



**Economic and Social  
Council**

Distr.  
GENERAL

ECE/EB.AIR/2008/1  
6 October 2008

Original: ENGLISH

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**ECONOMIC COMMISSION FOR EUROPE**

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

Twenty-sixth session  
Geneva, 15–18 December 2008  
Item 5 of the provisional agenda

**PROGRESS IN CORE ACTIVITIES**

Note by the secretariat

1. This note has been prepared to assist the Executive Body in its review and assessment of progress made in the following areas of cooperation within the scope of the Convention:

(a) The Cooperative Programme for Monitoring and Evaluation of the Long-range Transmission of Air Pollutants in Europe (EMEP), encompassing the two core activities:

(i) atmospheric monitoring and modelling; and (ii) integrated assessment;

(b) The effects of major air pollutants on human health and the environment, the third core activity identified by the Executive Body.

2. This note provides the basis for, and lists, recommendations to the Executive Body as required under article 10, paragraph 2 (b) of the Convention, as well as reviewing implementation as required under article 10, paragraph 2 (a).

3. Progress in cooperation should be evaluated in relation to the 2008 workplan for the implementation of the Convention, as adopted by the Executive Body at its twenty-fifth session (ECE/EB.AIR/91/Add.2).

4. At its twenty-fifth session, the Executive Body took note of the updated workplan for the further development of the effects-oriented activities (EB.AIR/WG.1/2007/4/Rev.1), as amended in the twenty-sixth session of the Working Group on Effects, and invited the Working Group on Effects and the EMEP Steering Body to continue their close cooperation in implementing the priority tasks of the Convention (ECE/EB.AIR/91, paras. 27 (i) and 32 (f)).

5. A number of Parties have contributed significantly to the core activities by leading task forces, hosting coordinating centres, organizing workshops and seminars, and designating experts to assist the secretariat in the preparation of draft documents for submission to relevant bodies or meetings. The number of Parties playing an active role in these areas has increased.

#### **I. COOPERATIVE PROGRAMME FOR MONITORING AND EVALUATION OF THE LONG-RANGE TRANSMISSION OF AIR POLLUTANTS IN EUROPE**

6. The EMEP Steering Body held its thirty-second session from 8 to 10 September 2008 in Geneva (ECE/EB.AIR/GE.1/2008/2).

7. The EMEP Steering Body reviewed the progress in the work of its centres and task forces. It expressed its satisfaction with the progress achieved in all areas of work and identified the directions for future work. The Steering Body, in particular:

(a) Noted the report by the Meteorological Synthesizing Centre-West (MSC-West), the Centre on Emission Inventories and Projections (CEIP) and the Chemical Coordination Centre (CCC) on the scientific findings and results of the work on acidification, eutrophication and photo-oxidants with its general conclusion that the technical capabilities of EMEP modelling and monitoring had considerably improved. The Steering Body also noted the recommendations for future work that were put forward, involving: (i) including records of biomass burning activities (agricultural waste burning, forest fires and wildfires) to allow for the EMEP model to better capture observed increases in ozone and particulate matter (PM); (ii) encouraging cooperation among countries in Eastern Europe, Caucasus and Central Asia (EECCA) to maximize the environmental benefits for these countries, given the relatively small impact on EECCA from pollution reduction in the European Union; (iii) identifying ways to improve input information on meteorology, emissions, land use and measurement data for the extended and global modelling scales; and (iv) considering how to address the variability of the results, in

particular when analysing the effects of climate change on air pollution. The Steering Body also welcomed the 12 EECCA country reports with information on source-receptor calculations;

(b) Took note of the Status Report 2/08 on monitoring and modelling of heavy metals prepared by the Meteorological Synthesizing Centre-East (MSC-East) and CCC as well as of the country reports on transboundary pollution involving heavy metals. It welcomed the steps taken to further develop and validate the regional MSC-East model of heavy metals, in line with the recommendations of the Task Force on Measurement and Modelling as well as the work to extend the model to the global scale. It noted the information on the cooperation with United Nations Environment Programme (UNEP) and the Task Force on Hemispheric Transport of Air Pollution on modelling of the global atmospheric transport of mercury, as well as on the cooperation with the OSPAR Commission for the Protection of the Marine Environment of the North-East Atlantic and the Baltic Marine Environment Protection Commission (HELCOM) with respect to assessing heavy metal pollution of the Baltic Sea and North Atlantic Ocean.

