, and other relevant bodies outside the Convention (the Arctic Monitoring and Assessment Programme (AMAP), UNEP) to assist the Task Force in the detailed planning of its future work.

34. The Steering Body:

(a) Acknowledged the work carried out by the Task Force on Hemispheric Transport of Air Pollution and supported the continuation of that work in 2012–2013;

(b) Supported the proposed plan for future work of the Task Force as presented by the co-Chairs;

(c) Encouraged the co-Chairs of the Task Force to invite participation of experts from the EMEP and WGE centres and task forces, and other relevant bodies outside the Convention (AMAP, UNEP) in the detailed planning of the future work;

(d) Requested the secretariat to investigate the possibility of an agreement on cooperation between EMEP and AMAP.

E. Revision of the draft strategy for the Cooperative Programme for Monitoring and Evaluation of the Long-range Transmission of Air Pollutants in Europe 2010–2019

35. The Chair informed the Steering Body that the Bureau at its last session had decided to form a working group to analyse the current text of the draft strategy for EMEP 2010–2019 (ECE/EB.AIR/2009/16). The working body was mandated to suggest adjustments to the EMEP strategy in view of the adoption of the long-term strategy of the Convention by the Executive Body at its twenty-eighth session. The Steering Body considered the suggestions presented by the working group, and agreed on amendments to its draft strategy.

36. The Steering Body reviewed the draft strategy for EMEP 2010–2019, and agreed to recommend to the Executive Body to approve the document with the following amendments:

- (a) Paragraph 9, first line: insert “and elsewhere” after the European Union;
- (b) Replace subparagraph 9 (a) with the following text:
The revision of the EU Thematic Strategy for Air Pollution (including the Air Quality Directive and the National Emission Ceiling Directive);
- (c) Delete subparagraph 9 (c);
- (d) Add a new subparagraph 9 (e):
Activities related to short-lived climate forcers (SLCFs), in particular black carbon (BC) and tropospheric ozone, where activities are organized under the Arctic Council/Arctic Monitoring and Assessment Programme and UNEP;
- (e) Add new subparagraph 26 (b):

Determine concentrations of elemental carbon (as a chemical component of PM) and black carbon⁶ (as a light absorbing component of PM) and tropospheric ozone precursors, including methane and carbon monoxide, quantify the impact of these substances, and identify measures to facilitate further air quality improvements, significant public health benefits, and regional climate benefits that could be achieved by protecting the Arctic and glaciated mountainous regions from melting;

and add footnote 6:

At the moment there is no clear definition accepted by the scientific community. Operationally, BC is defined as aerosol species based on measurements at light absorption and chemical reactivity and/or thermal stability. The measurement methods for BC observations will be addressed by Scientific Advisory Group for Aerosols of the Global Atmosphere Watch Programme and will be made available to the scientific community.;

- (f) Add a new subparagraph 26 (d):
Quantify and minimize emission uncertainty for hexachlorobenzene, polycyclic aromatic hydrocarbons and polychlorinated dibenzo-p-dioxins and dibenzofurans, and in the longer term for new POP-like substances;
- (g) Add a new subparagraph 27 (f):
Atmospheric pollutants as SLCFs. Calculation of the climate-forcing impact of inorganic and organic components in aerosols, BC and tropospheric ozone precursors including methane and carbon monoxide both for the EMEP domain and

the global scale. There is a growing interest in the role of SLCFs and the option for short-term climate change mitigation they offer. EMEP has the tools to assess the importance of these compounds and their mitigation options as part of general air pollution strategies.;

(h) Replace paragraphs 32 and 33 with the following text and equation:

EMEP in collaboration with the Working Group on Effects provides technical support to the Working Group on Strategies and Review on how to achieve environmental targets in a cost effective way (denoted as “max (∂Effect / ∂€)” below).

$$\max \left[\frac{\partial \text{Effect}}{\partial \epsilon} \right]_{\text{CIAM}} = \max \left[\left[\frac{\partial \text{Effect}}{\partial (\text{DEPOSITION CONCENTRATION AND FORCING})} \right]_{\text{WGE}} \times \left[\frac{\partial (\text{DEPOSITION CONCENTRATION AND FORCING})}{\partial E_{\text{emissions}}} \right]_{\text{MSCE, CCC, MSCW, CEIP}} \times \left[\frac{\partial E_{\text{emissions}}}{\partial \epsilon} \right]_{\text{CIAM}} \right]$$

