
**Montreal Protocol
on Substances that
Deplete the Ozone Layer**

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English only

**Open-ended Working Group of the Parties
to the Montreal Protocol on Substances
that Deplete the Ozone Layer
Forty-sixth meeting
Montreal, 8–12 July 2024**

Annotations to the provisional agenda

Note by the Secretariat

1. The annotations to the provisional agenda* of the forty-sixth meeting of the Open-ended Working Group of the Parties to the Montreal Protocol on Substances that Deplete the Ozone Layer, set out in the annex to the present note, provide a reference guide to the documents that have been prepared to facilitate consideration by the parties of the items on the provisional agenda.¹
2. The [invitation letter to all parties](#), dated 28 February 2024, has been sent to all parties, and the [information note](#) for participants, with information on pre-registration and on-site registration, has been posted on [the meeting portal](#).
3. A mobile application for the meeting² is available, allowing access to all meeting information, the daily schedule, meeting documents and streaming of the plenary session, and recipient of any urgent notifications.

* UNEP/OzL.Pro.WG.1/46/1/Rev.1.

¹ All documents are available under the pre-session tab of the meeting portal for the forty-sixth meeting of the Open-ended Working Group: <https://ozone.unep.org/meetings/46th-meeting-open-ended-working-group-parties/pre-session-documents>.

² Access the mobile application from the App Store at <https://rb.gy/npsc93> and for Android devices at <https://rb.gy/w22gzz>.

Annex

<i>Agenda item</i>	<i>Title of the agenda item and brief description</i>	<i>Related documents and relevant remarks</i>
Item 1	Opening of the meeting	
	<p>The forty-sixth meeting of the Open-ended Working Group of the Parties to the Montreal Protocol on Substances that Deplete the Ozone Layer is scheduled to be opened at 10 a.m. on Monday, 8 July 2024, at the International Civil Aviation Organization (ICAO) Conference Centre in Montreal.</p> <p>The meeting will be chaired jointly by Miruza Mohamed (Maldives) and Ralph Brieskorn (Kingdom of the Netherlands).</p> <p>A welcoming statement will be made by the Executive Secretary of the Ozone Secretariat, also representing the United Nations Environment Programme (UNEP).</p>	
Item 2	Organizational matters	
(a)	<p><i>Adoption of the agenda</i></p> <p>The Open-ended Working Group may wish to adopt the agenda, highlighting any additional items deemed necessary to be discussed under items 6 (d) on “Any other issues” of the Technology and Economic Assessment Panel 2024 progress report, and 11 on “Other matters”.</p>	<ul style="list-style-type: none"> • Provisional agenda (UNEP/OzL.Pro.WG.1/46/1/Rev.1) • Rules of procedure for meetings of the parties to the Montreal Protocol
(b)	<p><i>Organization of work</i></p> <p>The co-chairs will propose the organization of work at the meeting.</p>	
Item 3	Presentations by the Technology and Economic Assessment Panel and the Scientific Assessment Panel	
	<p>The panels will present the key findings of their assessments. The Open-ended Working Group may wish to refer to those findings in the progress reports and to discuss the sub-items under item 3 of the provisional agenda.</p>	
(a)	<p><i>Very short-lived substances (decision XXXV/6)</i></p> <p>The Open-ended Working Group may wish to consider the updated information on very short-lived substances included in the 2024 progress report of the Technology and Economic Assessment Panel and recommend a way forward.</p>	<ul style="list-style-type: none"> • Note by the Secretariat on 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-sixth meeting (UNEP/OzL.Pro.WG.1/46/2, paras. 7 and 8) • Note by the Secretariat on 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-sixth meeting – Addendum (UNEP/OzL.Pro.WG.1/46/2/Add.1, paras. 5–18) • Report of the Technology and Economic Assessment Panel, May 2024, Volume 1: Progress Report (section 5.2) • Scientific Assessment Panel: Scientific Assessment of Ozone Depletion 2022 • Medical and Chemical Technical Options Committee: 2022 Assessment Report • Report of the Thirty-Fifth Meeting of the Parties to the Montreal Protocol on Substances that Deplete the Ozone Layer (UNEP/OzL.Pro.35/12, part one, section VIII, paras. 72–79)
(b)	<p><i>Feedstock uses of controlled substances (decision XXXV/8)</i></p> <p>The Open-ended Working Group may wish to consider the updated information on emissions from feedstock production included in the 2024 progress report of the Technology and Economic Assessment Panel and recommend a way forward.</p>	<ul style="list-style-type: none"> • Note by the Secretariat on 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-sixth meeting (UNEP/OzL.Pro.WG.1/46/2, paras. 9 and 10) • Note by the Secretariat on issues for discussion by and information for the attention of the Open-ended

