

**A6.4-MEP012**

## Meeting report

---

# Twelfth meeting of the Methodological Expert Panel

Version 01.0

Date of meeting: 9 to 13 March 2026

Place of meeting: Bonn, Germany



<b>TABLE OF CONTENTS</b>		<b>Page</b>
<b>AGENDA ITEM 1.</b>	<b>AGENDA AND MEETING ORGANIZATION .....</b>	<b>3</b>
Agenda item 1.1.	Opening.....	3
Agenda item 1.2.	Adoption of the agenda.....	3
<b>AGENDA ITEM 2.</b>	<b>GOVERNANCE AND MANAGEMENT MATTERS .....</b>	<b>3</b>
Agenda item 2.1.	Matters related to the Methodological Expert Panel.....	3
Agenda item 2.2.	Upcoming deadlines of relevance to stakeholders.....	4
<b>AGENDA ITEM 3.</b>	<b>REGULATORY MATTERS .....</b>	<b>4</b>
Agenda item 3.1.	Requirements for methodologies.....	4
Agenda item 3.2.	Removals .....	5
Agenda item 3.3.	Revision of clean development mechanism methodologies and methodological tools .....	6
Agenda item 3.4.	Standards/tools for Article 6.4 activities.....	7
Agenda item 3.4.1.	Proposed mechanism methodologies.....	7
<b>AGENDA ITEM 4.</b>	<b>RELATION WITH FORUMS AND OTHER STAKEHOLDERS.....</b>	<b>9</b>
<b>AGENDA ITEM 5.</b>	<b>CONCLUSION OF THE MEETING .....</b>	<b>9</b>
<b>ANNEXES TO THE REPORT.....</b>		<b>10</b>

## Agenda item 1. Agenda and meeting organization

### Agenda item 1.1. Opening

1. The Co-Chair of the Methodological Expert Panel (MEP), Ms. Adriana Gutierrez, opened the twelfth meeting.
2. Table 1 shows attendance at the meeting (*italics indicate virtual attendance*).

**Table 1. Attendance**

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

### Agenda item 1.2. Adoption of the agenda

3. The MEP adopted the meeting agenda, which was published as document A6.4-MEP012-AA.<sup>1</sup>
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.<sup>2</sup>

## 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 thirteenth meeting of the MEP (MEP 013) will be held in Bonn, Germany, from 13 to 17 April 2026.

<sup>1</sup> See <https://unfccc.int/sites/default/files/resource/A6.4-MEP012-AA.pdf>.

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

## Agenda item 2.2. Upcoming deadlines of relevance to stakeholders

6. The MEP took note of the deadline for stakeholders to submit proposed mechanism methodologies and methodological tools, requests for revision and requests for clarification for consideration at MEP meetings in 2026, as published on the UNFCCC website.<sup>3</sup>

## 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”<sup>4</sup> and as mandated by the Supervisory Body of the Article 6.4 mechanism in the MEP workplan for 2026.<sup>5</sup>

**Table 2. Status of methodological products**

Type	Title	Status	Paragraph
<b>Tool</b>	Analysis of lock-in risk	Recommendation	8
<b>Standard</b>	Demonstration of additionality in mechanism methodologies	Recommendation	9
<b>Concept note</b>	Large-scale crediting programmes	Work in progress	10

8. The MEP considered the draft “Methodological tool: Analysis of lock-in risk” and took into account the comments received from stakeholders during the call for public input. The compilation of input received from stakeholders is published on the UNFCCC website.<sup>6</sup> The MEP agreed to recommend that the Supervisory Body adopt the draft methodological tool, as contained in [annex 1](#) to this report. Furthermore, the MEP seeks a mandate to further work on a revision of the methodological tool to include Article 6.4 activities involving retrofit, refurbishment, and the addition of new components to existing facilities.
9. The MEP considered the “Standard: Demonstration of additionality in mechanism methodologies” and agreed to recommend that the Supervisory Body adopt the draft revised standard, as contained in [annex 2](#) to this report. The proposed revision adds the following footnote to the paragraph 29(c): “The lowest GHG emitting technologies or practices may be specified at the mechanism methodology level, with proper justification.”
10. The MEP agreed to continue working on the “Concept note: Large-scale crediting programmes” to cover activities at jurisdictional, policy or sectoral scale at a future meeting. The rationale for the prioritization of PoAs is due to the significant volume of CDM PoAs transition requests submitted under the Article 6.4 mechanism. The MEP agreed to prioritize initially the development of PoA-specific requirements on existing methodological

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

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

<sup>5</sup> See <https://unfccc.int/sites/default/files/resource/A6.4-INFO-GOV-029.pdf>.

