

A6.4-MEP013

Meeting report

Thirteenth meeting of the Methodological Expert Panel

Version 01.0

Date of meeting: 13 to 17 April 2026

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 Fellermeier, opened the thirteenth meeting.
2. The MEP welcomed two new members, Mr. Chetan Aggarwal and Ms. Olivia Tuchten.
3. Table 1 shows attendance at the meeting (*italics indicate virtual attendance*).

Table 1. Attendance

Co-Chairs	Members
Ms. Adriana Gutierrez	Mr. Amr Osama Abdel-Aziz
Mr. Simon Fellermeier	Mr. Braulio Pikman
	Mr. Chetan Aggarwal
	Mr. Daniel Cullenward
	Ms. Jessica Wade-Murphy de Jimenez
	Mr. Kenichiro Yamaguchi
	Mr. Lambert Schneider
	<i>Ms. Martha Ntabadde Kasozi</i>
	<i>Ms. Navjot Kaur Sandhu</i>
	Ms. Olivia Tuchten
	Mr. Ruy Anaya de la Rosa
	<i>Mr. Samir Thapa</i>
	Mr. Wojciech Galinski
	<i>Ms. Yaning Jin</i>

Agenda item 1.2. Adoption of the agenda

4. The MEP adopted the meeting agenda, which was published as document A6.4-MEP013-AA.¹
5. 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

Agenda item 2. Governance and management matters

Agenda item 2.1. Matters related to the Methodological Expert Panel

¹ See https://unfccc.int/sites/default/files/resource/A6.4_MEP013_AA.pdf.

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

6. The MEP took note that the fourteenth meeting of the MEP (MEP 014) will be held in Bonn, Germany, from 22 to 26 June 2026.

Agenda item 3. Regulatory matters

Agenda item 3.1. Proposed mechanism methodologies for Article 6.4 activities

7. The MEP noted that 39 proposed mechanism methodology (PMM) submissions have been received, of which seven passed the initial assessment, as of 17 April 2026.³
8. The MEP would like to thank the proponents of the PMMs for the submissions received since the last meeting.
9. The MEP considered the PMMs, as shown in table 2 below. These submissions are considered by the MEP following the “Procedure: Development, revision and clarification of methodologies and methodological tools” (A6.4-PROC-METH-001).⁴

Table 2. Proposed mechanism methodology submissions from stakeholders

Type	Title	Status	Paragraph
PMM002 (also referred to as A6.4-PNM002)	N ₂ O abatement from nitric acid production	Recommendation	10
PMM004 (also referred to as A6.4-PNM004)	Comprehensive Lowered Emission Assessment and Reporting (CLEAR) Methodology for Cooking Energy Transitions	Work in progress	11

10. The MEP considered the input received from stakeholders on the draft mechanism methodology: “PMM002: N₂O abatement from nitric acid production”. The compilation of input received from stakeholders was published on the UNFCCC website.⁵ The MEP agreed to recommend that the Supervisory Body adopt the draft mechanism methodology, as contained in [annex 1](#) to this report. The history of this bottom-up submission can be viewed on the UNFCCC website.⁶
11. The MEP considered the PMM submission “PMM004: Comprehensive Lowered Emission Assessment and Reporting (CLEAR) Methodology for Cooking Energy Transitions” (PMM004 submission) along with the revision of the clean development mechanism (CDM) methodology “AMS-I.E.: Switch from non-renewable biomass for thermal

³ See <https://unfccc.int/process-and-meetings/the-paris-agreement/article-6/article-64-pacm/methodologies#submissions>.

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

⁵ See <https://unfccc.int/process-and-meetings/the-paris-agreement/article-6/article-64-pacm/stakeholder-engagement/calls-for-input/mep012-meeting-documents>.

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

applications by the user". The MEP agreed to continue working on the PMM004 submission at its next meeting.⁷

Agenda item 3.2. Revision of methodological standards/methodological tools for Article 6.4 activities

12. The MEP considered the draft revision to mechanism methodology "A6.4-AMM-001: Flaring or use of landfill gas" and agreed to continue working on the draft mechanism methodology at its next meeting. The work is carried out in response to the mandate received at the nineteenth meeting of the Supervisory Body to revise the methodology to add reference to the recently approved "Methodological tool: Emissions from electricity generation and consumption" (A6.4-AMT-007) to update the calculation of baseline and project emissions from electricity generated and consumed, including how to determine the factor to account for transmission and distribution losses from the electric grid.⁸ The MEP agreed to seek a mandate to align the methodology with the other regulatory documents approved by the Supervisory Body.