(i) Replace paragraph 35 with the following text:

Interactions with EU policy and research programmes remain of high importance and of mutual benefit. EMEP, for example, benefits from European Commission research projects and from well established cooperation with the European Environment Agency and European Union Joint Research Centre (JRC). In addition, revision, development and implementation of EU air legislation is supported by the knowledge and tools developed in EMEP.;

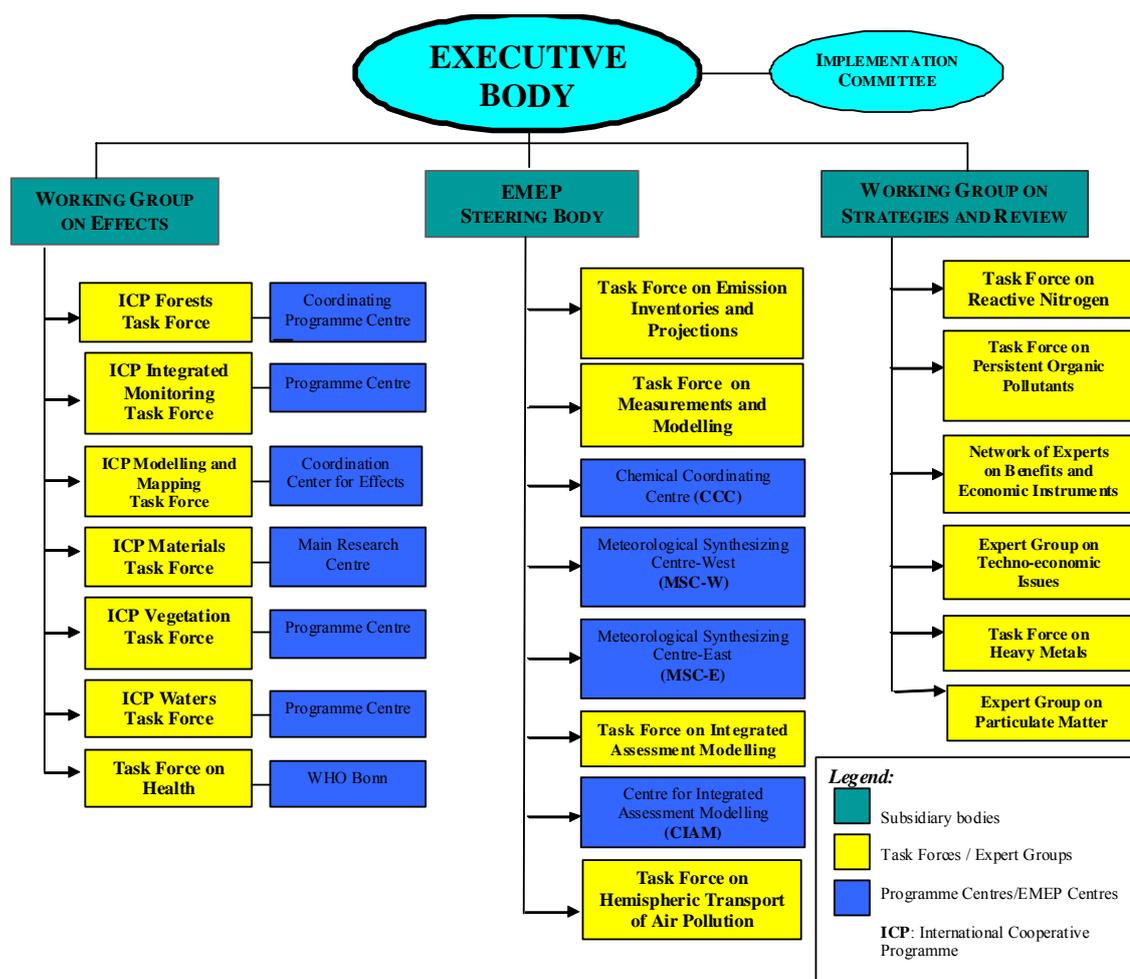
(j) Replace subparagraph 38 (e) with the following text:

