

A6.4-MEP011

Meeting report

Eleventh meeting of the Methodological Expert Panel

Version 01.0

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Place of meeting: Bonn, Germany



United Nations
Framework Convention on
Climate Change

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Agenda item 1. Agenda and meeting organization

Agenda item 1.1. Opening

1. The Co-Chair of the Methodological Expert Panel (MEP), Mr. Simon Fellermeyer, opened the eleventh meeting.
2. Table 1 shows attendance at the meeting (*italics indicate virtual attendance*).

Table 1. Attendance

Co-Chairs	Members
Mr. El Hadji Mbaye Diagne	Mr. Amr Osama Abdel-Aziz
Mr. Simon Fellermeyer	Ms. Enam Akoetey-Eyiah
	<i>Mr. Ruy Anaya de la Rosa</i>
	<i>Ms. Penelope Baalman</i>
	Mr. Daniel Cullenward
	Mr. Wojciech Galinski
	<i>Ms. Yaning Jin</i>
	Ms. Martha Ntabadde Kasozi
	Mr. Braulio Pikman
	Ms. Navjot Kaur Sandhu
	Mr. Lambert Schneider
	Mr. Samir Thapa
	Ms. Jessica Wade-Murphy de Jimenez
	Mr. Kenichiro Yamaguchi

Agenda item 1.2. Adoption of the agenda

3. The MEP adopted the meeting agenda, which was published as document A6.4-MEP011-AA.¹
4. The members and the Co-Chairs of the MEP made available statements of actual, potential or perceived conflicts of interest with respect to the agenda items of this meeting, as reflected on the United Nations Framework Convention on Climate Change (UNFCCC) Article 6.4 mechanism website.²

¹ See <https://unfccc.int/sites/default/files/resource/A6.4-MEP011-AA.pdf>.

² See <https://unfccc.int/process-and-meetings/bodies/constituted-bodies/article-64-supervisory-body/mep/meetings>.

Agenda item 2. Governance and management matters

Agenda item 2.1. Matters related to the Methodological Expert Panel

5. The MEP took note that the twelfth meeting of the MEP (MEP 012) will be held in Bonn, Germany, from 9 to 13 March 2026, and that the thirteenth meeting of the MEP (MEP 013) will be held in Bonn, Germany, from 13 to 17 April 2026.

Agenda item 2.2. Upcoming deadlines of relevance to stakeholders

6. The MEP took note of the deadline for stakeholders to submit proposed new methodologies and methodological tools for consideration at MEP 013, as published on the UNFCCC website.³

Agenda item 3. Regulatory matters

Agenda item 3.1. Requirements for methodologies

7. The MEP continued its consideration of the development of the documents related to methodologies and activity participants (see table 2) based on the “Standard: Application of the requirements of Chapter V.B (Methodologies) for the development and assessment of Article 6.4 mechanism methodologies” (document A6.4-STAN-METH-001)⁴ and as mandated by the Supervisory Body of the Article 6.4 mechanism in the MEP workplan for 2025 (document A6.4-INFO-GOV-021).⁵

Table 2. Status of methodological products

Type	Title	Status	Paragraph
Methodological tool	Analysis of lock-in risk	Call for public input	8
Standard	Demonstration of additionality in mechanism methodologies	Work in progress	9

8. The MEP considered the draft “Methodological tool: Analysis of lock-in risk”. The MEP agreed to seek input from stakeholders on the draft version of the methodological tool, as contained in annex 1 to this report. The MEP will analyse the input and consider it in the preparation of a draft methodological tool at its next meeting for consideration by the Supervisory Body.
9. The MEP considered the “Standard: Demonstration of additionality in mechanism methodologies” and agreed to revisit this agenda item based on the public input received on the draft “Methodological tool: Analysis of lock-in risk”.

³ See <https://unfccc.int/process-and-meetings/the-paris-agreement/paris-agreement-crediting-mechanism/methodologies#howtosubmit-methodologies>.

⁴ See <https://unfccc.int/sites/default/files/resource/A6.4-STAN-METH-001.pdf>.

⁵ See <https://unfccc.int/sites/default/files/resource/A6.4-INFO-GOV-021.pdf>.