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(c)	<p><i>Emissions of carbon tetrachloride (decision XXXV/9)</i></p> <p>The Open-ended Working Group may wish to consider the updated information on emissions of carbon tetrachloride included in the 2024 progress report of the Technology and Economic Assessment Panel and recommend a way forward.</p>	<p>Working Group of the Parties to the Montreal Protocol at its forty-sixth meeting – Addendum (UNEP/OzL.Pro.WG.1/46/2/Add.1, paras. 19–30 and annex II)</p> <ul style="list-style-type: none"> • Report of the Technology and Economic Assessment Panel, May 2024, Volume 1: Progress Report (section 5.3) • Scientific Assessment Panel: Scientific Assessment of Ozone Depletion 2022 • Report of the Thirty-Fifth Meeting of the Parties to the Montreal Protocol on Substances that Deplete the Ozone Layer (UNEP/OzL.Pro.35/12, part one, section XIV, paras. 135–143) • Note by the Secretariat on 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-sixth meeting (UNEP/OzL.Pro.WG.1/46/2, paras. 11 and 12) • Note by the Secretariat on 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-sixth meeting – Addendum (UNEP/OzL.Pro.WG.1/46/2/Add.1, paras. 31–37) • Report of the Technology and Economic Assessment Panel, May 2024, Volume 1: Progress Report (section 5.4) • Report of the Thirty-Fifth Meeting of the Parties to the Montreal Protocol on Substances that Deplete the Ozone Layer (UNEP/OzL.Pro.35/12, part one, section XIII, paras. 122–129)
Item 4	Life-cycle refrigerant management (decision XXXV/11)	<ul style="list-style-type: none"> • Note by the Secretariat on 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-sixth meeting (UNEP/OzL.Pro.WG.1/46/2, paras. 13–15) • Note by the Secretariat on 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-sixth meeting – Addendum (UNEP/OzL.Pro.WG.1/46/2/Add.1, paras. 38–40 and annex I) • Report of the Technology and Economic Assessment Panel, May 2024, Volume 3: Decision XXXV/11 Task Force Report on Life Cycle Refrigerant Management
Item 5	Enhancing the global and regional atmospheric monitoring of substances controlled by the Montreal Protocol (decision XXXV/14)	<ul style="list-style-type: none"> • Note by the Secretariat on 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-sixth meeting (UNEP/OzL.Pro.WG.1/46/2, paras. 16–19) • Note by the Secretariat on 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-sixth meeting – Addendum (UNEP/OzL.Pro.WG.1/46/2/Add.1, paras. 41–76 and annexes V and VI)

