

**CDM-MP92**

## Meeting report

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# Methodologies Panel ninety-second meeting

Version 01.0

Date of meeting: 4 to 6 October 2023

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 Chair of the Methodologies Panel (MP), Mr. Amjad Abdulla, opened the meeting.
2. The Chair and Vice-Chair welcomed Mr. Daniel Perczyk to the MP.
3. Table 1 below represents attendance at the meeting, which was held from 4 to 6 October 2023 in Bonn, Germany. Bold print indicates attendance, and italics indicates attendance was virtual.

Table 1. Attendance

Chair/Vice-Chair	Members
<i>Mr. Amjad Abdulla (Chair)</i>	<b>Mr. Amr Osama Abdel-Aziz</b>
<i>Ms. Natalie Kushko (Vice-Chair)</i>	<b>Mr. Braulio Pikman</b>
	<b>Mr. Daniel Perczyk</b>
	<b>Mr. Jean-Jacques Becker</b>
	<b>Mr. Kenichiro Yamaguchi</b>
	<i>Mr. Kishor Rajhansa</i>
	<b>Ms. Martha Kiwuwa Ntabadde</b>
	<b>Mr. Sudhir Sharma</b>
	<b>Mr. Thomas Grammig</b>
	<i>Ms. Yuko Nagata</i>

### Agenda item 1.2. Adoption of the agenda

4. The MP adopted the agenda of the meeting.
5. The MP considered information provided by members, the Chair and the Vice-Chair with respect to any potential conflict of interest. Statements on conflict of interest can be viewed on the United Nations Framework Convention on Climate Change (UNFCCC) clean development mechanism (CDM) website.<sup>1</sup>

## Agenda item 2. Governance and management matters

### Agenda item 2.1. Matters related to the Methodologies Panel

6. The MP took note of the outcome of the 119<sup>th</sup> meeting of the Executive Board of the CDM (hereinafter referred to as the Board).

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<sup>1</sup> <https://cdm.unfccc.int/Panels/meth/index.html>.

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

7. Project participants, designated national authorities and other stakeholders may note the following upcoming deadlines:
  - (a) The deadline for the submission of proposed new methodologies to be considered at MP 93 is eight weeks prior to the meeting;
  - (b) The deadline for the submission of requests for revision to be considered at MP 93 is eight weeks prior to the meeting;
  - (c) The deadline for the submission of requests for clarification to be considered at MP 93 is six weeks prior to the meeting.

## **Agenda item 3. Regulatory matters**

8. Information on cases, including their status, outcome and history, is made publicly available for standardized baselines, large-scale methodologies, methodological tools and small-scale methodologies on the UNFCCC CDM website.<sup>2</sup> For information related to large-scale methodologies and methodological tools, see the multiple links under the “Large-scale methodologies” heading. For information related to small-scale methodologies and methodological tools, see the multiple links under the “Small-scale methodologies” heading.
9. The relevant reference documents, “Procedure: Development, revision, clarification and update of standardized baselines” and “Procedure: Development, revision and clarification of baseline and monitoring methodologies and methodological tools”, are available on the UNFCCC CDM website.<sup>3</sup>
10. The MP took note that no top-down and bottom-up standardized baselines were proposed since its last meeting.
11. The MP took note of the update on the relevant regulatory matters finalized since the last meeting of the MP (MP 91):
  - (a) Fast track clarifications by the MP: “SSC\_840: Clarification on the timing and validity of the ex-ante measurement campaign under AMS-III.H.” and “AM\_CLA\_0308: Clarification on the applicability of ACM0017 for ethanol production in excess of mandatory regulations”;
  - (b) Relevant work carried out by consultants;
  - (c) Desk reviews.

## **Agenda item 3.1. Standards/tools**

### **(a). Standards for CDM project activities and programmes of activities**

12. The MP took note that no proposed standardized baselines were to be considered at this meeting.

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<sup>2</sup> <https://cdm.unfccc.int/methodologies/index.html>.

<sup>3</sup> <https://cdm.unfccc.int/Reference/Procedures/index.html>.

**(b). Methodological standards for large-scale CDM project activities**

**(i). New methodologies and tools (large-scale)**

13. The MP considered the new large-scale methodologies as shown in table 2 and, where applicable, took external expertise and public input into account.