Agenda item 3.2. Removals

10. The MEP continued its consideration of the development of the documents related to removals (see table 3), based on the “Standard: Requirements for activities involving removals under the Article 6.4 mechanism” (document A6.4-STAN-METH-002)⁶, and as mandated by the Supervisory Body for the MEP workplan for 2025 (document A6.4-INFO-GOV-021).⁷

Table 3. Status of methodological products on activities involving removals

Type	Title	Status	Paragraph
Methodological tool	Reversal risk assessment, including: a. Whether upper limits are needed in respect of the overall risk rating or specific risk factors within the tool, including options and science-based rationales for upper limit(s); b. Risk rating that constitutes a negligible risk; c. Any further categorization of risk; d. How remediation measures are taken into account in the risk assessment tool.	Work in progress	11
Concept note	Options for the implementation of paragraph 62 of the “Standard: Requirements for activities involving removals under the Article 6.4 mechanism”.	Work in progress	12

11. The MEP considered selected key risk types and possible approaches to the quantification of reversal risks and remediation measures in the draft “Methodological tool: Reversal risk assessment tool”. The MEP took note of the decision made at the seventh session of the Conference of Parties serving as the meeting of Parties to the Paris Agreement on further guidance to the work of the Supervisory Body to prioritize the development of methodologies and methodological tools required by the activities transitioning to the Article 6.4 mechanism. The MEP identified priority areas of work to support the development of methodologies for clean cooking and agreed to continue its work on the draft methodological tool at its next meeting.
12. The MEP considered the draft “Concept note: Options for the implementation of paragraph 62 of the ‘Standard: Requirements for activities involving removals under the Article 6.4 mechanism’” and agreed to continue working on the draft concept note at its next meeting. The current draft considers the three categories of options: measures to ensure the robustness and resilience of the Reversal Risk Buffer Pool; alternative measures to the Buffer Pool for remediation of reversals; and a Monetary Permanence Reserve as an alternative measure to the Buffer Pool.

⁶ See <https://unfccc.int/sites/default/files/resource/A6.4-STAN-METH-002.pdf>.

⁷ See footnote 5.

Agenda item 3.3. Revision of clean development mechanism methodologies and methodological tools

13. The MEP continued its consideration of the revision of the clean development mechanism (CDM) methodologies, methodological tools, methodological standards and methodological guidelines (see table 4).

Table 4. Status of the revision of CDM methodologies and methodological tools for the Article 6.4 mechanism

Type	Title	Status	Paragraph
CDM methodological tool	Tool to calculate the emission factor for an electricity system Baseline, project and/or leakage emissions from electricity consumption and monitoring of electricity generation	Recommendation	14 and 15
CDM methodological tool	Tool to determine the remaining lifetime of equipment	Recommendation	16
CDM methodology	ACM0002: Grid-connected electricity generation from renewable sources	Work in progress	17
CDM methodology	AMS-I.D.: Grid-connected renewable electricity generation	Work in progress	17
CDM methodology	AMS-II.G.: Energy efficiency measures in thermal applications of non-renewable biomass	Work in progress	1818
CDM methodology	AMS-I.E.: Switch from non-renewable biomass for thermal applications by the user	Work in progress	1818
CDM methodological tool	Calculation of the fraction of non-renewable biomass	Call for public input	1919
Standard	Sampling and surveys for CDM project activities and programmes of activities	Work in progress	2020
Guidelines	Sampling and surveys for CDM project activities and programmes of activities	Work in progress	2020
CDM methodological tool	Project and leakage emissions from biomass	Work in progress	2121