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		<ul style="list-style-type: none"> • Note by the Secretariat on 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-fifth meeting (UNEP/OzL.Pro.WG.1/45/2/Add.2, paras. 24–37) • Note by the Secretariat entitled “Enhancing the global and regional atmospheric monitoring of substances controlled by the Montreal Protocol: Report on potential funding sources and administrative issues” (UNEP/OzL.Pro.WG.1/46/INF/4) • Recommendations of the Twelfth Meeting of the Ozone Research Managers (ORM12) • Outcomes of the "Workshop on Costs of Atmospheric Monitoring of Gases Controlled under the Montreal Protocol" • Report of the Technology and Economic Assessment Panel, May 2023, Volume 1: Progress Report (section 5.3).
Item 6	Presentation and discussion of the Technology and Economic Assessment Panel 2024 progress report	
(a)	<p><i>Nominations for critical-use exemptions for methyl bromide for 2025</i></p> <p>The Open-ended Working Group will consider one nomination for a critical-use exemption by Canada, a party not operating under paragraph 1 of Article 5, and may wish to provide comments on the interim recommendation of the Technology and Economic Assessment Panel.</p>	<ul style="list-style-type: none"> • Note by the Secretariat on 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-sixth meeting (UNEP/OzL.Pro.WG.1/46/2, paras. 20 and 21) • Note by the Secretariat on 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-sixth meeting – Addendum (UNEP/OzL.Pro.WG.1/46/2/Add.1, paras. 80–87 and annex II) • Report of the Technology and Economic Assessment Panel, May 2024, Volume 2: Evaluation of 2024 Critical Use Nominations for Methyl Bromide and Related Issues – Interim Report
(b)	<p><i>Energy efficiency (decision XXXV/10)</i></p> <p>The Open-ended Working Group may wish to continue considering the topic of energy efficiency in the light of the response included in the 2024 progress report of the Technology and Economic Assessment Panel and recommend a way forward, as appropriate.</p>	<ul style="list-style-type: none"> • Note by the Secretariat on 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-sixth meeting (UNEP/OzL.Pro.WG.1/46/2, paras. 22–24) • Note by the Secretariat on 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-sixth meeting – Addendum (UNEP/OzL.Pro.WG.1/46/2/Add.1, paras. 88–95 and annex II) • Report of the Technology and Economic Assessment Panel, May 2024, Volume 1: Progress Report (section 6.3) • Note by the Secretariat on outcomes of the 2023 workshop on energy efficiency (UNEP/OzL.Pro.Workshop.12/3/Rev.1–UNEP/OzL.Pro.35/11/Rev.1)
(c)	<p><i>Panel membership changes</i></p> <p>The Open-ended Working Group will consider information about changes in the membership of the Technology and Economic Assessment Panel, together with the matrix of needed expertise.</p> <p>The Working Group may wish to consider the proposal and make any recommendation, as appropriate.</p>	<ul style="list-style-type: none"> • Note by the Secretariat on 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-sixth meeting (UNEP/OzL.Pro.WG.1/46/2, paras. 25 and 26) • Note by the Secretariat on 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-sixth meeting – Addendum

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(d)	<p><i>Any other issues</i></p> <p>The 2024 progress report of the Technology and Economic Assessment Panel contains information on various other issues.</p> <p>The Open-ended Working Group may wish to consider other issues related to the Panel's progress report that may be raised during the adoption of the agenda and included under this agenda sub-item.</p>	<p>(UNEP/OzL.Pro.WG.1/46/2/Add.1, paras. 96–101 and annexes III and IV)</p> <ul style="list-style-type: none"> • Report of the Technology and Economic Assessment Panel, May 2024, Volume 1: Progress Report (annex 5) • Matrix of needed expertise • Primer on the operation of the Technology and Economic Assessment Panel • Note by the Secretariat on 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-sixth meeting (UNEP/OzL.Pro.WG.1/46/2, para. 27) • Note by the Secretariat on 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-sixth meeting – Addendum (UNEP/OzL.Pro.WG.1/46/2/Add.1, paras. 102–115 and annex II) • Report of the Technology and Economic Assessment Panel, May 2024, Volume 1: Progress Report
Item 6 bis	Climate-friendly alternatives for metered-dose-inhalers (UNEP/OzL.Pro.35/12, para. 251)	<ul style="list-style-type: none"> • Report of the Thirty-Fifth Meeting of the Parties to the Montreal Protocol on Substances that Deplete the Ozone Layer (UNEP/OzL.Pro.35/12, part two, section III, para. 251) • Note by the Secretariat on 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-sixth meeting – Addendum (UNEP/OzL.Pro.WG.1/46/2/Add.1, paras. 107, 111 and 112 and annex II) • Note by the Secretariat on 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-sixth meeting – Addendum (UNEP/OzL.Pro.WG.1/46/2/Add.2, paras. 4–6) • Report of the Technology and Economic Assessment Panel, May 2023, Volume 1: Progress Report (section 5.9).
Item 7	Future availability of halons and their alternatives (UNEP/OzL.Pro.35/12, para. 159)	<ul style="list-style-type: none"> • Note by the Secretariat on 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-sixth meeting (UNEP/OzL.Pro.WG.1/46/2, paras. 28–30) • Note by the Secretariat on 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-sixth meeting – Addendum (UNEP/OzL.Pro.WG.1/46/2/Add.1, paras. 116–118 and annex II) • Report of the Thirty-Fifth Meeting of the Parties to the Montreal Protocol on Substances that Deplete the Ozone Layer (UNEP/OzL.Pro.35/12, part one, section XV, paras. 155–159) • Report of the Technology and Economic Assessment Panel, May 2022, Volume 1: Progress Report (chapter 3) • Technology and Economic Assessment Panel: 2022 Assessment Report

