



# Economic and Social Council

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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

Working Group on Effects

Seventh joint session

Geneva, 13–16 September 2021

Item 1 of the provisional agenda

**Adoption of the agenda**

### **Annotated provisional agenda for the seventh joint session\***

**To be held online starting at 3 p.m. on Monday, 13 September 2021**

#### **I. Provisional agenda**

1. Adoption of the agenda.
2. Progress in activities of the Cooperative Programme for Monitoring and Evaluation of the Long-range Transmission of Air Pollutants in Europe in 2021 and future work:
  - (a) Improvement and reporting of emission data and adjustments under the Protocol to Abate Acidification, Eutrophication and Ground-level Ozone:
  - (i) Adjustments under the Protocol to Abate Acidification, Eutrophication and Ground-level Ozone;
  - (ii) Improvement and reporting of emission data.
  - (b) Measurements and modelling;
  - (c) Integrated assessment modelling;

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\* There are accreditation procedures for all delegates attending meetings at the Palais des Nations. Delegates attending the meeting are therefore requested to register online **by 1 September 2021** through the relevant link: <https://unece.org/info/Environmental-Policy/Air-Pollution/events/350954>. Please find further information on in-person attendance and related restrictions on the meeting web page. This will be a paperless meeting. All the documentation for the session and related information will be posted on the meeting web page. Delegates should bring copies of any documentation they will require. 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 United Nations Economic Commission for Europe website: <https://unece.org/practical-information-delegates>. In case of difficulty, please contact the Convention secretariat at +41 22 917 3570.



- (d) Condensables in emission inventories and modelling;
  - (e) Hemispheric transport of air pollution.
3. Draft 2022–2023 workplan for the implementation of the Convention (science part):
  - (a) Cooperative Programme for Monitoring and Evaluation of the Long-range Transmission of Air Pollutants in Europe;
  - (b) Working Group on Effects.
4. Financial and budgetary matters:
  - (a) Cooperative Programme for Monitoring and Evaluation of the Long-range Transmission of Air Pollutants in Europe;
  - (b) Working Group on Effects.
5. Adoption of the report of the sixth joint session.
6. Matters arising from recent meetings of the Executive Body and its subsidiary bodies and activities of the Bureaux of the Steering Body and the Working Group on Effects.
7. Joint thematic session: contribution of scientific bodies to the review of sufficiency and effectiveness of the Protocol to Abate Acidification, Eutrophication and Ground-level Ozone.
8. Long-term strategy for scientific bodies under the Convention.
9. Information-sharing by Parties.
10. Progress in activities in 2021 and further development of effects-oriented activities:
  - (a) Air pollution effects on health;
  - (b) Critical loads and other issues related to modelling and mapping;
  - (c) Air pollution effects on materials, the environment and crops:
    - (i) Air pollution effects on materials;
    - (ii) Air pollution effects on forests;
    - (iii) Air pollution effects on waters;
    - (iv) Air pollution effects on vegetation;
    - (v) Integrated monitoring of air pollution effects.
  - (d) Further effects-oriented activities.
11. Other business.
12. Closing of the seventh joint session.

## II. Introduction

1. The Executive Body for the Convention on Long-range Transboundary Air Pollution agreed that, as of 2015, the Working Group on Effects and the Steering Body to the Cooperative Programme for Monitoring and Evaluation of the Long-range Transmission of Air Pollutants in Europe (EMEP) should meet jointly to achieve enhanced integration and cooperation between the Convention's two scientific subsidiary bodies.<sup>1</sup> The two bodies will hold their seventh joint session online from 13 to 16 September 2021.

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<sup>1</sup> See ECE/EB.AIR/122, para. 47 (b).

### III. Annotations to the provisional agenda

#### 1. Adoption of the agenda

2. The Steering Body to EMEP and the Working Group on Effects will be invited to adopt the agenda for their seventh joint session as set out in the present document.<sup>2</sup> The provisional time schedule is presented in an informal document entitled “Organization of work during the seventh joint session”.