(c) Took note of the status report 4/08 and welcomed the work and progress made by MSC-West, Centre for Integrated Assessment Modelling (CIAM), CEIP and CCC on atmospheric monitoring and modelling of PM, in the fields of regional and spatial variations of PM, emissions, assessment of atmospheric model performance, exceedance of air quality guidelines, PM chemistry and the impacts of the agricultural waste burning and wildfires of spring 2006 as well as the use of remote sensing data;

(d) Took note of Status report 3/08 and expressed its appreciation of the work and results of MSC-East and CCC on monitoring and modelling of persistent organic pollutants (POPs), which had focused on emission data as well as on model development in accordance with the recommendations of the workshop by the Task Force on Measurement and Modelling on the review of the model. It also welcomed the work on the evaluation of the contamination in the extended EMEP domain and on source-receptor relationships as well as the preparation of country-specific reports, including also Central Asian countries;

8. The EMEP Steering Body expressed its appreciation for the work carried out by the Task Force on Measurements and Modelling, MSC-West, MSC-East and CCC on uncertainties in emissions, modelling and measurements. It welcomed the preparatory work for the EMEP field campaigns that took into account lessons learned from the 2006–2007 campaigns. It acknowledged the outcomes of the workshop held jointly with the Task Force on Emission Inventories and Projections on uncertainties in inventories and atmospheric models, and invited the two Task Forces to reinforce their future cooperation through regular exchanges and joint workshops.

9. The EMEP Steering Body decided to advance the date for the annual submission of the measurement data by Parties to 31 July, so as to allow for quality control and analysis of the data by the end of the year. It welcomed the joint initiative by European Environment Agency (EEA)

and CCC, together with its host institution, the Norwegian Institute for Air Research (NILU), to conduct a feasibility study to determine how to most efficiently proceed with near-real-time (NRT) data, in taking into account the already existing NRT data exchange, and invited the Task Force on Measurements and Modelling to pursue its discussions on NRT following the completion of the feasibility study.

10. The Steering Body took note of the first draft of a revised EMEP monitoring strategy and Measurement Programme for the period 2010–2020 and thanked CCC for preparing the draft in consultation with the EMEP Bureau and the Task Force on Measurement and Modelling for its contribution to this work. It invited delegations to send comments to CCC and CCC to incorporate them into a next draft to be submitted to the Steering Body for consideration at its thirty-third session.

11. The Steering Body took note of progress in integrated assessment modelling and the report of the Task Force on Measurement and Modelling, drawing attention to the need to agree on assumptions for the baseline scenario development. In particular it welcomed the background report for the review of the Gothenburg Protocol<sup>1</sup> prepared by the Task Force on Integrated Assessment Modelling. It took note of the conclusions and recommendations of the workshop on integrated modelling of nitrogen, welcomed the activities of the network for national integrated assessment modelling, and encouraged all Parties to join the network to exchange experiences. The Steering Body further amended the workplan of the Task Force, in particular requesting all Parties to submit updated projections energy and activity projections compatible with climate change policies by 31 May 2009.

12. The Steering Body thanked the outgoing Chair of the Task Force on Emission Inventories and Projections, Ms. K. Rypdal (Norway), for her dedicated work and Norway for having acted as a lead country for the Task Force. It welcomed the offer of the United Kingdom to take on the lead country responsibilities as well as its nomination of Mr. C. Dore as its new Chair.

13. The Steering Body noted with appreciation the efficient transfer of responsibilities for the emission work from MSC-West to CEIP, the new EMEP Centre hosted by Umweltbundesamt Vienna, as well as the excellent work of CEIP in collecting and reviewing emissions and projections submitted during the 2008 reporting round, including the launch of a new website with emission reporting information.

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<sup>1</sup> 1999 Gothenburg Protocol to Abate Acidification, Eutrophication and Ground-level Ozone.

14. In taking note of the results of the 2008 reporting round, the Steering Body welcomed the increase in the number of Informative Inventory Reports (IIRs) submitted, but urged Parties to prepare them using the template in the revised Emission Guidelines as well as to provide an English summary of key information on the inventories, including reasons for recalculations, on new emission sources, explanation on trends and the implementation of country-specific methods and data. The Steering Body also invited non-Parties to the Protocols to submit emission data to CEIP in order to receive assistance for improving their national emission inventories as well as to provide input information for the atmospheric monitoring and modelling activities under the Convention. Parties were also encouraged to provide projections for 2030 and 2050 in view of the analysis of the links between air pollution and climate change.