<sup>6</sup> See [Call for input 2026: MEP 011 meeting documents | UNFCCC](#).

standards and tools, in response to the mandates from SBM 016 (paragraph 13) and SBM 015 (paragraph 39)<sup>7</sup>. The MEP initiated its work to prepare a draft concept note titled “Revising methodological standards and tools for the application to PoAs”, and will propose revisions to the requirements of the following methodological standards and tools for PoA application: (a) Standard: Setting the baseline in mechanism methodologies, (b) Standard: Demonstration of additionality in mechanism methodologies, (c) Standard: Addressing leakage in mechanism methodologies, (d) Standard: Addressing suppressed demand in mechanism methodologies, (e) Standard: Standard: Addressing non-permanence and reversals in mechanism methodologies, (f) Methodological Tool: Common practice analysis, (g) Methodological Tool: Investment analysis. The MEP agreed to continue working on the draft concept note at its next meeting.

### Agenda item 3.2. Removals

11. 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”<sup>8</sup>, and as mandated by the Supervisory Body for the MEP workplan for 2026.<sup>9</sup>

**Table 3. Status of methodological products on activities involving removals**

Type	Title	Status	Paragraph
<b>Methodological tool</b>	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	12
<b>Concept note</b>	Options for the implementation of paragraph 62 of the “Standard: Requirements for activities involving removals under the Article 6.4 mechanism”	Work in progress	13

12. The MEP further advanced its work on the draft “Methodological tool: Reversal risk assessment”. It considered possible approaches to the categorization and quantification of selected reversal risk types and associated risk-mitigation measures. The MEP agreed to continue its work on the draft methodological tool at its next meeting.
13. The MEP considered the draft “Concept note: Options for the implementation of paragraph 62 of the ‘Standard: Requirements for activities involving removals under the

<sup>7</sup> See paragraph 39 of the SBM 015 meeting report available at <https://unfccc.int/sites/default/files/resource/A6.4-SBM015.pdf>, and paragraph 13 of the SBM 016 meeting report available at <https://unfccc.int/sites/default/files/resource/A6.4-SBM016.pdf>.

<sup>8</sup> See <https://unfccc.int/sites/default/files/resource/A6.4-STAN-METH-002.pdf>.

<sup>9</sup> See <https://unfccc.int/sites/default/files/resource/A6.4-INFO-GOV-029.pdf>.

Article 6.4 mechanism". It focused its discussions on safeguards and criteria for insurance and considerations for developing and managing a monetary permanence reserve that could serve as alternative measures to the reversal risk buffer pool account for remediation of reversals. The MEP agreed to continue its work on the draft concept note at its next meeting.

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

14. 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**

<b>Type</b>	<b>Title</b>	<b>Status</b>	<b>Paragraph</b>
<b>CDM methodology</b>	ACM0002: Grid-connected electricity generation from renewable sources	Call for public input	15
<b>CDM methodology</b>	AMS-I.D.: Grid-connected renewable electricity generation	Call for public input	15
<b>CDM methodology</b>	AMS-II.G.: Energy efficiency measures in thermal applications of non-renewable biomass	Work in progress	16
<b>CDM methodology</b>	AMS-I.E.: Switch from non-renewable biomass for thermal applications by the user	Work in progress	16
<b>CDM methodological tool</b>	Fraction of non-renewable biomass	Recommendation	17-18
<b>Standard</b>	Sampling and surveys for CDM project activities and programmes of activities	Work in progress	19
<b>Guidelines</b>	Sampling and surveys for CDM project activities and programmes of activities	Work in progress	19
<b>CDM methodological tool</b>	Project and leakage emissions from biomass	Work in progress	20