##### Documentation

Annotated provisional agenda for the seventh joint session  
(ECE/EB.AIR/GE.1/2021/1–ECE/EB.AIR/WG.1/2021/1)

Organization of work during the seventh joint session (informal document)

#### 2. Progress in activities of the Cooperative Programme for Monitoring and Evaluation of the Long-range Transmission of Air Pollutants in Europe in 2021 and future work

3. Participants are expected to consider progress in the activities of EMEP in 2021 and in relation to the 2020–2021 workplan for the implementation of the Convention (ECE/EB.AIR/144/Add.2). Representatives of centres and task forces will present the main achievements and difficulties in the implementation of the 2020–2021 workplan items, and their relevance in connection with the goals of the long-term strategy for the Convention for 2020–2030 and beyond (Executive Body decision 2018/5).<sup>3</sup> EMEP centres and task forces will also present the proposed elements for the 2022–2023 workplan for the implementation of the Convention

##### Documentation

2021 joint progress report on contribution to the review of the Gothenburg Protocol  
(ECE/EB.AIR/GE.1/2021/3–ECE/EB.AIR/WG.1/2021/3)

EMEP Status Report 1/2021, Transboundary particulate matter, photo-oxidants, acidifying and eutrophying components (forthcoming)

EMEP Status Report 2/2021, Heavy metals and POPs: Pollution assessment of toxic substances on regional and global scales (forthcoming)

##### (a) Improvement and reporting of emission data and adjustments under the Protocol to Abate Acidification, Eutrophication and Ground-level Ozone

##### (i) Adjustments under the Protocol to Abate Acidification, Eutrophication and Ground-level Ozone

4. The representatives of the Centre on Emission Inventories and Projections and the Task Force on Emission Inventories and Projections will inform the Steering Body about the outcome of the analyses of requests by ten Parties (Belgium, Czechia, Denmark, Finland, France, Germany, Luxembourg, the Netherlands, Spain and the United Kingdom of Great Britain and Northern Ireland) to apply the adjustment procedure. Two Parties (Czechia and France) submitted new adjustment applications while the other Parties submitted data for adjustments approved in previous years.

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<sup>2</sup> Documentation for the session and other information materials will be made available on the web page for the session <https://unece.org/info/Environmental-Policy/Air-Pollution/events/350954>.

<sup>3</sup> All Executive Body decisions referred to in the present document are available at <https://unece.org/decisions>.

5. The Steering Body is expected to consider the outcome of the analyses and make recommendations to the Executive Body at its forty-first session (Geneva, 6–10 December 2021).

#### **Documentation**

Review of adjustment applications  
(ECE/EB.AIR/GE.1/2021/10–ECE/EB.AIR/WG.1/2021/21)

#### **(ii) Improvement and reporting of emission data**

6. The Co-Chairs of the Task Force on Emission Inventories and Projections will report on progress made, including the results of the annual joint meeting of the Task Force with the European Environment Agency European Environment Information and Observation Network (online, 4–6 May 2021).

7. A representative of the Centre on Emission Inventories and Projections will inform the Steering Body about the status of emissions data reporting, the work of the Centre and the work on data quality. She will report on progress in the inventory improvement programme, in particular with regard to the stage 3 in-depth reviews of the emission inventories and the experiences gained in the 2021 review.

8. Participants will discuss and review quality assurance issues regarding national emission inventories. Some national experts from Parties may be invited to present their views on emissions reported to the Convention, especially when significant changes in emission estimates are reported from one year to another.

9. The EMEP Steering Body is expected to provide some guidance on future emission and modelling work on this issue.

#### **Documentation**

Emission inventories and projections  
(ECE/EB.AIR/GE.1/2021/6–ECE/EB.AIR/WG.1/2021/17)

Present state of emission data, review process and data for modellers  
(ECE/EB.AIR/GE.1/2021/7–ECE/EB.AIR/WG.1/2021/18)

#### **(b) Measurements and modelling**

10. The EMEP status and technical reports relevant for the evaluation of progress made in 2021 (see documentation list below) will be made available on the EMEP website.<sup>4</sup> Under this subitem, representatives of the EMEP task forces and centres will report on progress in measurements and modelling activities as follows:

(a) The Co-Chairs of the Task Force on Measurements and Modelling will report on progress, including the results of the twenty-second meeting of the Task Force (online, 10–12 May 2021);

(b) A representative of the Meteorological Synthesizing Centre-West will give an overview of the activities on monitoring and modelling of acidification, eutrophication and photo-oxidants, including progress made by the Chemical Coordinating Centre and the Centre for Integrated Assessment Modelling, the work of the Meteorological Synthesizing Centre-West, discussions within the Task Force on Measurements and Modelling and plans for future work until the end of 2021;

(c) A representative of the Meteorological Synthesizing Centre-East will present an overview of the activities on monitoring and modelling of heavy metals, progress by the Chemical Coordinating Centre, the work of the Meteorological Synthesizing Centre-East, discussions within the Task Force on Measurements and Modelling and plans for future work until the end of 2021;

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<sup>4</sup> See [http://emep.int/emep\\_publications.html](http://emep.int/emep_publications.html).