Agenda item 3.3. Request for clarification of the mechanism methodologies/methodological tools for Article 6.4 activities

13. The MEP considered the request for clarification, as shown in table 3. The request is available on the UNFCCC website.⁹

Table 3. Status of request for clarification

Type	Title	Status	Paragraph
AMM_CLA_001	Applicability of A6.4-AMM-001 (ver. 01.0) for landfill projects with pre-existing passive gas collection system	Clarified	14

14. The MEP considered the request for clarification "AMM_CLA_001: Applicability of A6.4-AMM-001 (ver. 01.0) for landfill projects with pre-existing passive gas collection system", which seeks clarification whether the methodology is applicable to projects implemented in existing landfills that have installed a passive landfill gas (LFG) collection system in the baseline where monitored or historical data are not available, and how to determine the parameter $F_{CH_4,BL,y}$ (amount of LFG that would have been destroyed in the baseline) for such situations.¹⁰ The MEP agreed to recommend that the Supervisory Body approve the draft response to the request for clarification. The MEP agreed to seek a mandate to revise the mechanism methodology to incorporate the clarification following the decision by the Supervisory Body.

⁷ See <https://unfccc.int/process-and-meetings/the-paris-agreement/article-6/article-64-pacm/methodologies>.

⁸ See paragraph 11 of the nineteenth meeting report of the Supervisory Body available at <https://unfccc.int/sites/default/files/resource/A6.4-SBM019.pdf>.

⁹ See <https://unfccc.int/process-and-meetings/the-paris-agreement/article-6/article-64-pacm/methodologies#amm-amt-submissions-clarifications-revisions>.

¹⁰ See <https://unfccc.int/process-and-meetings/the-paris-agreement/article-6/article-64-pacm/mechanism-process/methodologies/a64-amm-001/v01.0-clarification-request>.

Agenda item 3.4. Revision of clean development mechanism methodologies and methodological tools

15. The MEP continued its consideration of the revision of the CDM methodologies, methodological tools, methodological standards, and methodological guidelines as shown in table 4.

Table 4. Status of the revision of CDM methodologies and methodological tools

Type	Title	Status	Paragraph
CDM methodology	ACM0002: Grid-connected electricity generation from renewable sources	Work in progress	16
CDM methodology	AMS-I.D.: Grid-connected renewable electricity generation	Work in progress	16
CDM methodology	AMS-II.G.: Energy efficiency measures in thermal applications of non-renewable biomass	Call for public input	17
CDM methodology	AMS-I.E.: Switch from non-renewable biomass for thermal applications by the user	Work in progress	20
Standard	Sampling and surveys for CDM project activities and programmes of activities	Work in progress	21
Guidelines	Sampling and surveys for CDM project activities and programmes of activities	Work in progress	21
CDM methodological tool	Sampling and surveys for Article 6.4 activities	Work in progress	22
CDM methodological tool	Project and leakage emissions from biomass	Work in progress	23
CDM methodological tool	Calculate project or leakage CO ₂ emissions from fossil fuel combustion	Work in progress	24

16. The MEP considered the revision of the CDM methodologies “ACM0002: Grid-connected electricity generation from renewable sources” and “AMS-I.D.: Grid-connected renewable electricity generation” and considered the input received from stakeholders on the “Draft mechanism methodology: Electricity generation from renewable sources connected to electricity systems”. The compilation of input received from stakeholders was published on the UNFCCC website.¹¹ The MEP made progress in addressing inputs, with remaining elements to be considered in future meetings, and agreed to continue working on the draft mechanism methodology at its next meeting.

¹¹ See <https://unfccc.int/process-and-meetings/the-paris-agreement/article-6/article-64-pacm/stakeholder-engagement/calls-for-input/mep012-meeting-documents>.