15. 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". The MEP agreed to seek input from stakeholders on the draft version of the methodologies, as contained in [annex 3](#) to this report. The MEP will analyse the inputs and consider it in preparation of an updated version of the draft mechanism methodology for consideration of the Supervisory Body.
16. 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”, and agreed to continue working on the draft mechanism methodology at its next meeting.
17. The MEP considered the draft “Methodological tool: Fraction of non-renewable biomass” and took into account the comments received from stakeholders during the call for public input. The compilation of input received from stakeholders is published on the UNFCCC website.<sup>10</sup> The MEP agreed to recommend that the Supervisory Body adopt the draft methodological tool, as contained in annex 4 to this report.
  18. Further, the MEP also seeks a mandate to:
    - (a) Revise the methodological tool as soon as possible to (i) include default values for  $f_{NRB}$  for further countries, and (ii) conduct further analysis of the potential to apply the MoFuSS default scenarios version or user-defined scenarios version; and
    - (b) Revise the methodological tool once new data and methods to calculate the fraction of non-renewable biomass become available, and update the uncertainty estimates of the default values for  $f_{NRB}$ , not later than three years after initial adoption of the methodological tool.
  19. The MEP also 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”. The MEP agreed to consolidate the provisions contained in these documents into a single tool “Methodological tool: Sampling and surveys for Article 6.4 activities”. In addition, the sampling requirements applicable to the designated operational entities have been separated into an “Information note: Sampling and surveys requirements for designated operational entities”.
  20. 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 at its next meeting, in particular on the eligibility conditions for the land of the dedicated plantation, addressing uncertainty in the calculation of the loss of soil organic carbon, confirmation of the alternative scenarios for the land use and biomass residues through common practice and investment analysis, and addressing leakage emissions from shift of pre project land uses.

### **Agenda item 3.4. Standards/tools for Article 6.4 activities**

#### **Agenda item 3.4.1. Proposed mechanism methodologies**

21. The MEP noted that 36 PMM submissions have been received, of which seven submissions passed the initial assessment, as of 13 March 2026.<sup>11</sup>
22. The MEP would like to thank the proponents of the PMM for their submissions received since the last meeting.

---

<sup>10</sup> See <https://unfccc.int/process-and-meetings/the-paris-agreement/article-6/article-6.4-pacm/stakeholder-engagement/calls-for-input/MEP011>.

<sup>11</sup> See <https://unfccc.int/process-and-meetings/the-paris-agreement/article-6/article-6.4-pacm/methodologies#submissions>.

23. The PMM submissions considered by the MEP at this meeting are shown in table 5 below. These submissions are considered by the MEP following the “Procedure: Development, revision and clarification of methodologies and methodological tools”.<sup>12</sup>

**Table 5. Proposed mechanism methodology submissions from stakeholders**

Type	Title	Status	Paragraph
<b>PMM002</b> (also referred to as A6.4-PNM002)	N <sub>2</sub> O abatement from nitric acid production	Call for public input	24
<b>PMM004</b> (also referred to as A6.4-PNM004)	Comprehensive Lowered Emission Assessment and Reporting (CLEAR) Methodology for Cooking Energy Transitions	Work in progress	25
<b>PMM007</b>	Recovery and plasma-based destruction of residual HFCs remaining in ISO tank containers	Work in progress	26

24. The MEP considered the PMM submission “PMM002: N<sub>2</sub>O abatement from nitric acid production”. The MEP noted that the methodology has been revised extensively, including changes to the baseline determination, downward adjustment and additionality demonstration compared to its original submission from the stakeholder, and agreed on an exceptional basis to launch a second call for input on the draft methodology, as contained in [annex 5](#) to this report.<sup>13</sup> The MEP will analyse the inputs and consider it in preparation of an updated version of the draft mechanism methodology for consideration of the Supervisory Body. The history of this bottom-up submission can be viewed on the UNFCCC website.<sup>14</sup>
25. The MEP considered the PMM submission “PMM004: Comprehensive Lowered Emission Assessment and Reporting (CLEAR) Methodology for Cooking Energy Transitions” and agreed to continue working on the draft mechanism methodology at its next meeting. The history of this bottom-up submission can be viewed on the UNFCCC website.<sup>15</sup>
26. The MEP considered the PMM submission “PMM007: Recovery and plasma-based destruction of residual HFCs remaining in ISO tank containers” and took into account the input received from stakeholders during the call for public input. The input received from stakeholders are published on the UNFCCC website.<sup>16</sup> The MEP agreed to continue

<sup>12</sup> See <https://unfccc.int/sites/default/files/resource/A6.4-PROC-METH-001.pdf>.

