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**United Nations  
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**Open-ended Working Group of the Parties to  
the Montreal Protocol on Substances that  
Deplete the Ozone Layer**  
**Forty-third meeting**  
online, 22 and 24 May and 12–16 July 2021\*  
Items 3–13 of the provisional agenda\*\*

**Issues for discussion by and information for the attention of the  
Open-ended Working Group of the Parties to the Montreal  
Protocol at its forty-third meeting**

**Note by the Secretariat**

**I. Introduction**

1. The present note provides an overview of the issues on the provisional agenda of the forty-third meeting of the Open-ended Working Group of the Parties to the Montreal Protocol on Substances that Deplete the Ozone Layer.
2. Owing to the continuing coronavirus disease (COVID-19) pandemic, the forty-third meeting of the Open-ended Working Group cannot be held in person in Bangkok as planned. Instead, online work, facilitated by an online forum (established on the website of the Ozone Secretariat where parties can review and comment on specific documents) and a number of online meetings, will be organized for selected issues on the provisional agenda, namely: (a) replenishment of the Multilateral Fund for the Implementation of the Montreal Protocol for the period 2021–2023 (agenda item 3); (b) unexpected emissions of trichlorofluoromethane (CFC-11) (agenda item 4); (c) nominations for critical-use exemptions for methyl bromide for 2022 and 2023 (agenda item 7 (a)); and (d) energy-efficient and low-global-warming-potential technologies (agenda item 12).
3. The issues on the provisional agenda that have not been prioritized for the online work, or consideration of which is not concluded during the online work, will be deferred to the combined twelfth meeting (part II) of the Conference of the Parties to the Vienna Convention for the Protection of the Ozone Layer and Thirty-Third Meeting of the Parties to the Montreal Protocol, to be held from 23 to 29 October 2021. The combined meeting is expected to take place over seven days, in person, in Nairobi; the Secretariat is also exploring other possible venues.
4. As is customary, the present note by the Secretariat provides an overview of all the issues on the provisional agenda. Section II contains a summary of the issues to be discussed by the Open-ended Working Group at its forty-third meeting or by the parties at the combined twelfth meeting (part II) of

\* Some agenda items will be discussed in online meetings to be held on 22 and 24 May and from 14 to 17 July 2021; others will be deferred to the combined twelfth meeting (part II) of the Conference of the Parties to the Vienna Convention for the Protection of the Ozone Layer and Thirty-Third Meeting of the Parties to the Montreal Protocol, to be held from 23 to 29 October 2021.

\*\* UNEP/OzL.Pro.WG.1/43/1/Rev.1.

the Conference of the Parties to the Vienna Convention and Thirty-Third Meeting of the Parties to the Montreal Protocol.

5. Further information about the online activities of the forty-third meeting of the Open-ended Working Group is provided in the following four addenda to the present note:

(a) Addendum 1 (UNEP/OzL.Pro.WG.1/43/2/Add.1), which contains information on the organization of work, background information and issues for discussion relating to the online meeting on guidance to the Technology and Economic Assessment Panel task force on further work on its assessment of the funding requirement for the Multilateral Fund for the period 2021–2023 (replenishment report), to be held on 22 and 24 May 2021, and to the associated online forum;

(b) Addendum 2 (UNEP/OzL.Pro.WG.1/43/2/Add.2), which contains information on the organization of work, background information and issues for discussion relating to the online technical meeting on unexpected emissions of CFC-11, to be held on 14 and 15 July 2021, and to the associated online forum. The addendum provides brief summaries of the reports on CFC-11 of the Scientific Assessment Panel and the Technology and Economic Assessment Panel, prepared in accordance with decisions XXX/3, paragraph 1, and XXXI/3, paragraph 7, respectively. The executive summaries of those reports are to be included in the addendum so that they are available in all six official languages of the United Nations;

(c) Addendum 3 (UNEP/OzL.Pro.WG.1/43/2/Add.3), which contains information on the organization of work, background information and issues for discussion relating to the online technical meeting on energy efficiency, to be held on 16 and 17 July 2021, and to the associated online forum. A summary of the report on the continued provision of information on energy-efficient and low-global-warming-potential technologies, set out in volume 2 of the September 2020 report of the Technology and Economic Assessment Panel, and its executive summary can be found in document UNEP/OzL.Pro.WG.1/43/3;

(d) Addendum 4 (UNEP/OzL.Pro.WG.1/43/2/Add.4), which contains information on the initial evaluation of the nominations for critical-use exemptions for methyl bromide for 2022 and 2023. Addendum 4 and the relevant report of the Technology and Economic Assessment Panel are to be posted in the online forum under the tab dedicated to critical-use nominations to enable parties to comment on and ask questions about the report.