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		<ul style="list-style-type: none"> • Report of the Technology and Economic Assessment Panel, May 2024, Volume 1: Progress Report (chapter 3 and annex 1)
Item 8	Possible compliance deferral for Article 5, group 2 parties: technology review by the Technology and Economic Assessment Panel pursuant to paragraph 5 of decision XXVIII/2	
	<p>The Technology and Economic Assessment Panel will present its response to paragraph 5 of decision XXVIII/2 included in its 2024 progress report.</p> <p>The Open-ended Working Group may wish to consider that response and recommend a way forward, as appropriate.</p>	<ul style="list-style-type: none"> • Note by the Secretariat on 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-sixth meeting (UNEP/OzL.Pro.WG.1/46/2, paras. 31–33) • Note by the Secretariat on 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-sixth meeting – Addendum (UNEP/OzL.Pro.WG.1/46/2/Add.1, paras. 119–129) • Report of the Technology and Economic Assessment Panel, May 2024, Volume 1: Progress Report (chapter 8)
Item 9	Strengthening Montreal Protocol institutions, including combating illegal trade (decision XXXV/12 and UNEP/OzL.Pro.35/12, para. 188)	
	<p>The Open-ended Working Group may wish to consider the information presented in documents on combating illegal trade and other relevant issues, and take the discussion forward, as appropriate.</p>	<ul style="list-style-type: none"> • Note by the Secretariat on 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-sixth meeting (UNEP/OzL.Pro.WG.1/46/2, paras. 34–37) • Note by the Secretariat entitled “Compilation of information provided by parties on illegal trade practices and approaches taken by national authorities to identify and address such cases” (UNEP/OzL.Pro.WG.1/46/4) • Note by the Secretariat entitled “Information on illegal trade in and production and consumption of controlled substances reported by parties” (UNEP/OzL.Pro.WG.1/46/INF/3) • Note by the Secretariat entitled “Summary of the workshop on strengthening the effective implementation and enforcement of the Montreal Protocol” (UNEP/OzL.Pro/Workshop.11/3–UNEP/OzL.Pro.WG.1/45/6) • Report of the forty-fifth meeting of the Open-ended Working Group of the Parties to the Montreal Protocol on Substances that Deplete the Ozone Layer (UNEP/OzL.Pro.WG.1/45/8, section V, paras. 165–175)
Item 10	Emissions of HFC-23: potential changes to reporting form 3 for reporting on HFC-23 (decision XXXV/7, para. 3)	
	<p>The Open-ended Working Group may wish to consider the options for potential changes to reporting form 3, and take the discussion forward, as appropriate.</p>	<ul style="list-style-type: none"> • Note by the Secretariat on 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-sixth meeting (UNEP/OzL.Pro.WG.1/46/2, paras. 38 and 39) • Report of the Thirty-Fifth Meeting of the Parties to the Montreal Protocol on Substances that Deplete the Ozone Layer (UNEP/OzL.Pro.35/12, part one, section IX, paras. 90–95) • Note by the Secretariat on potential changes to reporting form 3 (paragraph 3 of decision XXXV/7) (UNEP/OzL.Pro.WG.1/46/3) • Scientific Assessment Panel: Scientific Assessment of Ozone Depletion 2022

<i>Agenda item</i>	<i>Title of the agenda item and brief description</i>	<i>Related documents and relevant remarks</i>
Item 10 bis	Proposal by Cuba on additional funding to support countries seriously affected by the coronavirus disease (COVID-19) pandemic and listed in decision XXXV/16	
	The Open-ended Working Group may wish to consider the proposal submitted by Cuba on additional funding to support countries seriously affected by the coronavirus disease (COVID-19) pandemic and listed in decision XXXV/16, and take the discussion forward, as appropriate.	<ul style="list-style-type: none"> Note by the Secretariat on 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-sixth meeting – Addendum (UNEP/OzL.Pro.WG.1/46/2/Add.2, paras. 7–9 and annex)
Item 11	Other matters	
	Participants are expected to consider any other issues that may be raised during the adoption of the agenda.	
Item 12	Adoption of the report of the meeting	
	The parties are expected to adopt the draft report of the meeting	
Item 13	Closure of the meeting	
	The meeting is expected to close by 6 p.m. Montreal standard time (UTC -5) on Friday, 12 July 2024.	