**Table 2. Status of new large-scale methodologies**

Type	Submission	Title	Mandate	Status	Paragraph
<b>Methodology</b>	NM0384	Use of Light wood frame to replace and reduce the use of conventional masonry materials in construction of different types of buildings	Bottom-up submission	Work in progress	14

14. The MP considered the proposed new large-scale methodology “NM0384: Use of Light wood frame to replace and reduce the use of conventional masonry materials in construction of different types of buildings” and agreed to continue working on the proposed methodology at its next meeting. The proposed new methodology is intended for projects activities that replace the use of greenhouse gas-intensive conventional masonry materials with prefabricated light wood panels in the construction of different types of buildings. The history of this bottom-up submission can be viewed on the UNFCCC CDM website.<sup>4</sup>

**(ii). Revisions to approved methodologies and tools (large-scale)**

15. The MP considered the revisions to large-scale methodologies and methodological tools, as presented in table 3 below, and, where applicable, took external expertise and public input into account.

**Table 3. Status of revisions to new large-scale methodologies and tools**

Type	Submission	Title	Mandate	Status	Paragraph
<b>Methodology</b>	AM0046	Distribution of efficient light bulbs to households	EB116 report, para. 29	Approval and call for public input	16 (a)

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<sup>4</sup> <https://cdm.unfccc.int/methodologies/PAmethodologies/pnm/byref/NM0384>.

Type	Submission	Title	Mandate	Status	Paragraph
<b>Methodology</b>	AM0113	Distribution of compact fluorescent lamps (CFL) and light-emitting diode (LED) lamps to households	EB 116 report, para. 29	Approval and call for public input	16 (b)
<b>Tool</b>	TOOL27	Investment analysis	EB 116 report, para. 28	Approval and call for public input	17
<b>Methodology</b>	AM0009	Recovery and utilization of gas from oil fields that would otherwise be flared or vented	Bottom-up submission (AM_REV_263: Revision of AM0009 to expand its applicability to project activities utilizing associated gas to produce LNG)	Work in progress	18
<b>Methodology</b>	ACM0002	Grid-connected electricity generation from renewable sources	Bottom-up submission (AM_REV_265: Revision of ACM0002 to include grid-connected Long-Duration Pumped Storage Projects (LD PSP))	Work in progress	19
<b>TOOL</b>	TOOL07	Tool to calculate the emission factor for an electricity system	Bottom-up submission (REV_TOOL_0006: Revision of TOOL07 to include dispatch data analysis approach to calculate build margin emission factor)	Rejection	20

16. The MP recommended that the Board approve a top-down revision of the methodologies listed below. The work is being carried out in response to the mandate by the Board at EB 116 (EB 116 meeting report, paragraph 29) to review and, if needed, revise these methodologies to clarify eligible energy-efficient lighting technologies.

- (a) “AM0046: Distribution of efficient light bulbs to households”, as contained in annex 1 to this report. The MP also agreed to launch a call for public input on the draft revised methodology, and any input will be discussed with the MP and forwarded to the Board for its consideration;
  - (b) “AM0113: Distribution of compact fluorescent lamps (CFL) and light-emitting diode (LED) lamps to households”, as contained in annex 2 to this report. The MP also agreed to launch a call for public input on the draft revised methodology, and any input will be discussed with the MP and forwarded to the Board for its consideration.
17. The MP recommended that the Board approve the revised tool “TOOL27: Investment analysis”, as contained in annex 3 to this report. This revision is based on the mandate by the Board at EB 116 (EB 116 meeting report, para. 28) for editorial, consistency and structural improvement, in addition to the mandate to annually update the default values for the cost of equity. The MP also agreed to launch a call for public input on the draft revised tool, and any input will be discussed with the MP and forwarded to the Board for its consideration.
18. The MP considered the revised documentation provided by the submitter of “AM\_REV\_263: Revision of AM0009 to expand its applicability to project activities utilizing associated gas to produce LNG” and agreed to seek further clarification on the proposed changes.
19. The MP considered the proposed revision to the approved methodology “ACM0002: Grid-connected electricity generation from renewable sources” and agreed to continue working on the proposed revised methodology at its next meeting. The recommendation is based on the submissions “AM\_REV\_265: Revision of ACM0002 to include grid-connected Long-Duration Pumped Storage Projects (LD PSP)”. The history of this bottom-up submission can be viewed on the UNFCCC CDM website.<sup>5</sup>
20. The MP considered the proposed revision to the tool “TOOL07: Tool to calculate the emission factor for an electricity system” and agreed to reject the submission. The recommendation is based on the submission “REV\_TOOL\_0006: Revision of TOOL07 to include dispatch data analysis approach to calculate build margin emission factor”. The history of this bottom-up submission can be viewed on the UNFCCC CDM website.<sup>6</sup>
- (iii). Requests for clarification of methodologies and tools (large-scale)**
21. The MP considered the requests for clarification (large-scale) as shown in table 4. The requests are available on the UNFCCC CDM website.<sup>7</sup>

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<sup>5</sup> <https://cdm.unfccc.int/methodologies/PAmethodologies/revisions/80133>.