6. Issues not directly related to the implementation of previous decisions of the parties and related follow-up, but of possible interest to the parties, will be addressed in an information note on issues that the Secretariat would like to bring to the attention of the parties (UNEP/OzL.Pro.WG.1/43/INF/2). The note will contain information on initiatives undertaken by the Secretariat in relation to its more efficient operation, the improved implementation of the Montreal Protocol and synergies with the United Nations Environment Programme and other United Nations bodies; the 2021 high-level political forum on sustainable development; the International Plant Protection Convention; the innovative educational platform and campaign “Reset Earth”; the marking of the International Day for the Preservation of the Ozone Layer (World Ozone Day) in 2021; initiatives to enhance the Secretariat’s digital presence; the development and updating of the courses on the ozone treaties in the United Nations Information Portal on Multilateral Environmental Agreements, InforMEA; the partnership of international organizations for effective international rule-making; the World Environment Situation Room; human rights; and the Secretariat’s participation in the fifth session of the United Nations Environment Assembly and in the United Nations Food Systems Summit.

## **II. Summary of issues for discussion by the Open-ended Working Group at its forty-third meeting or by the parties at the combined twelfth meeting (part II) of the Conference of the Parties to the Vienna Convention and Thirty-Third Meeting of the Parties to the Montreal Protocol**

### **Agenda item 3**

#### **Replenishment of the Multilateral Fund for the Implementation of the Montreal Protocol for the period 2021–2023**

7. In decision XXXI/1, on the terms of reference for the study on the 2021–2023 replenishment of the Multilateral Fund, adopted by the Thirty-First Meeting of the Parties in 2019, the parties

requested the Technology and Economic Assessment Panel to prepare a report for submission to the Thirty-Second Meeting of the Parties, and to submit it through the Open-ended Working Group at its forty-second meeting, to enable the Thirty-Second Meeting of the Parties to adopt a decision on the appropriate level of the replenishment of the Multilateral Fund for the period 2021–2023.

8. In response to decision XXXI/1, the Panel established a task force and prepared a report, which was issued in May 2020 as volume 3 of the Panel's 2020 report. Given the COVID-19 pandemic, the work on the replenishment by the Open-ended Working Group at its forty-second meeting was organized online, consisting of a forum, through which parties submitted questions and comments on the replenishment report, and a technical meeting comprising three identical sessions held from 14 to 16 July 2020. At those sessions, the replenishment task force presented its report and responded to questions raised by the parties.

9. The co-chairs of the forty-second meeting of the Open-ended Working Group compiled in a document all the comments received from the parties through the forum. That document was forwarded to the Technology and Economic Assessment Panel. The Panel consolidated its responses, additional information and clarifications into a note entitled "TEAP Replenishment Task Force Responses to OEWG.42 Co-Chairs" compilation of comments submitted by parties (TEAP Task Force Responses document) that was issued in October 2020 and posted in the forum for the parties' consideration.

10. The online work organized under agenda item 3 of the forty-third meeting of the Open-ended Working Group will focus on the guidance to be given to the task force of the Technology and Economic Assessment Panel on further work on the replenishment report of May 2020. The Technology and Economic Assessment Task Force Responses document has been posted in the online forum on the replenishment<sup>1</sup> to aid parties in consideration of the further work to be requested from the task force. The online meeting on the replenishment will be held on 22 and 24 May 2021. Addendum 1 to the present note (UNEP/OzL.Pro.WG.1/43/2/Add.1) provides further information.

11. Negotiations on the replenishment of the Multilateral Fund for the period 2021–2023 are expected to take place at the combined twelfth meeting (part II) of the Conference of the Parties to the Vienna Convention and Thirty-Third Meeting of the Parties to the Montreal Protocol.