17. The MEP continued consideration of the revision of the CDM methodology “AMS-II.G.: Energy efficiency measures in thermal applications of non-renewable biomass” and agreed to seek input from stakeholders on the draft mechanism methodology, as contained in annex 2.
18. Further, in consideration of the revision of the CDM methodology “AMS-II.G.: Energy efficiency measures in thermal applications of non-renewable biomass” and agreed to seek a mandate from the Supervisory Body to:
- (a) Prepare the “Concept note: Revision of methodological standards and tools for application to programmes of activities”, noting the Supervisory Body’s earlier mandate to address large-scale crediting programmes;¹² and
 - (b) Revise any relevant methodological standards and tools to make them applicable to programmes of activities, including, inter alia, the following documents:
 - (i) “Standard: Setting the baseline in mechanism methodologies” (A6.4-STAN-METH-004);¹³
 - (ii) “Standard: Demonstration of additionality in mechanism methodologies” (A6.4-STAN-METH-003);¹⁴
 - (iii) “Standard: Addressing leakage in mechanism methodologies” (A6.4-STAN-METH-005);¹⁵
 - (iv) “Standard: Addressing suppressed demand in mechanism methodologies” (A6.4-STAN-METH-006);¹⁶
 - (v) “Standard: Addressing non-permanence and reversals in mechanism methodologies” (A6.4-STAN-METH-007);¹⁷
 - (vi) “Methodological tool: Common practice analysis” (A6.4-AMT-001);¹⁸ and
 - (vii) “Methodological tool: Investment analysis” (A6.4-AMT-002).¹⁹
19. The MEP recommended that the Supervisory Body request the secretariat to prepare a revised version of the following procedures for the consideration of the Supervisory Body, in consultation with the MEP, to include any provisions necessary to implement paragraph 101 of the draft mechanism methodology mentioned in paragraph 17 above. This paragraph refers to the application of the methodological tool under development to

¹² See table 1 of “Information note: Further work on the methodological products for the Article 6.4 mechanism” at <https://unfccc.int/sites/default/files/resource/a64-sb010-a05.pdf>.

¹³ See <https://unfccc.int/sites/default/files/resource/A6.4-STAN-METH-004.pdf>.

¹⁴ See <https://unfccc.int/sites/default/files/resource/A6.4-STAN-METH-003.pdf>.

¹⁵ See <https://unfccc.int/sites/default/files/resource/A6.4-STAN-METH-005.pdf>.

¹⁶ See <https://unfccc.int/sites/default/files/resource/A6.4-STAN-METH-006.pdf>.

¹⁷ See <https://unfccc.int/sites/default/files/resource/A6.4-STAN-METH-007.pdf>.

¹⁸ See <https://unfccc.int/sites/default/files/resource/A6.4-AMT-001-v01.0.pdf>.

¹⁹ See <https://unfccc.int/sites/default/files/resource/A6.4-AMT-002-v01.0.pdf>.

assess reversal risk, which will include a parameter $F_{buffer,t}$ that will determine the number of Article 6.4ERs to be contributed to the Reversal Risk Buffer Pool Account:

- (a) "Procedure: Article 6.4 mechanism registry" (A6.4-PROC-REGS-001);²⁰
 - (b) "Procedure: Article 6.4 activity cycle procedure for projects" (A6.4-PROC-AC-002);²¹ and
 - (c) "Procedure: Article 6.4 activity cycle procedure for programmes of activities" (A6.4-PROC-AC-003).²²
20. The MEP considered the revision of the CDM methodology "AMS-I.E.: Switch from non-renewable biomass for thermal applications by the user" and agreed to continue working on the draft revision at its next meeting together with the consideration of the PMM004 submission, as mentioned in paragraph 11 above.
 21. The MEP advanced its work on 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 following its agreement at MEP 012, agreed to continue working on the draft "Methodological tool: Sampling and surveys for Article 6.4 activities" and on the "Information note: Sampling and surveys requirements for designated operational entities".²³
 22. The current drafts of the "Methodological tool: Sampling and surveys for Article 6.4 activities" and the "Information note: Sampling and surveys requirements for designated operational entities" reflect substantive revisions including: (a) correction and harmonization of mathematical expressions and statistical notation; (b) alignment of confidence and precision requirements with the proposed default reliability levels; (c) clarification and strengthening of underlying assumptions, conditions, and methodological provisions; (d) streamlining of structure by consolidating generic sampling guidance and equations in the main body of the tool and refining appendices to focus on activity-specific applications; and (e) revision of examples and explanatory text to improve clarity and consistency.
 23. The MEP considered the revision of the CDM "Methodological tool: Project and leakage emissions from biomass" and agreed to continue working on the draft "Methodological tool: Project and leakage emissions from biomass" at its next meeting.
 24. The MEP considered the revision of the CDM "Methodological tool: Calculate project or leakage CO₂ emissions from fossil fuel combustion" and agreed to continue working on the draft methodological tool at its next meeting. The MEP agreed that the current draft needs further consideration of the sources of data for the determination of the default

²⁰ See <https://unfccc.int/sites/default/files/resource/A6.4-PROC-REGS-001.pdf>.

