

CDM-MP94

Meeting report

Methodologies Panel 94th meeting

Version 01.0

Date of meeting: 6 to 8 May 2024

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), Ms. Natalie Kushko, opened the meeting.
2. Table 1 lists attendance at the meeting, which was held from 6 to 8 May 2024. Bold print indicates attendance at the meeting and italic print indicates that attendance was virtual.

Table 1. Attendance

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

Agenda item 1.2. Adoption of the agenda

3. The MP adopted the agenda of the meeting.
4. 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.¹

Agenda item 2. Governance and management matters

Agenda item 2.1. Matters related to the Methodologies Panel

5. The MP took note of the outcomes of the 121st meeting of the Executive Board of the CDM (hereinafter referred to as the Board) that were relevant to the MP.

Agenda item 2.2. Upcoming deadlines of relevance to stakeholders

6. The MP took note that its 95th meeting will be conducted virtually from 30 September to 2 October 2024.

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

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 95 is eight weeks prior to the meeting;
 - (b) The deadline for the submission of requests for revision to be considered at MP 95 is eight weeks prior to the meeting;
 - (c) The deadline for the submission of requests for clarification to be considered at MP 95 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 large-scale methodologies, methodological tools and small-scale methodologies on the UNFCCC CDM website.² 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 document “Procedure: Development, revision and clarification of baseline and monitoring methodologies and methodological tools” is available on the UNFCCC CDM website.³
10. The MP took note of the update on the relevant regulatory matters finalized since the last meeting of the MP (MP 93):
 - (a) There were no fast-track clarifications issued by the MP since the last meeting;
 - (b) Relevant work carried out by consultants.

Agenda item 3.1. Standards/tools

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

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

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

Table 2. Status of new large-scale methodologies and tools

Type	Submission	Title	Mandate	Status	Paragraph
Methodology	NM0383	Emission reduction through re-refining used lubricating oils	Bottom-up submission	Rejection	12

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

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

Type	Submission	Title	Mandate	Status	Paragraph
Methodology	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	13
Methodology	NM0386	GHG emission reductions through comprehensive animal manure management systems	Bottom-up submission	Work in progress	14

12. The MP recommended that the Board reject the proposed new large-scale methodology “NM0383: Emission reduction through re-refining used lubricating oils”. The reasons for the rejection are outlined in the “Form: New baseline and monitoring methodology recommendation form”. The history of this bottom-up submission can be viewed on the UNFCCC CDM website.⁴
13. 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, based on clarifications to be received from the proponent. The history of this bottom-up submission can be viewed on the UNFCCC CDM website.⁵
14. The MP considered the proposed new large-scale methodology “NM0386: GHG emission reductions through comprehensive animal manure management systems” and agreed to continue working on the proposed methodology at its next meeting with a view to consolidating it with “ACM0010: GHG emission reductions from manure management systems”. The history of this bottom-up submission can be viewed on the UNFCCC CDM website.⁶

(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 and, where applicable, took external expertise and public input into account.

⁴ <https://cdm.unfccc.int/methodologies/PAMethodologies/pnm/byref/NM0383>.

⁵ <https://cdm.unfccc.int/methodologies/PAMethodologies/pnm/byref/NM0384>.

⁶ <https://cdm.unfccc.int/methodologies/PAMethodologies/pnm/byref/NM0386>.

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

Type	Submission	Title	Mandate	Status	Paragraph
TOOL	TOOL27	Investment analysis	EB120 report para. 28	Approval	16
Methodology	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))	Approval	17
Methodology	ACM0016	Mass Rapid Transit Projects	Bottom-up submission (AM_REV_266: Inclusion of autonomous-rail rapid transit as one of the rail-based mass rapid transit systems)	Approval	18
Methodology	AM0123	Renewable energy generation for captive use	Bottom-up submission (AM_REV_267: Revision to methodology AM0123 to extend its applicability to project activities that supply electricity to third-party consumers or to consumers having shareholding patterns with the RE-generating firm)	Work in progress	19

16. The MP considered the top-down revision of “TOOL27: Investment analysis” (ver.13.0), as contained in annex 1 to this report, and agreed to recommend the tool for approval. The work was carried out as per the mandate provided by the Board at its 120th meeting (see paragraph 28 of the EB 120 meeting report).
17. The MP considered the revised documentation provided by the submitter of “AM_REV_265: Revision of ACM0002 to include grid-connected Long-Duration Pumped Storage Projects (LD PSP)” regarding the methodology “ACM0002: Grid-connected electricity generation from renewable sources” (ver. 21.0) and agreed to recommend that the Board approve the request for revision as contained in annex 2 to this report. The history of this bottom-up request can be viewed on the UNFCCC CDM website.⁷
18. The MP considered the revised documentation provided by the submitter of “AM_REV_266: Inclusion of autonomous-rail rapid transit as one of the rail-based mass