#### **Agenda item 4**

##### **Unexpected emissions of trichlorofluoromethane (CFC-11) (decision XXX/3, para. 1, and decision XXXI/3, para. 7)**

12. The issue of the unexpected emissions of CFC-11 was discussed extensively in 2018 and 2019. At the Thirty-First Meeting of the Parties, in 2019, the parties considered the following reports and information:

(a) The interim report of the Scientific Assessment Panel on increased emissions of CFC-11, prepared in accordance with paragraph 1 of decision XXX/3, on unexpected emissions of CFC-11, adopted by the Thirtieth Meeting of the Parties in 2018;<sup>2</sup>

(b) The final report by the task force on decision XXX/3 of the Technology and Economic Assessment Panel on unexpected emissions of CFC-11,<sup>3</sup> prepared in accordance with paragraph 2 of that decision, and issued as volume 1 of the September 2019 report of the Panel;

(c) The report by China on progress made in the system for the monitoring and management of ozone-depleting substances in that country (UNEP/OzL.Pro.31/INF/9);

(d) The report by the Secretariat (UNEP/OzL.Pro.31/6), updating the overview prepared in accordance with decision XXX/3 that was provided at the forty-first meeting of the Open-ended Working Group in 2019, including information on procedures used by the parties under the Montreal Protocol and the Multilateral Fund to review and ensure continuing compliance with the obligations of the Protocol and with the terms of the agreements under the Multilateral Fund.<sup>4</sup>

<sup>1</sup> Available at [www.online.ozone.unep.org/login](http://www.online.ozone.unep.org/login). The tab on the replenishment will be open for comments from 12 April to 10 May 2021.

<sup>2</sup> A summary is available in document UNEP/OzL.Pro/31/9, annex II, section A.

<sup>3</sup> A summary is available in document UNEP/OzL.Pro/31/9, annex II, section B.

<sup>4</sup> The document entitled "Overview of the procedures under the Multilateral Fund by which the parties review and ensure continuing compliance with the terms of agreements under the Fund: reissued" is available at [www.ozone.unep.org/system/files/documents/OEWG-41-backgroundnote-MLFS-verification-monitoring.docx](http://www.ozone.unep.org/system/files/documents/OEWG-41-backgroundnote-MLFS-verification-monitoring.docx).

13. In the light of the above-mentioned reports and information provided, the Thirty-First Meeting of the Parties, adopted decision XXXI/3, on unexpected emissions of CFC-11 and institutional processes to be enhanced to strengthen the effective implementation and enforcement of the Montreal Protocol.

14. In paragraph 7 of that decision, the Technology and Economic Assessment Panel was requested to provide the parties with an update to the information provided pursuant to paragraph 2 of decision XXX/3 and to provide a report thereon to the Thirty-Second Meeting of the Parties. The Panel was asked to include in the report any new compelling information that was to become available and to provide information on the following: (a) an analysis of CFC-11 banks; (b) linkages between the level of production of anhydrous hydrogen fluoride and carbon tetrachloride and unexpected emissions of CFC-11; (c) the types of CFC-11 products, the disposition of any such products and opportunities and methods for detecting such products and potentially recovering the associated CFC-11; and (d) identification of possible drivers of illegal production of and trade in CFC-11. The Panel established a task force to prepare the requested report in time for consideration by the Thirty-Second Meeting of the Parties in November 2020.

15. In paragraph 1 of decision XXX/3, the Scientific Assessment Panel was requested to present to the Thirty-Second Meeting of the Parties a final report on the unexpected increase of CFC-11 emissions that would supplement the information in its 2018 quadrennial assessment, including additional information regarding atmospheric monitoring and modelling, including underlying assumptions, with respect to such emissions.

16. Although the report by the Scientific Assessment Panel was originally scheduled for publication in late 2020, as mandated in decision XXX/3, it was delayed until early 2021 to allow for the inclusion of updated measurements and analysis on CFC-11 provided in two scientific articles published in February 2021. The Thirty-Second Meeting of the Parties did not discuss the issue of CFC-11. The advance version of the report of the Panel was issued on 1 April 2021 and posted on the portal of the forty-third meeting of the Open-ended Working Group.<sup>5</sup> The report of the Technology and Economic Assessment Panel, which was also scheduled to be issued for consideration by the Thirty-Second Meeting of the Parties, was also delayed until 2021 to enable that Panel to take into consideration the new findings in the report by the Scientific Assessment Panel. The report of the Technology and Economic Assessment Panel is expected to be issued in late May 2021. Summaries of the two reports and the executive summaries are to be provided in addendum 2 to the present note (UNEP/OzL.Pro.WG.1/43/2/Add.2).