14. The MEP considered the draft “Methodological tool: Emissions from electricity generation and consumption” and took into account the comments received from stakeholders during the call for public input. The compilation of comments received from stakeholders is published on the UNFCCC website.⁸ The MEP agreed to recommend that the Supervisory Body adopt the methodological tool as contained in annex 2 to this report.
15. The MEP further seeks a mandate from the Supervisory Body to revise the tool referred to in paragraph 14 above annually, to incorporate the most recent data for the parameters $F_{OM, simple}$, $F_{OM, avg}$ and F_{BM} into the table in appendix 2 of the methodological tool and to update other relevant parameters or provisions where new data becomes available.
16. The MEP considered the draft “Methodological tool: Determination of the technical lifetime of equipment” and took into account the comments received from stakeholders during the call for public input. The compilation of comments received from stakeholders is published on the UNFCCC website.⁹ The MEP agreed to recommend that the Supervisory Body adopt the methodological tool as contained in annex 3 to this report.
17. The MEP, due to prioritization of the work on the draft “Methodological tool: Emissions from electricity generation and consumption”, did not consider the agenda item related to the revision of the methodologies “ACM0002: Grid-connected electricity generation from renewable sources” and “AMS-I.D.: Grid-connected renewable electricity generation” and agreed to continue working on the revision of these methodologies at its next meeting.
18. The MEP considered the revision of the CDM methodologies “AMS-II.G.: Energy efficiency measures in thermal applications of non-renewable biomass” and “AMS-I.E.: Switch from non-renewable biomass for thermal applications by the user”, together with the proposed mechanism methodology (PMM) “PMM004: Comprehensive Lowered Emission Assessment and Reporting (CLEAR) Methodology for Cooking Energy Transitions”, including potential approaches for assessing reversal risk under the clean cooking methodology. The MEP agreed to continue working on the revision of this agenda item at its next meeting.
19. The MEP considered the revision of the CDM “Methodological tool: Calculation of the fraction of non-renewable biomass”. The MEP agreed to seek input from stakeholders on a draft version of the “Methodological tool: Fraction of non-renewable biomass”, as contained in annex 4 to this report. The MEP will analyse the input and consider it in the preparation of an updated version of the draft methodological tool at its next meeting for consideration by the Supervisory Body.
20. The MEP considered the revision of the CDM “Standard: Sampling and surveys for CDM project activities and programmes of activities” and the CDM “Guidelines: Sampling and surveys for CDM project activities and programmes of activities” and agreed to continue working on these documents at its next meeting.
21. The MEP considered the revision of the CDM “Methodological tool: Project and leakage emissions from biomass”. The MEP agreed to continue working on the draft methodological tool at its next meeting.

⁸ See <https://unfccc.int/process-and-meetings/the-paris-agreement/article-6/article-64-pacm/stakeholder-engagement/calls-for-input/call-for-input-2025-mep-010-meeting-documents>.

⁹ See <https://unfccc.int/process-and-meetings/the-paris-agreement/article-6/article-64-pacm/stakeholder-engagement/calls-for-input/call-for-input-2025-mep-010-meeting-documents>.

Agenda item 3.4. Standards/tools for Article 6.4 activities

22. The MEP noted that 23 PMM submissions have been received, of which six submissions passed the initial assessment, as of 26 January 2026.
23. The MEP would like to thank the proponents of the PMM for their submissions received since the last meeting.
24. The MEP considered the PMMs, as shown in table 5 below. These submissions are considered by the MEP following the “Procedure: Development, revision and clarification of methodologies and methodological tools”.¹⁰

Table 5. Proposed new methodology submissions from stakeholders

Type	Title	Status	Paragraph
PMM001 (also referred to as A6.4-PNM001)	Production of Ammonia through electrolysis of water, air separation and synthesis of hydrogen and nitrogen	Work in progress	2525
PMM006	Fertilizer production with renewables-based ammonia	Work in progress	
PMM002 (also referred to as A6.4-PNM002)	N ₂ O abatement from nitric acid production	Work in progress	2626
PMM004 (also referred to as A6.4-PNM004)	Comprehensive Lowered Emission Assessment and Reporting (CLEAR) Methodology for Cooking Energy Transitions	Work in progress	2727
PMM005	Savanna Fire Management	Work in progress	2828

25. The MEP considered “PMM001: Production of Ammonia through electrolysis of water, air separation and synthesis of hydrogen and nitrogen” and “PMM006: Fertilizer production with renewables-based ammonia”. Further, the MEP considered the consolidation of these methodologies in accordance with the “Procedure: Development, revision and clarification of baseline and monitoring methodologies and methodological tools” and agreed to continue working on it at its next meeting. These PMMs are intended for projects that produce ammonia that is less carbon-intensive than conventional ammonia production, primarily with renewable electricity. The history of these bottom-up submissions can be viewed on the UNFCCC website.¹¹
26. The MEP considered PMM “PMM002: N₂O abatement from nitric acid production” and agreed to continue working on it at its next meeting. The PMM is intended for projects that

¹⁰ See <https://unfccc.int/sites/default/files/resource/A6.4-PROC-METH-001.pdf>.