15. The Steering Body took note of the draft Guidelines for Reporting Emissions Data (ECE/EB.AIR/WG.5/2008/6) and of the draft decision of the Executive Body on emission data reporting under the Convention (ECE/EB.AIR/WG.5/2008/1, annex) that the Working Group on Strategies and Review had forwarded for its information, following further work on legal and policy aspects accomplished with input by the ad hoc group of legal experts and the Co-chairs of the Task Force on Emission Inventories and Projections.

16. The Steering Body noted the change of name of the *EMEP/CORINAIR Emission Inventory Guidebook* into “EMEP/EEA Air Pollutant Emission Inventory Guidebook – Technical Guidance to Prepare National Emission Inventories following the LRTAP Convention’s Reporting Guidelines and the EU National Emission Ceilings Directive” (hereinafter, the Guidebook). It welcomed the improvements made to the Guidebook, with the assistance of consultants funded by the European Community, and acknowledged that the provision of up-to-date and good-quality guidance was a prerequisite for improving national emission inventories. It invited the Task Force to finalize the revision of the Guidebook in time for its adoption by the Steering Body at its thirty-third session, and for its subsequent endorsement by the Executive Body at its twenty-seventh session. The Steering Body agreed that the Guidebook could be made available online for the national experts to use prior to its formal adoption immediately after the Task Force had completed its revision. Furthermore, acknowledging the lack of dedicated resources and the absence of a systematic approach for improving and maintaining the Guidebook, the Steering Body invited the Task Force to present to it at its thirty-third session a draft maintenance plan specifying tasks, responsibilities and estimated cost for the Guidebook maintenance. It called upon Parties to the EMEP Protocol<sup>2</sup> to consider making voluntary contributions to guarantee the provision of up-to-date and good-quality data. It also stressed the importance of translating the Guidebook into Russian, with a

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<sup>2</sup> 1984 Geneva Protocol on Long-term Financing of the Cooperative Programme for Monitoring and Evaluation of the Long-range Transmission of Air Pollutants in Europe.

view to improving emission reporting in EECCA, and agreed that this work should start as soon the revision of the Guidebook was completed by the Task Force in spring 2009. It took note of the offers of the Russian Federation and Belarus to carry out this work, and invited delegations to explore opportunities to provide funds to this end.

17. The Steering Body noted the information on the stage 3 reviews of the emission inventories submitted to the Convention, including on preparatory work of the voluntary review of four Parties (France, Norway, Portugal and Sweden) that would take place in October 2008, and on the plans for the compulsory reviews to be carried out starting from 2009. It welcomed the further guidance to the stage 3 reviewers and the templates for the use by the stage 3 review teams prepared by the Task Force. It encouraged more Parties to nominate experts for the roster of review experts (involving both identifying national experts and funding for their work) as well as to financially support the participation of representatives from EECCA in the reviews. Regarding the stage 3 review reports, the Steering Body acknowledged the need to ensure their timely publishing on the EMEP-CEIP website, and recommended that this be done as soon as the reports were finalized, in consultation with the emission experts from the reviewed Parties.

18. The Steering Body took note of the progress made in the work of the Task Force on Hemispheric Transport of Air Pollution on: emission and projections, integration of observational evidence and on hemispheric transport of air pollution multi-model experiments, and its important contribution to outreach through holding meetings outside the UNECE region. It encouraged continued active participation of national experts in the work of the Task Force, in particular through taking part in the multi model comparison on POPs. The Steering Body welcomed the publication of the interim report of the Task Force, *Hemispheric Transport of Air Pollution 2007* (Air Pollution Studies No. 16, ECE/EB.AIR/94), and noted the important results presented. It welcomed the joint activities of the Task Force on Hemispheric Transport of Air Pollution with the other EMEP task forces, and noted the important contributions by the EMEP Centres to the work of the Task Force on Hemispheric Transport of Air Pollution. The Steering Body also noted the plans of the Task Force to continue its work with the aim of producing an updated report in 2010.