To carry out the work with WMO-Global Atmosphere Watch in its implementation of a common approach to issues related to air pollution, its long-range transmission and the interaction with climate change.;

(k) At the end of subparagraph 38 (c) add the following text:

Link to the Global Atmospheric Pollution Forum on relevant issues;

(l) Following paragraph 42, replace the picture with the following one:



(m) Replace paragraph 44 with the following text:

The role of EMEP, the Working Group on Effects and the policymaking segment of the Convention represented by the Working Group on Strategies and Review should be interpreted to ensure that EMEP, in collaboration with the Working Group on Effects, provides technical support to the Working Group on Strategies and Review with respect to how to achieve environmental targets in a cost-effective way.

V. Cooperation with other organizations and programmes

37. The representatives of WMO, UNEP, JRC and EEA presented their work and highlighted a number of activities of relevance for EMEP, as well as those made in cooperation with EMEP in areas of common interest like the emission work, measurements of air pollutants and modelling activities.

38. The Steering Body:

(a) Took note of the information presented by WMO, UNEP, JRC and EEA and welcomed the useful cooperation;

(b) Expressed its gratitude for the contributions made to EMEP and the Convention and stressed the benefits and importance of continued cooperation.

VI. Outreach and sharing information with other regions

39. The secretariat presented information about recent activities of the United Nations Economic and Social Commission for Asia and the Pacific's Subregional Office for East and North-East Asia (SRO-ENEA) related to air pollution. On 1 and 2 September 2011, the Sixteenth Senior Officials Meeting of the North-East Asian Subregional Programme of Environmental Cooperation had approved a project proposal submitted by the Russian Federation, "Review of Existing and Required Capacities for Addressing Adverse Environmental Impact of Transboundary Air Pollution in North-East Asia". The project — scheduled for a duration of approximately one year — was of direct relevance for EMEP and the Working Group on Effects. The secretariat had helped to finalize the project proposal by providing suggestions for modifications to the draft proposal presented during the Expert Consultation meeting held on 20 and 21 January 2011 in Incheon, Republic of Korea.

VII. Draft 2012–2013 workplan for the implementation of the Convention

40. The Chair introduced the draft 2012–2013 workplan for the implementation of the Convention related to EMEP, in particular section 2, which had been prepared by the secretariat on the basis of the priorities of the Executive Body reflected in recent workplans, as well as the input by the EMEP task forces and centres.

41. The Steering Body considered the draft 2012–2013 workplan for the implementation of the Convention, and agreed to recommend to the Executive Body to approve it with the following amendments:

(a) Activities area 2.1, under *Main activities by the Centre on Emission Inventories and Projections, Ongoing activities*, at the end of subparagraph (e) replace the date 30 March with 31 March;

(b) Activities area 2.1, under *Main activities by the EMEP Centre on Emission Inventories and Projections, Meteorological Synthesizing Centre-East (MSC-E) and Meteorological Synthesizing Centre-West (MSC-W), New activities*, replace "start" in the first line with "continue exploring the possibility of" and replace: "data reported in 2012" in the second line with "data reporting";

(c) Activities area 2.2, under *Main activities by the Task Force on Measurements and Modelling, Ongoing activities*, in the first line, after "by CCC", add ", MSC-E and MSC-W";

(d) Activities area 2.2, under *Main activities by the Chemical Coordinating Centre, Ongoing activities*, add a new subparagraph (h):

Participate as far as possible in the discussions that are held at the European Commission level within the future revision process of the Air Quality Directive to ensure further harmonization of measured parameters and measurement techniques between the EMEP Monitoring strategy and the EU Directive monitoring requirements;

(e) Activities area 2.2, under *Main activities by the Chemical Coordinating Centre, New activities*, subparagraph (e), line 2, replace “to the new parameters” with “to parameters”;

(f) Activities area 2.2, under *Main activities by the Chemical Coordinating Centre, New activities*, add new subparagraphs (g) and (h):

(g) Actively engage with the AQUILA network of National Reference Laboratories for air pollution set up by the European Commission, in order to foster a harmonized monitoring approach between the Convention and the EU air policies;

(h) Exchange EMEP monitoring data with the European Environment Agency for the purposes of GMES services.;

(g) Activities area 2.4, under *New activities*, subparagraph (c), line 2, replace “mid-2012” with “mid-2013”.