17. The two reports by the panels will be posted under the online forum tab dedicated to the issue of the unexpected emissions of CFC-11.<sup>6</sup> Parties may wish to comment on and ask questions about the reports prior to the online technical meeting on CFC-11, which is scheduled to take place on 14 and 15 July 2021, in two substantially identical sessions. The panels will consider the comments and questions from the parties as they prepare their presentations to be delivered at the two sessions of the online technical meeting. At those sessions, participants will also have the opportunity to pose questions and make comments during question-and-answer sessions. For further information, please refer to addendum 2 to the present note (UNEP/OzL.Pro.WG.1/43/2/Add.2).

## Agenda item 5

### Identification of gaps in the global coverage of atmospheric monitoring of controlled substances and options for enhancing such monitoring (decision XXXI/3, para. 8)

18. In paragraph 8 of decision XXXI/3, the Scientific Assessment Panel was requested to work with the Ozone Research Managers of the parties to the Vienna Convention at their meeting in 2020 to identify gaps in the global coverage of atmospheric monitoring of controlled substances and to provide options for ways to enhance such monitoring, as well as exploring options for informing the parties of preliminary information indicating unexpected emissions of controlled substances, for consideration by the Thirty-Second Meeting of the Parties to the Montreal Protocol and by the Conference of the Parties to the Vienna Convention at its twelfth meeting.

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<sup>5</sup> Available at [www.ozone.unep.org/system/files/documents/SAP-April-2021-report-on-the-unexpected-emissions-of-CFC-11.pdf](http://www.ozone.unep.org/system/files/documents/SAP-April-2021-report-on-the-unexpected-emissions-of-CFC-11.pdf).

<sup>6</sup> Available at [www.online.ozone.unep.org/login](http://www.online.ozone.unep.org/login). The tab on unexpected emissions of CFC-11 will be open for comments from 31 May to 21 June 2021.

19. The Scientific Assessment Panel, in cooperation with experts in the atmospheric monitoring of substances controlled under the Montreal Protocol, prepared a white paper entitled “Closing the gaps in top-down regional emissions quantification: needs and action plan” (UNEP/OzL/Conv.ResMgr/11/4/Rev.1, annex) to serve as a basis for the discussions by the Ozone Research Managers at their eleventh meeting. Owing to the COVID-19 pandemic, that meeting was postponed twice. On 7 and 8 October 2020, part I of the meeting was held online to allow the white paper to be presented and initial discussions on the issue to take place among the Ozone Research Managers. The report of part I of the meeting (UNEP/OzL/Conv.ResMgr/11(I)/2)<sup>7</sup> is available on the portal of the eleventh meeting of the Ozone Research Managers (part I). The white paper is being revised, taking into account the discussion at the online meeting. It will be issued in document UNEP/OzL/Conv.ResMgr/11/4/Rev.2 and posted in the meeting portal ahead of part II of the eleventh meeting of the Ozone Research Managers.

20. In consultation with the co-chairs of the eleventh meeting of the Ozone Research Managers, it has been decided that part II of the eleventh meeting will be held online from 19 to 23 July 2021, with daily sessions from 2 to 5.30 p.m. (Nairobi time (UTC + 3)). At the meeting, the Ozone Research Managers will discuss all the issues that they were expected to discuss in 2020. The outcome and recommendations of the meeting, including on the gaps in the monitoring of controlled substances, will be forwarded for consideration by the combined twelfth meeting (part II) of the Conference of the Parties to the Vienna Convention and Thirty-Third Meeting of the Parties to the Montreal Protocol.

## Agenda item 6

### **Institutional processes to strengthen the effective implementation and enforcement of the Montreal Protocol (UNEP/OzL.Pro.31/9, para. 170)**

21. During the discussion on compliance and data-reporting issues by the Thirty-First Meeting of the Parties, the President of the Implementation Committee, in his report on the work of the Committee, informed the parties that, at its sixty-third meeting, the Committee had considered a report, prepared by the Secretariat at the Committee’s request, on possible ways of dealing with illegal production of and illegal trade in controlled substances under the Montreal Protocol. The report identified potential gaps in the non-compliance procedure, challenges, tools, and ideas and suggestions for improvement. The Committee had agreed that the information was relevant for all parties and that the Secretariat’s report would therefore be annexed to the report of the Implementation Committee on the work of its sixty-third meeting (UNEP/OzL.Pro/ImpCom/63/6). The Committee had also agreed to recommend to the Thirty-First Meeting of the Parties that the matter be included on the agenda of the forty-second meeting of the Open-ended Working Group. The parties subsequently agreed that an item dedicated to the issues covered in the above-mentioned report by the Secretariat would be added to the agenda of the forty-second meeting.