19. The Steering Body took note of the document prepared by the Bureau on revising the EMEP strategy for 2010–2019 (ECE/EB.AIR/GE.1/2008/13 and Corr.1). It discussed the achievements of the strategy for 2000–2009 as well as current and future priorities in policy and scientific issues, goals and driving forces to be covered by the revised strategy. It invited the Bureau to continue its work, taking into account the comments made by the delegations during and after the Steering Body's session, as well as the longer term needs of the Convention and the future plans of the Working Group on Effects, with a view to presenting a draft strategy its thirty-third session in 2009.

20. The Steering Body amended and agreed upon its workplan for 2009 (ECE/EB.AIR/GE.1/2008/9/Rev.1), prepared on the basis of the priorities of the Executive Body as reflected in recent workplans with input from the EMEP task forces and centres. After having taken note of the outcomes of the informal consultations of EECCA and South-East European (SEE) countries held during the session on activities under EMEP, the Steering Body decided to add a new item into its workplan on cooperation with countries in EECCA and SEE. The activities under the new work item aim at enhancing cooperation with EECCA and SEE countries, to involve them in the activities of EMEP and to provide them assistance, as needed, to implement the EMEP programme, in particular with a view to obtaining emission data and to establishing monitoring and modelling activities.

21. The Steering Body also agreed on increasing the total budget of CIAM for 2008 to US\$ 395,000 and on keeping the provisional budgets for 2009 and 2010 at the same level. It also considered the financial and budgetary matters of EMEP (ECE/EB.AIR/GE.1/2008/10) reported in ECE/EB.AIR/2008/2.

22. The Executive Body may wish, inter alia, to:

(a) Thank the outgoing Chair of the EMEP Steering Body, Mr. J. Schneider (Austria) for his valuable contribution for the EMEP work, and welcome the election of Ms. S. Vidič as the new Chair;

(b) Take note of the report of the thirty-second session of the EMEP Steering Body (ECE/EB.AIR/GE.1/2008/2);

(c) Take note of the contributions of the EMEP centres and task forces to the review of the Gothenburg Protocol;

(d) Note the progress made with respect to the modelling and monitoring of heavy metals, POPs and PM;

(e) Take note of the progress made with respect to integrated assessment modelling, and request all Parties in the EMEP domain to provide updated projections energy and activity projections compatible with climate change policies by 31 May 2009;

(f) Thank the outgoing Chair of the Task Force, Ms. K. Rypdal (Norway) for her dedicated work and Norway for having acted as a lead country for the Task Force on Emission Inventories and Projections; and approve the offer of the United Kingdom to take on the lead-country responsibilities as well as its nomination of Mr. C. Dore as the new Chair;

(g) Welcome the efficient transfer of responsibilities for the emission work from MSC-West to the new EMEP Centre for Emission Inventories and Projections, hosted by Umweltbundesamt Vienna, as well as the work of CEIP in collecting and reviewing emissions and projections submitted during the 2008 reporting round;

(h) Adopt the revised Emission Reporting Guidelines, as well as the draft decision of the Executive Body on emission data reporting under the Convention and its protocols;

(i) Welcome the stage 3 in depth reviews of emission inventories to improve the quality of emission data reporting, and invite Parties to nominate experts for the roster of review experts as well as to financially support the participation of experts from EECCA into the reviews;

(j) Note the request of the EMEP Steering Body and its Bureau made to the secretariat to invite the secretariat of the United Nations Framework Convention on Climate Change to provide the necessary data to CEIP to improve stage 2 emission inventory review results and help fill current data gaps and insufficiencies within the UNECE region;

(k) Invite the EMEP Steering Body and the Working Group on Effects to continue close cooperation in implementing the priority tasks of the Convention;

(l) Welcome the continued and useful cooperation of EMEP with other international organizations;

(m) Take note with satisfaction of the work accomplished by CIAM that was partially funded by the trust fund for core activities not covered by the EMEP Protocol (hereinafter, the trust fund), agree on keeping the total budget of CIAM for 2009 at \$395,000, and on keeping the provisional budgets for 2010 and 2011 at the same level, and call upon Parties to make every effort to provide the necessary funding for work on integrated assessment modelling to be conducted as foreseen in the workplan.

## **II. EFFECTS OF MAJOR AIR POLLUTANTS ON HUMAN HEALTH AND THE ENVIRONMENT**

23. The Working Group on Effects held its twenty-seventh session from 24 to 26 September 2008 in Geneva (ECE/EB.AIR/WG.1/2008/2).