(d) A representative of the Chemical Coordinating Centre will present an overview of activities on atmospheric monitoring and modelling of particulate matter, including with respect to work at the Meteorological Synthesizing Centre-West and the Centre for Integrated Assessment Modelling, the work of the Chemical Coordinating Centre, the results of the Task Force on Measurements and Modelling and plans for future work until the end of 2021;

(e) A representative of the Meteorological Synthesizing Centre-East will present an overview of activities on monitoring and modelling of persistent organic pollutants, including with respect to work at the Chemical Coordinating Centre, the work of the Meteorological Synthesizing Centre-East, the results of the Task Force on Measurements and Modelling and plans for future work until the end of 2021.

11. Participants are expected to:

(a) Approve the executive summaries of the 2021 status reports and to decide to present them to the Executive Body;

(b) Discuss the status of implementation of the monitoring strategy;

(c) Discuss progress made with respect to cooperation with national experts, and provide guidance on means for its improvement;

(d) Discuss progress made in modelling and monitoring activities in 2021 in all the above-mentioned areas of work and provide guidance on the further development of that work;

(e) Provide guidance on the further development of the measurement and modelling work.

#### **Documentation**

Measurements and modelling (ECE/EB.AIR/GE.1/2021/4–ECE/EB.AIR/WG.1/2021/15)

Joint MSC-W, CCC and CEIP EMEP Status Report 1/2021, Transboundary particulate matter, photo-oxidants, acidifying and eutrophying components (forthcoming)<sup>5</sup>

EMEP Status Report 2/2021, Heavy metals and POPs: Pollution assessment of toxic substances on regional and global scales (forthcoming)

#### **(c) Integrated assessment modelling**

12. The Chair of the Task Force on Integrated Assessment Modelling will report on Task Force activities, including the results of its fiftieth meeting (online, 21–23 April 2021). A representative of the Centre for Integrated Assessment Modelling will also report on activities. The participants are expected to discuss progress made and to provide further guidance on the integrated assessment modelling work.

#### **Documentation**

Integrated assessment modelling  
(ECE/EB.AIR/GE.1/2021/5–ECE/EB.AIR/WG.1/2021/16)

#### **(d) Condensables in emission inventories and modelling**

13. A representative of the Meteorological Synthesizing Centre-West will present the outcomes of the workshop on the best approaches in treatment of condensables in emission inventories and modelling (online, 17–19 March 2021), organized as part of a research project funded by the Nordic Council of Ministers. The final report of the project is available as an informal document at the seventh joint session.

14. Participants are expected to:

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<sup>5</sup> EMEP status reports for 2021 will be published in the summer or autumn. The names of the final authors and other publishing details are not currently available.

(a) Discuss available options on how to improve the treatment (completeness and consistency) of condensables in EMEP modelling and reporting of national emission inventories;

(b) Provide guidance and recommendations for further actions and activities, including providing support to Parties;

(c) Forward the guidance and recommendations to the Executive Body for consideration at its forty-first session.

#### **Documentation**

Measurements and modelling (ECE/EB.AIR/GE.1/2021/4–ECE/EB.AIR/WG.1/2021/15)

EMEP Technical Report MSC-W 4/2020, How should condensables be included in PM emission inventories reported to EMEP/CLRTAP (informal document)

#### **(e) Hemispheric transport of air pollution**

15. The Co-Chairs of the Task Force on Hemispheric Transport of Air Pollution will report on the results of recent activities and meetings that the Task Force co-organized or to which it contributed. The three latest meetings organized by the Task Force include: Reviewing questions and answers for the Protocol to Abate Acidification, Eutrophication and Ground-level Ozone (Gothenburg Protocol) review (online, 17 March 2021); Regional and extra-regional contribution to Hg (online, 13 April 2021); and Regional and extra-regional contribution to POPs (online, 15 April).<sup>6</sup>

16. Participants are expected to discuss and approve the main findings of the Task Force and to provide guidance for its further work.