22. In addition to the report of the sixty-third meeting of the Implementation Committee, the parties considered an overview, prepared by the Secretariat, of documents about the institutional processes for the effective implementation of the Montreal Protocol (UNEP/OzL.Pro.WG.1/42/3), which provided an at-a-glance description of recent documents presented by the Secretariat that might have a bearing on the discussion of institutional processes to strengthen the effective implementation and enforcement of the Montreal Protocol. All the documents referred to in the report are available on the portal of the forty-second meeting of the Open-ended Working Group.

23. The issue was not discussed at the online technical meeting of the forty-second meeting of the Open-ended Working Group or at the combined twelfth meeting (part I) of the Conference of the Parties to the Vienna Convention and Thirty-Second Meeting of the Parties to the Montreal Protocol, which was held online in November 2020 and which took up only selected issues requiring decisions by the parties in 2020. The agenda item was therefore deferred to 2021 and will be included in the agenda of the combined twelfth meeting (part II) of the Conference of the Parties to the Vienna Convention and Thirty-Third Meeting of the Parties to the Montreal Protocol.

<sup>7</sup> <https://ozone.unep.org/meetings/11th-meeting-ozone-research-managers/post-session-documents>.

## Agenda item 7

### Technology and Economic Assessment Panel 2021 report

24. The following volumes of the Technology and Economic Assessment Panel 2021 report are expected to be issued:

Volume 1: Technology and Economic Assessment Panel 2021 progress report

Volume 2: Evaluation of 2021 critical-use nominations for methyl bromide – interim report

Volume 3: Decision XXXI/3 task force report on unexpected emissions of trichlorofluoromethane (CFC-11)

25. Volume 1 will be issued at the end of June 2021, while volumes 2 and 3 will be issued in late May 2021 in time for the parties' consideration in the related tab of the online forum and the respective online meetings.

26. Under agenda item 7, the following sub-items have been included for discussion:

- (a) Nominations for critical-use exemptions for methyl bromide for 2022 and 2023;
- (b) Future availability of halons and their alternatives (decision XXX/7);
- (c) Membership changes;
- (d) Any other issues.

27. The information and recommendations of the Panel relevant to sub-item (a) will be summarized in addendum 4 to the present note (UNEP/OzL.Pro.WG.1/43/2/Add.4). The other sub-items have not been prioritized for online work as part of the forty-third meeting of the Open-ended Working Group, but they will be included in the agenda of the combined twelfth meeting (part II) of the Conference of the Parties to the Vienna Convention and Thirty-Third Meeting of the Parties to the Montreal Protocol. Information relevant to those sub-items will be summarized in a note by the Secretariat for that combined meeting.

#### (a) Nominations for critical-use exemptions for methyl bromide for 2022 and 2023

28. In 2021, one party operating under paragraph 1 of Article 5 of the Protocol (Article 5 party), Argentina, submitted two nominations for critical-use exemptions for 2022 and two parties not operating under paragraph 1 of Article 5 of the Protocol (non-Article 5 parties), Australia and Canada, submitted one nomination each, for 2023 and 2022 respectively.

29. During its meeting, held online from 29 to 31 March 2021, the Methyl Bromide Technical Options Committee reviewed the critical-use nominations and additional information submitted by the nominating parties in response to the first round of questions from the Committee. The interim recommendations on the quantities of methyl bromide eligible for exemption will be included in the report of the Committee, to be made available in volume 2 of the Technology and Economic Assessment Panel 2021 report. The interim report of the Committee is expected to be finalized in late May, and it will be summarized in addendum 4 to the present note (UNEP/OzL.Pro.WG.1/43/2/Add.4).

30. The Technology and Economic Assessment Panel 2021 report, volume 2, and addendum 4 to the present note are to be posted in the online forum.<sup>8</sup> Parties are invited to post comments and questions in the dedicated tab on critical-use nominations. The Methyl Bromide Technical Options Committee is expected to respond to the questions in writing in the online forum thereafter. The Committee will prepare its final report on the critical-use nominations for consideration by the Thirty-Third Meeting of the Parties.