⁷ <https://cdm.unfccc.int/methodologies/PAMethodologies/revisions/80133>.

rapid transit systems” regarding the methodology “ACM0016: Mass Rapid Transit Projects” (ver. 05.0) and agreed to recommend the request for revision as contained in annex 3 to this report. The revision mainly entails the application of green hydrogen as a fuel for the mass transport system. The history of this bottom-up request can be viewed on the UNFCCC CDM website.⁸

19. The MP considered the revised documentation provided by the submitter of “AM_REV_267: Revision to methodology AM0123 to extend its applicability to project activities that supply electricity to third-party consumers or to consumers having shareholding patterns with the RE-generating firm” regarding the methodology “AM0123: Renewable energy generation for captive use” (ver. 01.0) and agreed to continue working on the request for revision at its next meeting based on clarifications to be received from the proponent. The history of this large-scale bottom-up request can be viewed on the UNFCCC CDM website.⁹

(iii). Requests for clarification of methodologies and tools (large scale)

20. The MP considered the request for clarifications on large-scale methodologies and tools shown in table 4. The requests are available on the UNFCCC CDM website.¹⁰

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

Submission number	AM/AT	Title of request	Status	Paragraph
AM_CLA_0313	AM0117	Clarification request about applicability criteria of the AM0117 methodology-Introduction of a new district cooling system	Clarified	21
AM_CLA_0314	AM0110	Applicability of AM0110 methodology for LPG transportation through pipeline	Clarified	22
AM_CLA_0315	ACM0011	Clarification on use of baseline fuel (coal and/or petroleum fuel) in the project scenario under ACM0011	Clarified	23

21. The MP considered the request for clarification “AM_CLA_0313: Clarification request about applicability criteria of the AM0117 methodology-Introduction of a new district cooling system” (regarding “AM0117: Introduction of a new district cooling system” (ver. 02.0)). The MP recommended that the Board approve the response to the request for clarification.
22. The MP considered the request for clarification “AM_CLA_0314: Applicability of AM0110 methodology for LPG transportation through pipeline” (regarding “AM0110: Modal shift in transportation of liquid fuels” (ver. 02.0)). The MP recommended that the Board approve the response to the request for clarification.

⁸ <https://cdm.unfccc.int/methodologies/PAmethodologies/revisions/45561>.

⁹ <https://cdm.unfccc.int/methodologies/DB/F0UCO5LLYB1LDTV8GCTJZKACTGUTQ>.

¹⁰ <https://cdm.unfccc.int/methodologies/PAmethodologies/clarifications/pending>.

23. The MP considered the request for clarification “AM_CLA_0315: Clarification on use of baseline fuel (coal and/or petroleum fuel) in the project scenario under ACM0011” (regarding “ACM0011: Fuel switching from coal and/or petroleum fuels to natural gas in existing power plants for electricity generation” (ver. 03.0)). The MP recommended that the Board approve the response to the request for clarification.

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

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

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

Table 5. Status of new small-scale methodologies and tools

Type	Submission	Title	Mandate	Status	Paragraph
Methodology	SSC-NM108	Emission reduction by application of Dry-cultivated Water-saving and Drought-resistance Rice (D-WDR) in rice cultivation	Bottom-up submission	Work in progress	25
Methodology	SSC-NM109	Nitrogen as a Fuel Gas Replacement for Pneumatic Devices	Bottom-up submission	Work in progress	26

25. The MP considered the feedback from the Board on the proposed new small-scale methodology “SSC-NM108: Emission reduction by application of Dry-cultivated Water-saving and Drought-resistance Rice (DWDR) in rice cultivation” and agreed to continue working on the proposed methodology at its next meeting based on clarifications to be received from the proponent. The history of this bottom-up submission can be viewed on the UNFCCC CDM website.¹¹

26. The MP considered the proposed new small-scale methodology “SSC-NM109: Nitrogen as a Fuel Gas Replacement for Pneumatic Devices” and agreed to continue working on the proposed methodology at its next meeting based on clarifications to be received from the proponent. The history of this bottom-up submission can be viewed on the UNFCCC CDM website.¹²

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

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

¹¹ <https://cdm.unfccc.int/methodologies/SSCmethodologies/pnm/byref/SSC-NM108>.