#### **Documentation**

Hemispheric transport of air pollution  
(ECE/EB.AIR/GE.1/2021/8–ECE/EB.AIR/WG.1/2021/19)

### **3. Draft 2022–2023 workplan for the implementation of the Convention (science part)**

#### **(a) Cooperative Programme for Monitoring and Evaluation of the Long-range Transmission of Air Pollutants in Europe**

17. The EMEP Steering Body is expected to discuss and propose elements for the draft 2022–2023 workplan for the implementation of the Convention. The Steering Body will forward the relevant elements of the workplan for consideration and approval by the Executive Body at its forty-first session.

#### **(b) Working Group on Effects**

18. The Working Group on Effects is expected to discuss and propose elements for the draft 2022–2023 workplan for the implementation of the Convention. The Working Group will forward the relevant elements of the workplan for consideration and approval by the Executive Body at its forty-first session.

#### **Documentation**

Draft 2022–2023 workplan for the implementation of the Convention (science part)  
ECE/EB.AIR/GE.1/2021/18–ECE/EB.AIR/WG.1/2021/11.

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<sup>6</sup> For details, see <http://htap.org/>.

#### **4. Financial and budgetary matters**

19. The secretariat will introduce the note on financial and budgetary matters and will report on any updates regarding the payment of mandatory, voluntary and in-kind contributions to EMEP and for the effects-oriented activities in 2020 and 2021. The secretariat will also update participants on the contracts for the EMEP and Working Group on Effects centres in 2021 and the information provided by the centres on the total costs of their operation.

##### **(a) Cooperative Programme for Monitoring and Evaluation of the Long-range Transmission of Air Pollutants in Europe**

20. Participants are expected to discuss and adopt the detailed budget for the EMEP centres in 2022, and to submit the budget proposal to the Executive Body for its approval.

##### **(b) Working Group on Effects**

21. Participants are expected to discuss the budget for the centres under the Working Group in 2022.

##### **Documentation**

Financial and budgetary matters  
(ECE/EB.AIR/GE.1/2021/19–ECE/EB.AIR/WG.1/2021/12)

#### **5. Adoption of the report of the sixth joint session**

22. Participants will be invited to adopt the report of the sixth joint session of the EMEP Steering Body and the Working Group on Effects (Geneva, 14–17 September 2020).

##### **Documentation**

Report of the sixth joint session of the Steering Body to the Cooperative Programme for Monitoring and Evaluation of the Long-range Transmission of Air Pollutants in Europe and the Working Group on Effects (ECE/EB.AIR/GE.1/2020/2–ECE/EB.AIR/WG.1/2020/2)

#### **6. Matters arising from recent meetings of the Executive Body and its subsidiary bodies and activities of the Bureaux of the Steering Body and the Working Group on Effects**

23. The Chair of the Executive Body for the Convention will inform participants about matters arising from the fortieth session of the Executive Body (Geneva (hybrid), 18 December 2020).<sup>7</sup>

24. The Chair of the Working Group on Strategies and Review will inform participants about matters arising from the fifty-eighth (Geneva (hybrid), 14, 15 and 17 December 2020) and fifty-ninth (Geneva (hybrid) 18–21 May 2021) sessions of the Working Group (see, respectively, ECE/EB.AIR/WG.5/124 and ECE/EB.AIR/WG.5/126 (forthcoming)).

25. The Chairs of the EMEP Steering Body and the Working Group will present a summary of the work of their Bureaux since the sixth joint session. Participants are expected to discuss and provide guidance for further work on cooperation with other bodies under the Convention and the future activities of the two Bureaux.

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<sup>7</sup> See ECE/EB.AIR/146, available at <https://unece.org/environment/documents/2021/02/post-session-documents/report-eceebair146>.