¹¹ See <https://unfccc.int/process-and-meetings/the-paris-agreement/article-6/article-64-pacm/methodologies#submissions>.

reduce nitrous oxide (N₂O) emissions from the production of nitric acid. The history of this bottom-up submission can be viewed on the UNFCCC website.¹²

27. The MEP considered “PMM004: Comprehensive Lowered Emission Assessment and Reporting (CLEAR) Methodology for Cooking Energy Transitions” and agreed to continue working on the PMM at its next meeting. The PMM is intended for projects that aim to transition to efficient cooking technologies. The history of this bottom-up submission can be viewed on the UNFCCC website.¹³
28. The MEP considered “PMM005: Savanna Fire Management (SFM)” and agreed to seek further input from the methodology proponent. The MEP will continue working on the methodology at a future meeting. The PMM is intended for projects shifting savanna fire regimes from late dry season burning to early dry season burning. The history of this bottom-up submission can be viewed on the UNFCCC website.¹⁴

Agenda item 4. Relation with forums and other stakeholders

29. The MEP considered the comments received from stakeholders on the following agenda items that were considered at this meeting and thanked stakeholders for their comments:
 - (a) Draft “Methodological tool: Emissions from electricity generation and consumption”;¹⁵
 - (b) Draft “Methodological tool: Determination of the technical lifetime of equipment”;¹⁶
 - (c) PMM005: Savanna Fire Management (SFM);¹⁷ and
 - (d) PMM006: Fertilizer production with renewables-based ammonia.¹⁸

Agenda item 5. Conclusion of the meeting

30. The MEP expressed its appreciation to the outgoing Co-Chairs, Mr. El Hadji Mbaye Diagne and Mr. Simon Fellermeier, for their leadership and dedication in chairing the meetings since their appointments in 2024 and 2025, respectively.

¹² See <https://unfccc.int/process-and-meetings/the-paris-agreement/article-6/article-64-pacm/methodologies#submissions>.

¹³ See <https://unfccc.int/process-and-meetings/the-paris-agreement/article-6/article-64-pacm/methodologies#submissions>.

¹⁴ See <https://unfccc.int/process-and-meetings/the-paris-agreement/article-6/article-64-pacm/methodologies#submissions>.

¹⁵ See <https://unfccc.int/process-and-meetings/the-paris-agreement/article-6/article-64-pacm/stakeholder-engagement/calls-for-input/call-for-input-2025-mep-010-meeting-documents>.

¹⁶ See <https://unfccc.int/process-and-meetings/the-paris-agreement/article-6/article-64-pacm/stakeholder-engagement/calls-for-input/call-for-input-2025-mep-010-meeting-documents>.

¹⁷ See <https://unfccc.int/process-and-meetings/the-paris-agreement/article-6/article-64-pacm/methodologies#submissions>.

¹⁸ See <https://unfccc.int/process-and-meetings/the-paris-agreement/article-6/article-64-pacm/methodologies#submissions>.

31. The members of the MEP adopted the report of the eleventh meeting of the MEP. The report will be available on the UNFCCC website.¹⁹
32. The MEP Co-Chair, Mr. El Hadji Mbaye Diagne, closed the meeting.
33. The proceedings of the open sessions of the meeting were broadcast to allow stakeholders to follow the discussion.²⁰

¹⁹ See <https://unfccc.int/process-and-meetings/bodies/constituted-bodies/article-64-supervisory-body/mep/meetings>.

²⁰ See <https://www.youtube.com/playlist?list=PLBcZ22cUY9RLBQ1QqYzr6H-rudrZhS08M>.

Annexes to the report

- Annex 1 - Draft Methodological tool: Analysis of lock-in risk (version 01.0)
- Annex 2 - Draft Methodological tool: Emissions from electricity generation and consumption (version 02.0)
- Annex 3 - Draft Methodological tool: Determination of the technical lifetime of equipment (version 02.0)
- Annex 4 - Draft Methodological tool: Fraction of non-renewable biomass (version 01.0)

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