<sup>13</sup> As per Section 5.1.5 of the “Procedure: Development, revision and clarification of methodologies and methodological tools”, (version 01.1) available at <https://unfccc.int/sites/default/files/resource/A6.4-PROC-METH-001.pdf>, there is no process to launch a call for public input while finalising the recommendation for the consideration of the Supervisory Body.

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

<sup>15</sup> See <https://unfccc.int/process-and-meetings/the-paris-agreement/article-6/article-64-pacm/methodologies#submissions>.

<sup>16</sup> See <https://unfccc.int/process-and-meetings/the-paris-agreement/article-6/article-64-pacm/a64-methodologies/A6.4-PMM007>.

working on the draft mechanism methodology at a future meeting. The history of this bottom-up submission can be viewed on the UNFCCC website.<sup>17</sup>

## **Agenda item 4. Relation with forums and other stakeholders**

27. The MEP considered the input received from stakeholders on the following agenda items and thanked stakeholders for their comments:
- (a) Draft methodological tool: Analysis of lock-in risk;<sup>18</sup>
  - (b) Draft methodological tool: Fraction of non-renewable biomass;<sup>19</sup> and
  - (c) PMM007: Recovery and plasma-based destruction of residual HFCs remaining in ISO tank containers.<sup>20</sup>

## **Agenda item 5. Conclusion of the meeting**

28. The MEP expressed its sincere appreciation to the outgoing members, Ms. Enam Akoetey and Ms. Penelope Baalman, for their commitment, hard work and dedication to the work of MEP and acknowledged the significant contributions they have made over the years to methodological development.
29. The members of the MEP adopted the report of the twelfth meeting of the MEP. The report will be available on the UNFCCC website.<sup>21</sup>
30. The MEP Co-Chair, Mr. Simon Fellermeier, closed the meeting.
31. The proceedings of the open sessions of the meeting were broadcast to allow stakeholders to follow the discussion.<sup>22</sup>

---

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

<sup>18</sup> See <https://unfccc.int/process-and-meetings/the-paris-agreement/article-6/article-64-pacm/stakeholder-engagement/calls-for-input/MEP011>.

<sup>19</sup> See <https://unfccc.int/process-and-meetings/the-paris-agreement/article-6/article-64-pacm/stakeholder-engagement/calls-for-input/MEP011>.

<sup>20</sup> See <https://unfccc.int/process-and-meetings/the-paris-agreement/article-6/article-64-pacm/methodologies#submissions>.

<sup>21</sup> See <https://unfccc.int/process-and-meetings/bodies/constituted-bodies/article-64-supervisory-body/mep/meetings>.

<sup>22</sup> See <https://www.youtube.com/playlist?list=PLBcZ22cUY9RL5yUSbUo6hdJjOdNik8d3Y>.

## Annexes to the report

- Annex 1 - Draft Methodological tool: Analysis of lock-in risk (version 02.0)
- Annex 2 - Draft Standard: Demonstration of additionality in mechanism methodologies (version 02.0)
- Annex 3 - Draft Mechanism Methodology: Electricity generation from renewable sources connected to electricity systems (version 01.0)
- Annex 4 - Draft Methodological tool: Fraction of non-renewable biomass (version 02.0)
- Annex 5 - Draft Mechanism Methodology: N<sub>2</sub>O abatement from nitric acid production (version 01.0)

-----

### Document information

---

<i>Version</i>	<i>Date</i>	<i>Description</i>
01.0	17 March 2026	A6.4-MEP 012 meeting report. Initial publication.

---

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

---