²¹ See <https://unfccc.int/sites/default/files/resource/A6.4-PROC-AC-002.pdf>.

²² See <https://unfccc.int/sites/default/files/resource/A6.4-PROC-AC-003.pdf>

²³ At its twelfth meeting, the MEP agreed to consolidate the provisions contained in 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" into a single "Methodological tool: Sampling and surveys for Article 6.4 activities". In addition, the MEP also agreed that the sampling requirements applicable to the designated operational entities have been separated into an "Information note: Sampling and surveys requirements for designated operational entities".

emission factors of the fossil fuels and the default factors for upstream emissions, including the consideration of uncertainty.

Agenda item 3.5. Removals

25. The MEP continued its consideration of the development of the documents related to removals as shown in table 5, based on the “Standard: Requirements for activities involving removals under the Article 6.4 mechanism” (A6.4-STAN-METH-002) and as mandated by the Supervisory Body for the MEP workplan for 2026.^{24,25}

Table 5. 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	26
Concept note	Options for the implementation of the requirements of paragraph 62 of the “Standard: Requirements for activities involving removals under the Article 6.4 mechanism”.	Work in progress	27

26. The MEP considered its work on the draft “Methodological tool: Reversal risk assessment tool”. It considered elements of the tool with a focus on their application to Article 6.4 activities that reduce the consumption of non-renewable biomass, such as clean cooking activities, and agreed to continue working on the draft methodological tool at its next meeting.
27. The MEP considered the draft “Concept note: Options for the implementation of the requirements of paragraph 62 of the ‘Standard: Requirements for activities involving removals under the Article 6.4 mechanism’” (A6.4-STAN-METH-002) and agreed to continue working on the draft concept note at its next meeting. The current draft considers measures to ensure the robustness and resilience of the Reversal Risk Buffer Pool Account; alternative measures for remediating reversals; the use of insurance policies, comparable guarantee products, or third-party guarantees during the post-crediting monitoring period; and risks of authorizing alternatives to the Reversal Risk Buffer Pool Account.

²⁴ See <https://unfccc.int/sites/default/files/resource/A6.4-STAN-METH-002.pdf>.

²⁵ See <https://unfccc.int/sites/default/files/resource/A6.4-INFO-GOV-029.pdf>.

Agenda item 4. Relation with forums and other stakeholders

28. The MEP considered the input received from stakeholders on the following agenda items and thanked stakeholders for their comments:
 - (a) Draft mechanism methodology: N₂O abatement from nitric acid production;²⁶ and
 - (b) Draft mechanism methodology: Electricity generation from renewable sources connected to electricity system.²⁷

Agenda item 5. Conclusion of the meeting

29. The members of the MEP adopted the report of the thirteenth meeting of the MEP. The report will be available on the UNFCCC website.²⁸
30. The MEP Co-Chair, Ms. Adriana Gutierrez, closed the meeting.
31. The proceedings of the open sessions of the meeting were broadcast to allow stakeholders to follow the discussion.²⁹

²⁶ See <https://unfccc.int/process-and-meetings/the-paris-agreement/article-6/article-64-pacm/stakeholder-engagement/calls-for-input/mep012-meeting-documents>.

²⁷ See <https://unfccc.int/process-and-meetings/the-paris-agreement/article-6/article-64-pacm/stakeholder-engagement/calls-for-input/mep012-meeting-documents>.

²⁸ See <https://unfccc.int/process-and-meetings/bodies/constituted-bodies/article-64-supervisory-body/mep/meetings>.

²⁹ See <https://www.youtube.com/playlist?list=PLBcZ22cUY9RLZq8c9ZIXelR0tpHIPZ0KH>.

Annexes to the report

Annex 1 - Draft mechanism methodology: N₂O abatement from nitric acid production (version 02.0)

Annex 2 - Draft mechanism methodology: Energy efficiency measures in household cooking (version 01.0)

Document information

<i>Version</i>	<i>Date</i>	<i>Description</i>
01.0	22 April 2026	A6.4-MEP 013 meeting report. Initial publication.

Decision Class: Operational
Document Type: Meeting report
Business Function: Governance
Keywords: MEP, reporting procedures