#### (b) Future availability of halons and their alternatives (decision XXX/7)

31. At the Thirtieth Meeting of the Parties, held in November 2018, the parties adopted decision XXX/7, on the future availability of halons and their alternatives, in which they requested that the Ozone Secretariat liaise with the secretariat of the International Maritime Organization (IMO) in order to facilitate the exchange of information between relevant technical experts regarding halon availability. The Secretariat did so in December 2018 and, in response, the IMO secretariat assigned

<sup>8</sup> Available at [www.online.ozone.unep.org/login](http://www.online.ozone.unep.org/login). The tab on the nominations for critical-use exemptions will be open for comments from 31 May to 21 June 2021.

one of its experts to serve as a focal point in support of the implementation of the decision. The co-chairs of the Halons Technical Options Committee were informed accordingly.

32. In the same decision, parties requested that the Technology and Economic Assessment Panel, through its Halons Technical Options Committee, (a) continue engaging with IMO and the International Civil Aviation Organization, consistent with paragraph 4 of decision XXVI/7, on the availability of recovered, recycled or reclaimed halons, and with paragraph 1 of decision XXIX/8, on the future availability of halons and their alternatives, to better assess future amounts of halons available to support civil aviation and to identify relevant alternatives already available or in development; (b) identify ways to enhance the recovery of halons from the breaking of ships; and (c) identify specific needs for halon, other sources of recoverable halon, and opportunities for recycling halon in Article 5 parties and non-Article 5 parties. The Panel was also requested to submit a report on halon availability to the parties in advance of the forty-second meeting of the Open-ended Working Group. The Technology and Economic Assessment Panel and its Halons Technical Options Committee provided the requested report in volume 1 of the Panel's May 2020 report.

33. The issue was not discussed at the online technical meeting of the forty-second meeting of the Open-ended Working Group or at the combined twelfth meeting (part I) of the Conference of the Parties to the Vienna Convention and Thirty-Second Meeting of the Parties to the Montreal Protocol, which took up only selected issues requiring decisions by the parties in 2020. The agenda item was therefore deferred to 2021 and will be included in the agenda of the combined twelfth meeting (part II) of the Conference of the Parties to the Vienna Convention and Thirty-Third Meeting of the Parties to the Montreal Protocol.

34. Volume 1 of the Panel's 2021 report, the progress report, is expected to provide an update of the 2020 report. A summary of the 2021 updated report will be provided in a note by the Secretariat for the combined meeting.

**(c) Membership changes**

35. Volume 1 of the 2021 report of the Technology and Economic Assessment Panel, the progress report, is expected to contain information on the membership of Technology and Economic Assessment Panel and its technical options committees, including the term of appointment of each member; the expertise available in each committee; and the matrix of needed expertise of the Panel and its technical options committees. As requested in decision XXXI/8, on the terms of reference of the Technology and Economic Assessment Panel and its technical options committees and temporary subsidiary bodies – procedures relevant to nominations, the Panel is expected to provide, in its 2021 report, a summary outlining the procedures that the Panel and its technical options committees have undertaken to ensure adherence to the Panel's terms of reference through clear and transparent procedures.

36. This issue will be included in the agenda of the combined twelfth meeting (part II) of the Conference of the Parties to the Vienna Convention and Thirty-Third Meeting of the Parties to the Montreal Protocol; the note by the Secretariat for that combined meeting will summarize the relevant information from the Panel's 2021 progress report.

**(d) Any other issues**

37. Volume 1 of the 2021 report of the Technology and Economic Assessment Panel, the progress report, is expected to contain information and key messages on various other issues, including progress on alternatives in the sectors that use controlled substances and organizational and administrative matters.

38. An agenda item on any other matters will be included in the agenda of the combined twelfth meeting (part II) of the Conference of the Parties to the Vienna Convention and Thirty-Third Meeting of the Parties to the Montreal Protocol, so that parties may raise issues of concern arising from the Panel's 2021 report for discussion at that meeting.

## **Agenda item 8**

### **Strengthening the Technology and Economic Assessment Panel and its technical options committees for the phase-down of hydrofluorocarbons and other future challenges related to the Montreal Protocol and the climate (UNEP/OzL.Conv.12(I)/6–UNEP/OzL.Pro.32/8, para. 15)**

39. At the combined twelfth meeting (part I) of the Conference of the Parties to the Vienna Convention and Thirty-Second Meeting of the Parties to the Montreal Protocol, during the adoption of the agenda, the representative of Morocco introduced a draft decision, set out in a conference room paper, on strengthening the Technology and Economic Assessment Panel and its technical options committees for the phase-down of hydrofluorocarbons and other future challenges related to the Montreal Protocol and the climate. While the proposal raised important issues requiring careful thought, the time available at the meeting was limited. The parties, therefore, decided to defer consideration of the matter until 2021.