## Documentation

Activities of the Bureaux of the Steering Body to the Cooperative Programme for Monitoring and Evaluation of the Long-range Transmission of Air Pollutants in Europe and the Working Group on Effects (ECE/EB.AIR/GE.1/2021/9–ECE/EB.AIR/WG.1/2021/20)

### **7. Joint thematic session: contribution of scientific bodies to the review of sufficiency and effectiveness of the Protocol to Abate Acidification, Eutrophication and Ground-level Ozone**

26. At its thirty-ninth session (Geneva, 9–13 December 2019), the Executive Body decided to initiate the review of the Protocol to Abate Acidification, Eutrophication and Ground-level Ozone (the Gothenburg Protocol) as amended in 2012.<sup>8</sup> At its fortieth session, the Executive Body adopted decision 2020/2 on the plan for undertaking the review of the Protocol to Abate Acidification, Eutrophication and Ground-level Ozone. In operative paragraph 2 of that decision, it requested that the Convention's subsidiary bodies consider the tasks contained in annex I to the document entitled "Preparations for the review of the Protocol to Abate Acidification, Eutrophication and Ground-level Ozone as amended in 2012" (ECE/EB.AIR/2020/3–ECE/EB.AIR/WG.5/2020/3) to be carried out to support the review of the Gothenburg Protocol, and also requested that implicated bodies submit to the secretariat, by 1 February 2021, timelines for completion and initial input, and that any further input from implicated bodies, in consideration of the tasks in annex I to the above-mentioned document, be submitted as informal documents for consideration by the Working Group on Strategies and Review at its fifty-ninth session.

27. The Executive Body further requested the Chair of the Working Group on Strategies and Review to: compile the inputs and information received into an annotated outline; undertake the policy-related work of the review, including assessing the policy implications of the information received; and elaborate and prepare the report of the review, including its conclusions (Executive Body decision 2020/2, operative para. 4).

28. At their online meeting from 1 to 4 March 2021, the Extended Bureaux of the Working Group on Effects and of the Steering Body to EMEP discussed the draft contributions of the scientific centres and task forces under the Convention. Following the Extended Bureaux meeting, the initial contribution from the EMEP and the Working Group on Effects communities was forwarded to the Gothenburg Protocol review group and included in an informal document for the fifty-ninth session of the Working Group on Strategies and Review (Geneva, 18–21 May 2021). The informal document is a compilation of inputs from subsidiary bodies<sup>9</sup> received by 9 April 2021 and incorporated into the annotated outline of the report on the review of the Gothenburg Protocol (ECE/EB.AIR/WG.5/2021/4). The informal document constitutes the Gothenburg Protocol review group working draft of the review. This draft will continue to be elaborated by the Gothenburg Protocol review group throughout the seventh joint session of the EMEP Steering Body and the Working Group on Effects and will become an official document for the Executive Body meeting in December 2021. This document is open for further improvements and additions until 15 July 2021. An updated version of that document will be available as an informal document for the seventh joint session.

29. A joint thematic session will be held to discuss the contribution of scientific bodies to the review of the Gothenburg Protocol. The session will give EMEP centres, task forces and international cooperative programmes under the Working Group on Effects the opportunity to present results and conclusions from their work relevant to the review.

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<sup>8</sup> See ECE/EB.AIR/144, para. 27 (e).

<sup>9</sup> The inputs by the Task Force on Hemispheric Transport of Air Pollution, the Task Force on Reactive Nitrogen and the Task Force on Techno-economic Issues are included in separate informal documents for the fifty-ninth session of the Working Group on Strategies .



30. The EMEP Steering Body and the Working Group on Effects are expected to discuss and agree on the content and timeline for providing further scientific input to the process of the Gothenburg Protocol review.

#### **Documentation**

Draft annotated outline of the report on the review of the Protocol to Abate Acidification, Eutrophication and Ground-level Ozone (ECE/EB.AIR/WG.5/2021/4)

Draft report on the review of the Protocol to Abate Acidification, Eutrophication and Ground-level Ozone – informal document for the fifty-ninth session of the Working Group on Strategies and Review<sup>10</sup>

### **8. Long-term strategy for scientific bodies under the Convention**

31. At their fifth joint session (Geneva, 9–13 September 2019), the EMEP Steering Body and the Working Group on Effects decided to prepare updates to the EMEP and Working Group strategies to be elaborated in 2020, for consideration and endorsement at their sixth joint session – to be forwarded to the Executive Body for its consideration and approval at its fortieth session.<sup>11</sup> At their online meeting from 24 to 26 March 2020, the Extended Bureaux of the Working Group on Effects and of the Steering Body to EMEP recalled the key achievements in implementing the Revised long-term strategy of the effects-oriented activities<sup>12</sup> and the Revised strategy for EMEP for 2010–2019<sup>13</sup> over the past ten years, and discussed proposed elements relevant for the update of the strategies (new priorities, future scientific work and a road map). The Extended Bureaux agreed that the updated strategies should be combined into a single document.