<sup>6</sup> <https://cdm.unfccc.int/methodologies/PAmethodologies/tools-revisions/66150>.

<sup>7</sup> <https://cdm.unfccc.int/methodologies/PAmethodologies/clarifications/pending>.

**Table 4. Status of requests for clarification (large-scale)**

Submission number	AM/AT	Title of request	Status	Paragraph
AM_CLA_0297	ACM0002	Clarification regarding application of ACM0002 for captive purpose	Clarified	22

22. The MP considered the request for clarification “AM\_CLA\_0297: Clarification regarding application of ACM0002 for captive purpose” (regarding ACM0002, ver. 21.0). The MP recommended that the Board approve the response to the request for clarification.

**(c). Methodological standards for small-scale CDM project activities**

**(i). New methodologies and tools (small-scale)**

23. The MP considered the new small-scale methodology as shown in table 5 and, where applicable, took external expertise and public input into account.

**Table 5. Status of new small-scale methodologies**

Type	Submission	Title	Mandate	Status	Paragraph
<b>Methodology</b>	SSC-NM109	Nitrogen as a Fuel Gas Replacement for Pneumatic Devices	Bottom-up submission	Work in progress	24

24. The MP considered the draft new small-scale methodology “SSC-NM109: Nitrogen as a Fuel Gas Replacement for Pneumatic Devices” and agreed to continue working on this agenda item at its next meeting. The proposed new methodology is intended for reducing emissions by replacing natural gas used to actuate pneumatic devices in gas and oil facilities by nitrogen. The history of this bottom-up submission can be viewed on the UNFCCC CDM website.<sup>8</sup>

**(ii). Revisions to approved methodologies and tools (small-scale)**

25. The MP considered revisions to small-scale methodologies and tools as shown in table 6.

**Table 6. Status of revisions to small-scale methodologies and tools**

Type	AM/AT	Title	Mandate/ submission	Status	Paragraph
<b>Methodology</b>	AMS-II.C.	Demand-side energy efficiency activities for specific technologies	EB 116 report, para. 29	Approval and call for public input	26 (a)

<sup>8</sup> <https://cdm.unfccc.int/methodologies/SSCmethodologies/pnm/byref/SSC-NM109>.



Type	AM/AT	Title	Mandate/ submission	Status	Paragraph
<b>Methodology</b>	AMS-II.J.	Demand-side activities for efficient lighting technologies	EB 116 report, para. 29	Approval and call for public input	26 (b)
<b>Methodology</b>	AMS-III.AR.	Substituting fossil fuel based lighting with LED/CFL lighting systems	EB 116 report, para. 29	Approval and call for public input	26 (c)
<b>Methodology</b>	AMS-III.D.	Methane recovery in animal manure management systems	EB 116 report, para. 33	Work in progress	27 (a)
<b>Methodology</b>	AMS-I.I.	Biogas/biomass thermal applications for households/ small users	EB 116 report, para. 33	Work in progress	27 (b)
<b>TOOL</b>	TOOL14	Project and leakage emissions from anaerobic digesters	EB 116 report, para. 33	Work in progress	27 (c)
<b>Methodology</b>	AMS-III.AU	Methane emission reduction by adjusted water management practice in rice cultivation	EB 118 report, para. 20	Work in progress	2828
<b>Methodology</b>	AMS-I.L.	Revision of AMS-I.L.: Electrification of rural communities using renewable energy	EB119 report, para. 35	Work in progress	29

26. The MP recommended that the Board approve the top-down revision of the methodologies listed below. The work is being carried out in response to the mandate by the Board at EB 116 (EB 116 meeting report, paragraph 29) to review and, if needed, revise these methodologies to clarify eligible energy-efficient lighting technologies.