24. The Working Group on Effects reviewed the results of the effects-oriented activities, as presented in the 2008 joint report of the International Cooperative Programmes (ICPs), the Task Force on the Health Aspects of Air Pollution and the Joint Expert Group on Dynamic Modelling (ECE/EB.AIR/WG.1/2008/3). It welcomed the enhanced participation of countries in the effects-oriented activities; noted the positive results of closer and more effective cooperation between ICPs, as well as with EMEP and other bodies under the Convention, and stressed the continuing need to communicate the results of the effects-oriented activities to policy and decision makers, to the professional community (including that outside the Convention) and to the general public, in order to maintain the necessary awareness and support.

25. The Working Group acknowledged the importance of the collaborative work on the workplan items common to all programmes, which had helped to synthesize their work and findings. The results on three recent items included:

(a) Robustness of monitored and modelled air pollution impacts, which aimed to support work on integrated assessment modelling;

(b) Observed parameters and monitoring methodologies of air pollution effects, as the only means to address the sufficiency of emission reduction policies and to contribute to the effectiveness evaluation. The results indicated potential key parameters as indicators for impacts on ecosystems, materials and human health, divided by major pollutants and receptors, and currently monitored and modelled by the programmes. They were also reflected in the draft guidelines for reporting (ECE/EB.AIR/WG.1/2008/16);

(c) Effects-oriented activities in EECCA countries as an updated summary table on the participation to meetings and on submission of data in recent years.

26. Two previous workplan items common for all programmes had comprised current information on dose-response functions, stock at risk, and links between field observations and critical loads. The results had been consolidated into a separate document. The Working Group approved the consolidated report on air pollution effects (ECE/EB.AIR/WG.1/2008/15) as amended, and decided to submit the revised document to the Executive Body for information. It also entrusted the Bureau and the secretariat to finalize the full report.

27. The Working Group reviewed the work of the ICP on Assessment and Monitoring of Air Pollution Effects on Forests (ICP Forests), in particular on the relationship between critical load exceedance for eutrophication and defoliation, and took note of the summary report on the results of monitoring forest conditions in Europe (ECE/EB.AIR/WG.1/2008/6).

28. The Working Group congratulated the ICP on the Assessment and Monitoring of Acidification of Rivers and Lakes (ICP Waters) on its work, taking note of modelling results that many sites in several regions of Europe would remain acidified after 2010 and of observations that acidified waters not only killed fish but reduced species richness as well (ECE/EB.AIR/WG.1/2008/7).

29. The Working Group considered the recent results of the ICP on Effects of Air Pollution on Materials, including Historic and Cultural Monuments (ICP Materials), welcomed the progress made with respect to mapping stock at risk in selected regions, and noted the results from a new model being used for mapping zinc run-off in Europe indicating higher risks than earlier (ECE/EB.AIR/WG.1/2008/8).

30. The Working Group expressed its satisfaction with the progress achieved in implementing the ICP on Effects of Air Pollution on Natural Vegetation and Crops (ICP Vegetation) and took note of the comprehensive evidence of widespread ozone damage to vegetation in Europe (1990–2006) (ECE/EB.AIR/WG.1/2008/9). It also took note of the heavy metals in mosses survey results on European metal specific spatial trends and country-specific temporal trends. It also agreed to use the flux-based parameterization for local tree species and welcomed the work on updating chapter 3 of the *Manual on Methodologies and Criteria for Modelling and Mapping Critical Loads and Levels and Air Pollution Effects, Risks and Trends* relating to ozone, prepared in cooperation by ICP on Modelling and Mapping of Critical Loads and Levels and Air Pollution Effects, Risks and Trends the (ICP Modelling and Mapping), ICP Vegetation and ICP Forests. The Working Group requested that ozone effects on vegetation be incorporated in integrated assessment modelling, in particular in work for the revision of the Gothenburg Protocol, and recommended that flux-based methods be used for this.

31. The Working Group congratulated the ICP on Integrated Monitoring of Air Pollution Effects on Ecosystems (ICP Integrated Monitoring) on its work on links between climate change and air pollution effects using site-specific data, noting that an increased use of forest harvest residues for biofuel production was predicted to negatively influence the base cation budgets thus causing re-acidification (ECE/EB.AIR/WG.1/2008/10).