32. Due to the coronavirus disease (COVID-19) pandemic, the work on the updates to the EMEP and Working Group strategies could not be completed as planned and it will continue through 2022. At their online meeting from 24 to 26 March 2020, the Extended Bureaux of the Working Group on Effects and of the Steering Body to EMEP further discussed proposed elements relevant for the update of the strategies. The Chairs of the EMEP Steering Body and the Working Group on Effects will inform the participants about the progress of work on the updates to the EMEP and Working Group strategies and the related timeline.

### **9. Information-sharing by Parties**

33. Representatives of Parties are invited to prepare and present their national experiences in implementing monitoring and modelling activities under EMEP and/or their national effects-oriented activities. Parties are requested to present both successes in implementation and also obstacles thereto.

34. Participants are expected to consider the national experiences presented at the session and to recommend that similar exchanges of information be continued at future sessions.

### **10. Progress in activities in 2021 and further development of effects-oriented activities**

35. Participants are expected to consider progress in effects-oriented activities in 2021 and in relation to the 2020–2021 workplan for the implementation of the Convention.

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<sup>10</sup> Available at <https://unece.org/info/Environmental-Policy/Air-Pollution/events/350955>.

<sup>11</sup> See ECE/EB.AIR/GE.1/2019/2–ECE/EB.AIR/WG.1/2019/2, para. 72 (b).

<sup>12</sup> Available at [https://www.unece.org/fileadmin/DAM/env/documents/2012/EB/Informal\\_document\\_no\\_18\\_Revised\\_Long-term\\_Strategy\\_of\\_the\\_effects-oriented\\_activities\\_clean\\_text.pdf](https://www.unece.org/fileadmin/DAM/env/documents/2012/EB/Informal_document_no_18_Revised_Long-term_Strategy_of_the_effects-oriented_activities_clean_text.pdf).

<sup>13</sup> Available at [www.unece.org/fileadmin/DAM/env/documents/2013/air/emep/Informal\\_document\\_no\\_20\\_Revised\\_Strategy\\_for\\_EMEP\\_for\\_2010-2019\\_clean\\_text.pdf](http://www.unece.org/fileadmin/DAM/env/documents/2013/air/emep/Informal_document_no_20_Revised_Strategy_for_EMEP_for_2010-2019_clean_text.pdf).

Representatives of international cooperative programmes, centres and task forces and the Joint Task Force on the Health Aspects of Air Pollution (Task Force on Health) will present the main achievements and difficulties in the implementation of the 2020–2021 workplan items, and their relevance in connection with the goals of the long-term strategy for the Convention for 2020–2030 and beyond (Executive Body decision 2018/5). The centres and task forces under the Working Group on Effects will also present the proposed elements for the 2022–2023 workplan for the implementation of the Convention.

36. Representatives of the Bureau of the Working Group on Effects and international cooperative programmes will report on progress in implementing the recommendations from the review of the cooperative programmes, including progress in developing a common web page for the Working Group.<sup>14</sup>

37. Participants are expected to take note of the technical reports and the completion of the respective 2020–2021 workplan items. They may wish to provide guidance for future work.

#### **Documentation**

2021 joint progress report on contribution to the review of the Gothenburg Protocol  
(ECE/EB.AIR/GE.1/2021/3–ECE/EB.AIR/WG.1/2021/3)

#### **(a) Air pollution effects on health**

38. A representative of the Task Force on Health will report on its activities, including the results of its twenty-fourth meeting (online, 10 and 11 May 2021). Participants are expected to take note of the technical report and the completion of the respective 2020–2021 workplan items. They may wish to provide guidance for future work.

#### **Documentation**

Effects of air pollution on health  
(ECE/EB.AIR/GE.1/2021/17–ECE/EB.AIR/WG.1/2021/10)

#### **(b) Critical loads and other issues related to modelling and mapping**

39. Representatives of the International Cooperative Programme on Modelling and Mapping of Critical Levels and Loads and Air Pollution Effects, Risks and Trends (ICP Modelling and Mapping) and its Coordination Centre for Effects and the Centre for Dynamic Modelling will report on their activities, including the results of its thirty-seventh meeting (online, 20–22 April 2021). Participants are expected to take note of the technical report and the completion of the respective 2020–2021 workplan items. They may wish to provide guidance for future work.