40. This issue will be included for discussion in the agenda of the combined twelfth meeting (part II) of the Conference of the Parties to the Vienna Convention and Thirty-Third Meeting of the Parties to the Montreal Protocol.

## **Agenda item 9**

### **Stocks of methyl bromide (UNEP/OzL.Pro.31/9, para. 100)**

41. In 2019, the parties discussed the issue of stocks of methyl bromide. At the Thirty-First Meeting of the Parties, they discussed the issue in plenary and in the informal group dealing with the nominations for critical-use exemptions for methyl bromide owing to the relevance of the issue to the work of the Methyl Bromide Technical Options Committee. In the ensuing discussion in plenary, several parties recognized that the issues related to the storage and use of methyl bromide merited further discussion. The representative of the European Union, also on behalf of a number of other parties, introduced a draft decision, in which parties were requested to report, on a voluntary basis, on stocks of methyl bromide to facilitate the work of the Technology and Economic Assessment Panel. Given that the parties were unable to reach consensus on the matter following informal discussions on the draft decision, they agreed to include the matter in the agenda of the forty-second meeting of the Open-ended Working Group.

42. The issue was not discussed at the online technical meeting of the forty-second meeting of the Open-ended Working Group or at the combined twelfth meeting (part I) of the Conference of the Parties to the Vienna Convention and Thirty-Second Meeting of the Parties to the Montreal Protocol, which took up only selected issues requiring decisions by the parties in 2020. The agenda item was therefore deferred to 2021 and will be included in the agenda of the combined twelfth meeting (part II) of the Conference of the Parties to the Vienna Convention and Thirty-Third Meeting of the Parties to the Montreal Protocol.

## **Agenda item 10**

### **Ongoing emissions of carbon tetrachloride (UNEP/OzL.Pro.31/9, para. 81)**

43. In 2019, the issue of carbon tetrachloride emissions was discussed as a result of the findings on such emissions and their sources included by the Scientific Assessment Panel in its 2018 quadrennial assessment. The report had included new findings that had contributed to reducing the discrepancy between the top-down and bottom-up estimates of the emission levels and to a better understanding of emission sources.

44. At the Thirty-First Meeting of the Parties, the parties discussed a draft decision proposed by Switzerland, which had initially been introduced at the forty-first meeting of the Open-ended Working Group, containing a list of possible actions to address the emissions of carbon tetrachloride, as well as linkages with the issues of CFC-11 emissions, feedstock uses of carbon tetrachloride and unregulated industrial emissions of the substance. Following discussions in plenary and informally, the representative of Switzerland reported that participants in the informal discussions had agreed that it would be useful to give parties more time to consult with one another, with industry and with the Technology and Economic Assessment Panel to determine what additional information could usefully be collected to support mitigation measures. The representative of Switzerland requested the inclusion of the item in the agenda of the subsequent meeting of the Open-ended Working Group and suggested that interested parties with any production or consumption of carbon tetrachloride might wish to gather

information on their domestic industrial processes as a basis for further discussion of what information might be needed to address the issue of carbon tetrachloride emissions. The parties took note of the information provided and agreed to include the item in the agenda of the forty-second meeting of the Open-ended Working Group.

45. The issue was not discussed at the online technical meeting of the forty-second meeting of the Open-ended Working Group or at the combined twelfth meeting (part I) of the Conference of the Parties to the Vienna Convention and Thirty-Second Meeting of the Parties to the Montreal Protocol, which took up only selected issues requiring decisions by the parties in 2020. The agenda item was therefore deferred to 2021 and will be included in the agenda of the combined twelfth meeting (part II) of the Conference of the Parties to the Vienna Convention and Thirty-Third Meeting of the Parties to the Montreal Protocol.

## **Agenda item 11**

### **Membership of the Executive Committee of the Multilateral Fund for the Implementation of the Montreal Protocol (UNEP/OzL.Pro.31/9, para. 147)**

46. Starting at the Thirtieth Meeting of the Parties in 2018, and thereafter at the forty-first meeting of the Open-ended Working Group and the Thirty-First Meeting of the Parties in 2019, a proposal by parties in Eastern Europe and Central Asia to change the membership of the Executive Committee of the Multilateral Fund was discussed. The proposal sought to augment the Committee by an additional member from an Article 5 party and an additional member from a non-Article 5 party, with Eastern Europe and Central Asia being given a permanent seat among the membership from Article 5 parties. This aimed to modify the present arrangement, based on a four-year rotation, that had been adopted in decision XVI/38, on the need to ensure equitable geographical representation in the Executive Committee of the Multilateral Fund. The proponents had stressed the equal right of all regions to participate in the work of the Executive Committee.