- (a) “AMS-II.C.: Demand-side energy efficiency activities for specific technologies”, as contained in annex 4 to this report. The MP also agreed to launch a call for public

- input on the draft revised methodology, and any input will be discussed with the MP and forwarded to the Board for its consideration;
- (b) “AMS-II.J.: Demand-side activities for efficient lighting technologies”, as contained in annex 5 to this report. The MP also agreed to launch a call for public input on the draft revised methodology, and any input will be discussed with the MP and forwarded to the Board for its consideration;
  - (c) “AMS-III.AR.: Substituting fossil fuel-based lighting with LED/CFL lighting systems”, as contained in annex 6 to this report. The MP also agreed to launch a call for public input on the draft revised methodology, and any input will be discussed with the MP and forwarded to the Board for its consideration.
27. The MP considered and agreed to continue its work on the top-down revision of the following methodologies/tool to address fugitive methane emissions from biogas digesters and the use of updated Intergovernmental Panel on Climate Change methods, in response to a mandate from the Board at EB 116 (EB 116 report, para. 33):
- (a) “AMS-III.D.: Methane recovery in animal manure management systems”;
  - (b) “AMS-I.I.: Biogas/biomass thermal applications for households/small users”;
  - (c) “TOOL14: Project and leakage emissions from anaerobic digesters”.
28. The MP considered the review of the methodology “AMS-III.AU: Methane emission reduction by adjusted water management practice in rice cultivation” and agreed to continue its work at its next meeting. This revision is based on the mandate by the Board at EB 118 (EB 118 meeting report, para. 20) to identify and incorporate improvements based on published literature.
29. The MP considered a revision to the methodology “AMS-I.L.: Electrification of rural communities using renewable energy”, and agreed to continue its work at its next meeting. This revision is based on the mandate provided by the Board at EB 119 (EB 119 meeting report, para. 35).

**(iii). Requests for clarification of methodologies and tools (small-scale)**

30. The MP considered the clarifications (small scale) as shown in table 7. The requests are available on the UNFCCC CDM website.<sup>9</sup>

**Table 7. Status of requests for clarification (small-scale)**

Submission number	AM/AT	Title of request	Status	Paragraph
SSC_841	AMS-I.L.	Clarification on AMS-I.L. on inclusion of project emissions associated to fossil fuel consumption	Clarified	31

<sup>9</sup> <https://cdm.unfccc.int/methodologies/SSCmethodologies/clarifications/pending>.

31. The MP considered the request for clarification “SSC\_841: Clarification on AMS-I.L. on inclusion of project emissions associated to fossil fuel consumption”. The MP recommended that the Board approve the response to the request for clarification.

**Agenda item 3.1.1. Post-registration changes**

32. The MP took note that no requests for input to post-registration changes for large-scale and small-scale methodologies or tools were to be considered at this meeting.

**Agenda item 3.1.2. Deviations from approved methodologies and tools**

33. The MP took note that no requests for input to deviations related to large-scale and small-scale methodologies or tools were to be considered at this meeting.

**Agenda item 3.2. Other issues**

34. The MP continued considering the matter related to the development of subnational/regional values of fraction of non-renewable biomass (fNRB), in response to the mandate from the Board at its 116th meeting (EB 116 meeting report, para. 25), which requested the MP to develop these values by building on scientific studies and engaging external experts. Based on the inputs provided by the external experts, the MP prepared an information note, as contained in annex 7 to this report, which summarizes the approach used by the external experts in the development of fNRB values and the preliminary results of fNRB values for 43 countries in sub-Saharan Africa. The draft report of the external experts is available, as contained in the appendix to annex 7 to this report. The MP agreed to recommend that the Board take note of the information and provide further guidance. The MP also agreed to launch a call for public input on the approach adopted and proposal for improvement, and any inputs received will be considered by the MP for possible improvements to the work at its future meetings.

**Agenda item 4. Conclusion of the meeting**

35. The members of the MP adopted the MP 92 meeting report. The report and annexes will be available on the UNFCCC CDM website.
36. The Chair of the MP closed the meeting.

## Annexes to the report

- Annex 1 - AM0046: Distribution of efficient light bulbs to households.
- Annex 2 - AM0113: Distribution of Efficient lamps to households.
- Annex 3 - TOOL27: Investment analysis.
- Annex 4 - AMS-II.C.: Demand-side energy efficiency activities for specific technologies.
- Annex 5 - AMS-II.J.: Demand-side activities for efficient lighting technologies.
- Annex 6 - AMS-III.AR.: Substituting fossil fuel-based lighting with more efficient lighting systems.
- Annex 7 - Info note: Default values for fraction of non-renewable biomass (fNRB).

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### Document information

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