32. The Working Group expressed its satisfaction with the recent important results of (ICP Modelling and Mapping and CCE, took note of the new data from national focal centres on critical loads and dynamic modelling for acidification and eutrophication (ECE/EB.AIR/WG.1/2008/11) and approved their use in work under the Convention, in particular for the revision of the Gothenburg Protocol. It also noted that a dynamic modelling tool allowing selected ex-post analyses of any deposition scenario was being finalized at CCE. It further agreed to use latest scientific knowledge and data, in particular ecosystem-specific deposition in calculating exceedances of critical loads in integrated assessment modelling.

33. The Working Group reviewed the work of the Task Force on the Health Aspects of Air Pollution and took note of the recent results of the Task Force on Health regarding the effects of ozone on human health, expressing concern that current policies would not reduce them significantly (ECE/EB.AIR/WG.1/2008/12). It also welcomed further progress made in assessing health impacts of air pollutants in EECCA. The Working Group expressed concern that the implementation of existing legislation would not provide a significant reduction in effects on health and vegetation, noting that policies aiming only at health effects would not protect vegetation in the northern one third of the European area.

34. The Working Group took note of the conclusions of the report of the eighth meeting of the Joint Expert Group on Dynamic Modelling (ECE/EB.AIR/WG.1/2008/13), noting the Joint Expert Group's continuing work, and encouraged the active participation of the ICPs and national experts in the Joint Expert Group's activities. The Working Group noted that climate change would almost certainly drive ecosystem changes, which will occur regardless of future atmospheric deposition. The pre-industrial (reference condition) status of ecosystems would almost certainly be not achievable in all locations due to climate change.
35. The Working Group welcomed the conclusions of the workshop "Critical loads for heavy metals" (ECE/EB.AIR/WG.1/2008/14), noting in particular the recommended further method development and refinement, in particular setting toxic thresholds (critical limits), critical loads, relevant processes, uncertainties and dynamic modelling evaluation, and as well that simple dynamic models should be used for mapping at national and European scales.
36. The Working Group agreed on the importance of continuing collaboration with the EMEP Steering Body, in particular with its Bureau and programme centres, to ensure that the Convention's priorities were addressed effectively.
37. The Working Group welcomed the invitation of the Chair of the Task Force on Integrated Assessment Modelling to play an active role in integrated assessment modelling, and encouraged the bodies under it to collaborate with the Task Force, CIAM and the network on national integrated assessment modelling. It emphasized to jointly explore the merits of the different options for target-setting for 2020 and aspirational non-binding targets for 2050.
38. The Working Group welcomed the visual evidence of observed effects by eutrophying nitrogen on ecosystems, as compiled in a photograph database. It also took note of the first meeting of the Task Force on Reactive Nitrogen and encouraged its bodies to closely collaborate with that Task Force.
39. The Working Group took note that the Executive Body had invited it to consider further the quantification of policy relevant effect indicators such as biodiversity change, and to link them to integrated modelling work. The Working Group welcomed the work done at CCE on the first approach for a regionalized indicator for biodiversity change proposed in the context of integrated assessment and for comparison of emission control scenarios and agreed to forward the information to the Executive Body.
40. The Working Group approved the draft Guidelines for reporting on the monitoring and modelling of air pollution effects (ECE/EB.AIR/WG.1/2008/16) as amended and decided to submit the revised document to the Executive Body for adoption.

41. The Working Group took note of the compiled information from its bodies on outreach activities, and asked the secretariat to make it available to the Executive Body.

42. The Working Group approved the draft 2009 workplan (ECE/EB.AIR/WG.1/2008/4/Rev.1) as amended for the further development of the effects-oriented activities and to provide necessary information for the revision of the Gothenburg Protocol. It also agreed to propose additional standing mandates for selected documents. The Working Group further agreed that the workplan could be used as a basis for setting up contracts under the trust fund. It entrusted its Bureau to prepare amendments to the long-term strategy for discussion and adoption in its twenty-eighth session in 2009 taking into account the development of the Convention strategy and update of the strategy of the EMEP Steering Body.

43. The Working Group considered the note on the funding of effects-oriented activities (ECE/EB.AIR/WG.1/2008/5), in particular the tables showing the 2008 international coordination costs of different effects-oriented activities. The Working Group approved the note as amended, including an agreed budget for effects-oriented programmes and integrated modelling activities for 2009 of \$2,152,700, and decided to submit the budget to the Executive Body. The Working Group reiterated its appreciation for the essential support rendered by countries leading the programmes or hosting programme centres, and also its invitation to all Parties which had not yet done so to provide without undue delay the contributions outlined by the Executive Body in its revised decision 2002/1 to the trust fund. The Working Group took note with satisfaction of the work accomplished by ICPs and the Task Force on Health and partially funded by the trust fund.