47. At the Thirty-First Meeting of the Parties, the proposed draft decision on the matter was discussed, but no consensus could be reached among the parties on the issue itself or on the establishment of a contact group on the matter. Parties agreed to defer further discussion of the matter to the forty-second meeting of the Open-ended Working Group.

48. The issue was not discussed at the online technical meeting of the forty-second meeting of the Open-ended Working Group or at the combined twelfth meeting (part I) of the Conference of the Parties to the Vienna Convention and Thirty-Second Meeting of the Parties to the Montreal Protocol, which took up only selected issues requiring decisions by the parties in 2020. The issue was therefore deferred to 2021 and will be included in the agenda of the combined twelfth meeting (part II) of the Conference of the Parties to the Vienna Convention and Thirty-Third Meeting of the Parties to the Montreal Protocol.

## **Agenda item 12**

### **Energy-efficient and low-global-warming-potential technologies (decision XXXI/7)**

49. At the Thirty-First Meeting of the Parties, the task force of the Technology and Economic Assessment Panel presented its report on the cost and availability of low-global-warming-potential technologies and equipment that maintained or enhanced energy efficiency, covering various refrigeration, air-conditioning and heat-pump sectors, in particular domestic air-conditioning and commercial refrigeration, and taking into account conditions in different geographical regions, including countries with high-ambient-temperature conditions. The report was an update of the initial report presented at the forty-first meeting of the Open-ended Working Group and incorporated several further elements suggested by the parties at that meeting.

50. The parties discussed the issue in plenary, and informally, and adopted decision XXXI/7, on the continued provision of information on energy-efficient and low-global-warming-potential technologies, in which the Technology and Economic Assessment Panel was requested to prepare a report for consideration by the Thirty-Second Meeting of the Parties, addressing any new developments with respect to best practices, availability, accessibility and cost of energy-efficient technologies in the refrigeration, air-conditioning and heat-pump sectors as regards the implementation of the Kigali Amendment to the Montreal Protocol.

51. In response to decision XXXI/7, the Technology and Economic Assessment Panel established a task force and issued a report in September 2020, for consideration by the Thirty-Second Meeting of the Parties.

52. The issue was not discussed at the combined twelfth meeting (part I) of the Conference of the Parties to the Vienna Convention and Thirty-Second Meeting of the Parties to the Montreal Protocol, which took up only selected issues requiring decisions by the parties in 2020. The agenda item was therefore deferred to 2021. The report of the Technology and Economic Assessment Panel has been posted on the meeting portal of the forty-third meeting of the Open-ended Working Group. It will also be posted under the tab dedicated to energy efficiency and low-global-warming-potential technologies in the online forum.<sup>9</sup> Parties may wish to comment and ask questions on the report prior to the online technical meeting on the topic, which is scheduled to take place on 16 and 17 July 2021, in two substantially identical sessions. The task force will consider the comments and questions from the parties as they prepare their presentations to be delivered at the two sessions of the online meeting. At those sessions, participants will also have the opportunity to pose questions and make comments during question-and-answer sessions. For further information, please refer to addendum 3 to the present note (UNEP/OzL.Pro.WG.1/43/2/Add.3).

### **Agenda item 13**

#### **Mario Molina declaration (UNEP/OzL.Conv.12(I)/6–UNEP/OzL.Pro.32/8, para. 16)**

53. At the combined twelfth meeting (part I) of the Conference of the Parties to the Vienna Convention and Thirty-Second Meeting of the Parties to the Montreal Protocol, Mexico submitted a proposal for a Mario Molina declaration to support and strengthen the Montreal Protocol, for consideration and possible adoption by the parties. The parties agreed to defer consideration of the proposed declaration until 2021 owing to the streamlined nature of that combined meeting, which took up only selected issues requiring decisions by the parties in 2020, as agreed well ahead of the meeting through informal consultations among the parties.

54. The item will be included in the agenda of the combined twelfth meeting (part II) of the Conference of the Parties to the Vienna Convention and Thirty-Third Meeting of the Parties to the Montreal Protocol.

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<sup>9</sup> Available at [www.online.ozone.unep.org/login](http://www.online.ozone.unep.org/login). The tab on energy-efficient and low-global-warming-potential technologies will be open from 31 May to 21 June 2021.