VIII. Financial and budgetary matters

42. The secretariat introduced the note on financial and budgetary matters (ECE/EB.AIR/GE.1/2011/9), informing the Steering Body of the current status of contributions that had been made up to 1 August 2011. The note also presented the budget proposal for 2012 and 2013, prepared on the basis of the decisions of the Bureau.

43. The secretariat drew attention to the fact that the scale of contributions presented in table 5 of the note had been calculated on the basis of the 2010 United Nations scale of assessments — adopted by the General Assembly in December 2009 — and accounted for the accession to the EMEP Protocol by the former Yugoslav Republic of Macedonia in March 2010. The secretariat presented a revised 2012 scale of contributions based on the 2010 United Nations scale of assessments.

44. The representative of Ukraine made a short presentation on its work with respect to its in-kind contributions related to the establishment of the EMEP station for background monitoring.

45. The Steering Body:

(a) Took note of the status of contributions to the financing of EMEP provided in document ECE/EB.AIR/GE.1/2011/9 and the additional information provided by the secretariat during the session;

(b) Approved the use of resources by the EMEP centres in 2010, as presented in table 2 of that document;

(c) Agreed on the detailed budget for 2012 set out in table 3 of the document, the preliminary budget for 2013 set out in table 4, and the schedule of mandatory contributions from Parties for 2012 as set out in the last column of table 5;

(d) Agreed to keep the total budget for 2012 of CEIP and CIAM at \$220,000 and \$155,000, respectively, and the provisional budgets for 2013 at the same level;

(e) Recommended that the Executive Body adopt the 2012 and preliminary 2013 budgets and the 2012 schedule of contributions;

(f) Called upon the Parties to the EMEP Protocol to consider making voluntary contributions (in kind or in cash through the trust fund) to ensure that the work, especially the difficult tasks required in 2012 for carrying out the protocol revisions, including the work on integrated assessment modelling, could be accomplished as foreseen in the workplan;

(g) Invited all Parties that had not yet paid their contributions for 2011 to do so as soon as possible;

(h) Urged Ukraine to proceed with the establishment of the EMEP station for background monitoring, in close cooperation with CCC, as an in-kind contribution to cover the second part of its arrears to EMEP, equivalent to \$175,205; and that Ukraine provide CCC with the contact details of an English-speaking focal point to facilitate further cooperation.

IX. Closing of the thirty-fifth session

46. The Steering Body agreed on the main decisions taken during the session.

47. It was agreed to hold the thirty-sixth session of the EMEP Steering Body from 17 to 19 September 2012 in Geneva. The meeting of the extended Bureau was tentatively scheduled to be held from 14 to 16 March 2012.

Annex

List of presentations made during the in-depth discussion of activities relevant to both the Working Group on Effects and the Cooperative Programme for Monitoring and Evaluation of the Long-range Transmission of Air Pollutants in Europe

1. *Impacts of air pollution on ecosystems, human health and materials under different Gothenburg Protocol scenarios: a LRTAP⁴ data flow* delivered by Ms. Anne-Christine Le Gall.
2. *An outlook to future air quality in Europe: Priorities for EMEP and WGE⁵ from an Integrated Assessment perspective* by Mr. Markus Amann.
3. *From the perspective of the Task Force on Integrated Assessment Modelling* by Mr. Rob Maas.
4. *Quantifying the threat from ozone pollution to food security: ICP⁶ Vegetation-EMEP collaboration* by Ms. Gina Mills.
5. *Use of EMEP results in ICP M&M⁷ assessments for the support of the GP⁸-revision* by Ms. Jean-Paul Hettelingh.
6. *ICP waters: use of data from EMEP and some results* by Ms. Brit Lisa Skjelkvåle.
7. *In an ideal world ... (a wish-list?)* by Mr. Max Posh.
8. *Cooperation between EMEP/MS-C-E and WGE, Future Directions* by Mr. Oleg Travnikov.

⁴ Long-range transboundary air pollution.

⁵ Working Group on Effects.

⁶ International Cooperative Programme.

⁷ Measurements and modelling.

⁸ Gothenburg Protocol.