44. The Executive Body may wish, inter alia, to:

(a) Take note of the report of the twenty-seventh session of the Working Group on Effects (ECE/EB.AIR/WG.1/2008/2);

(b) Note the further progress in developing the effects-oriented activities and the important results achieved by the ICPs and the Task Force on Health in implementing the Convention (ECE/EB.AIR/WG.1/2008/3), and to welcome the concerted action using workplan items common to all programmes, in particular their reporting in the consolidated report on air pollution effects (ECE/EB.AIR/WG.1/2008/15);

(c) Take note of the recent development and findings from effects-oriented research that indicate that the implementation of existing legislation would not attain the ambition levels set out in article 2 of the Gothenburg Protocol, which is based on annexes that are not up to date scientifically; in particular, it would not provide a significant reduction in effects of ozone on health and vegetation, and the policies aiming only at health effects would not protect vegetation in large areas of Europe;

(d) Agree that the latest scientific knowledge and data be used, in particular that ozone effects on vegetation be incorporated in integrated assessment modelling, especially in work for the revision of the Gothenburg Protocol, and recommend that flux-based methods be used;

(e) Confirm that the new 2008 European critical and target load data and maps compiled by CCE (ECE/EB.AIR/WG.1/2008/11) may be used for work under the Convention, in particular in the revision of the Gothenburg Protocol;

(f) Note with satisfaction the continued progress achieved in the application of dynamic modelling (ECE/EB.AIR/WG.1/2008/13) and give guidance for the development of better ways for displaying policy relevant, meaningful, time-dependent information, in particular to provide guidance to CCE and CIAM in setting the necessary goals for analyses with dynamic modelling;

(g) Welcome the increasing links with the integrated assessment modelling activities and encourage the communication with the Task Force on Reactive Nitrogen;

(h) Adopt the draft Guidelines for reporting on the monitoring and modelling of air pollution effects (ECE/EB.AIR/WG.1/2008/16), as amended;

(i) Take note of the progress in developing policy relevant effects indicators, and to encourage to continue the work taking into account the guidelines on reporting effects;

(j) Welcome the progress achieved in outreach activities and cooperation between the bodies under the Convention, in particular to invite the Working Group on Effects and the EMEP Steering Body to continue their close cooperation in implementing the priority tasks of the Convention;

(k) Reiterate the importance of active participation by all Parties to the Convention, as well as of effective cooperation among the programmes, task forces and coordinating centres and their close collaboration with EMEP, and to welcome the further development of close links with relevant institutions and organizations outside the Convention;

(l) Reiterate its invitation to Parties to nominate national focal centres for those effects-oriented activities/programmes in which they do not yet actively participate;

(m) Note the importance of continuing the communication of the results and findings of the effects-oriented activities to the scientific community, policymakers and the general public, both nationally and internationally;

(n) Take note of the updated 2009 workplan for the further development of the effects-oriented activities (ECE/EB.AIR/WG.1/2008/4/Rev.1) as amended, and to welcome preparations to amend the long-term strategy;

(o) Agree on the following additional standing mandates for the documents for sessions of the Working Group on Effects:

- (i) Technical documents from recent research results of its bodies as identified in the workplan;

- (ii) Reports from workshops relevant for effects-oriented activities as identified in the workplan or as requested by the Executive Body or its main subsidiary bodies;
  - (iii) Reports of specific topics as identified in the workplan;
  - (iv) Documents related to the mandate or operation of the Working Group to be prepared by the Bureau;
  - (v) Documents to support the Executive Body's review or revision of the Convention or its protocols;
- (p) Note document ECE/EB.AIR/WG.1/2008/5 as amended, on the financing of the effects-oriented activities;
- (q) Take note with satisfaction the work accomplished by ICPs and the Task Force on Health and partially funded by the trust fund (ECE/EB.AIR/WG.1/2008/5);
- (r) Note the need for an improved approach to securing sufficient and stable funding for effects-oriented and integrated assessment modelling activities, and to consider further action to implement its revised decision 2002/1 to secure long-term funding for the core activities not covered by the EMEP Protocol.

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