#### **Documentation**

Modelling and mapping  
(ECE/EB.AIR/GE.1/2021/16–ECE/EB.AIR/WG.1/2021/9)

#### **(c) Air pollution effects on materials, the environment and crops**

##### **(i) Air pollution effects on materials**

40. A representative of the International Cooperative Programme on Effects of Air Pollution on Materials, including Historic and Cultural Monuments (ICP Materials) will report on its activities, including the results of its thirty-seventh meeting (online, 5 and 6 May 2021). Participants are expected to take note of the technical report and the completion of the respective 2020–2021 workplan items. They may wish to provide guidance for future work.

#### **Documentation**

Effects of air pollution on materials

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<sup>14</sup> See [www.unece-wge.org/](http://www.unece-wge.org/).

(ECE/EB.AIR/GE.1/2021/13–ECE/EB.AIR/WG.1/2021/6)

**(ii) Air pollution effects on forests**

41. A representative of the International Cooperative Programme on Assessment and Monitoring of Air Pollution Effects on Forests (ICP Forests) will report on its activities, including the results of its thirty-seventh meeting (Birmensdorf, Switzerland, 10 and 11 June 2021) and the ninth ICP Forests Scientific Conference (Birmensdorf, Switzerland, 7–9 June 2021). Participants are expected to take note of the technical report and the completion of the respective 2020–2021 workplan items. They may wish to provide guidance for future work.

**Documentation**

Effects of air pollution on forests  
(ECE/EB.AIR/GE.1/2021/11–ECE/EB.AIR/WG.1/2021/4)

**(iii) Air pollution effects on waters**

42. A representative of the International Cooperative Programme on Assessment and Monitoring of the Effects of Air Pollution on Rivers and Lakes (ICP Waters) will report on its activities, including the results of its thirty-seventh meeting (online, 28 and 29 April 2021). Participants are expected to take note of the technical report and the completion of the respective 2020–2021 workplan items. They may wish to provide guidance for future work.

**Documentation**

Effects of air pollution on rivers and lakes  
(ECE/EB.AIR/GE.1/2021/12–ECE/EB.AIR/WG.1/2021/5)

**(iv) Air pollution effects on vegetation**

43. A representative of the International Cooperative Programme on Effects of Air Pollution on Natural Vegetation and Crops (ICP Vegetation) will report on its activities, including the results of its thirty-fourth meeting (online, 22–24 February 2021). Participants are expected to take note of the technical report and the completion of the respective 2020–2021 workplan items. They may wish to provide guidance for future work.

**Documentation**

Effects of air pollution on natural vegetation and crops  
(ECE/EB.AIR/GE.1/2021/14–ECE/EB.AIR/WG.1/2021/7)

**(v) Integrated monitoring of air pollution effects**

44. A representative of the International Cooperative Programme on Integrated Monitoring of Air Pollution Effects on Ecosystems (ICP Integrated Monitoring) will report on its activities, including the results of its twenty-ninth meeting (online, 13 and 14 April 2021). Participants are expected to take note of the technical report and the completion of the respective 2020–2021 workplan items. They may wish to provide guidance for future work.

**Documentation**

Integrated monitoring on air pollution effects on ecosystems  
(ECE/EB.AIR/GE.1/2021/15–ECE/EB.AIR/WG.1/2021/8)

**(d) Further effects-oriented activities**

45. The Chair of the Working Group on Effects will provide an update on cooperation between the international cooperative programmes and other international organizations including the European Union. A representative of ICP Integrated Monitoring will present a new monitoring strategy with different levels of monitoring intensity. The goal is to expand the integrated monitoring network by adding new sites and new types of ecosystems. A representative of the Centre for Dynamic Modelling will update on the development of the common web page for the Working Group on Effects aiming to discuss how to move forward.

## **11. Other business**

46. At the time of writing, the secretariat had no points to propose under this agenda item. Delegations wishing to propose points under this item are requested to inform the secretariat as soon as possible.

## **12. Closing of the seventh joint session**

47. The secretariat will present an outline of the report with the main decisions. Participants are expected to adopt the decisions taken during the joint session and give directions to the secretariat for finalizing the report.

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