¹² <https://cdm.unfccc.int/methodologies/SSCmethodologies/pnm/byref/SSC-NM109>.

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

Type	AM/AT	Title	Mandate/ submission	Status	Paragraph
Methodology	AMS-III.D.	Methane recovery in animal manure management systems	EB 116 report, para. 33	Work in progress	28
Methodology	AMS-I.I.	Biogas/biomass thermal applications for households/small users	EB 116 report, para. 33	Work in progress	28
TOOL	TOOL14	Project and leakage emissions from anaerobic digesters	EB 116 report, para. 33	Work in progress	28
Methodology	ACM0010	GHG emission reductions from manure management systems	EB 116 report, para. 33	Work in progress	28
Methodology	AMS-III.AU	Methane emission reduction by adjusted water management practice in rice cultivation	EB 118 report, para. 20	Work in progress	29

28. The MP considered the proposed revised methodologies “AMS-III.D.: Methane recovery in animal manure management systems”, “AMS-I.I.: Biogas/biomass thermal applications for households/small users”, “TOOL14: Project and leakage emissions from anaerobic digesters” and “ACM0010: GHG emission reductions from manure management systems” and agreed to continue working on revision of the methodologies and the methodological tool at its next meeting.

29. The MP considered the proposed revision of small-scale methodology “AMS-III.AU: Methane emission reduction by adjusted water management practice in rice cultivation” and agreed to continue working on the revision at its next meeting.

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

30. The considered the request for clarifications on small-scale methodologies shown in table 7. The requests are available on the UNFCCC CDM website.¹³

¹³ <https://cdm.unfccc.int/methodologies/SSCmethodologies/clarifications/pending>.

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

Submission number	AM/AT	Title of request	Status	Paragraph
SSC_844	AMS-III.F.	Clarification on the applicability of AMS-III.F. for the use of insect larvae in composting processes	Clarified	31

31. The MP considered the request for clarification “SSC_844: Clarification on the applicability of AMS-III.F. for the use of insect larvae in composting processes” (regarding “AMS-III.F.: Avoidance of methane emissions through composting” (ver. 12.0)). 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 national, subnational and/or regional values for the fraction of non-renewable biomass (fNRB) that can be applied in methodologies for clean cooking, in response to the mandate from the Board at EB 116 (EB 116 report, para. 25) and EB 120 (EB 120 report, para. 25), which requested the MP to develop these values by building on scientific studies and engaging external experts.
35. In response to a call for inputs that was open from 28 November 2023 until 31 January 2024, a total of 50 responses were received. The secretariat produced an analysis of the inputs received, grouping them into several categories, as contained in annex 4 to this report. The readers are encouraged to consult the full submissions available on the UNFCCC website for a thorough understanding of the issues raised in the submissions.¹⁴
36. The MP considered each of the inputs received and thanked the stakeholders for the comprehensive inputs provided. The inputs included suggestions for revisions/clarifications on “Tool 30: Calculation of the fraction of non-renewable biomass”. Inputs were also received pertaining to characteristics of the model to estimate fNRB values, suggestions for improvements, including accounting for non-residential wood fuel demand, region-specific wood fuel consumption data, and biomass stock and growth functions. Some of the inputs also highlighted the need for location-specific fNRB values based on local/regional demand scenarios and requested clarity on transition timelines for adoption of new values, validity period and the process to follow to update the fNRB values, and clarity on review, validation and verification processes. Some inputs also

¹⁴ https://cdm.unfccc.int/public_inputs/2024/1101_01/index.html

highlighted the importance of adopting reliable and conservative fNRB values expeditiously to enhance the credibility of emission reductions achieved by the CDM cookstove projects.

37. The MP considered a revised report from experts addressing the above public inputs and provided feedback to them for further improvements. The MP agreed to consider the updated revised report from the experts electronically and launch it subsequently for a call for public input. The MP agreed to continue to consider this issue and make a recommendation to the Board at its next meeting.
38. The MP noted that five stakeholders submitted inputs responding to a call for public inputs on a possible revision of "ACM0002: Grid connected electricity generation from renewable sources" in relation to additionality demonstration for grid connected electricity generation activities. The call was open from 25 March to 22 April 2024. The MP considered the inputs received and its observations are included in the information note as contained in [annex 5](#) to this report.

Agenda item 4. Conclusion of the meeting

39. The MP adopted the report of MP 94. The report and annexes will be available on the UNFCCC CDM website.
40. The Chair of the MP closed the meeting.

Annexes to the report

Annex 1 - TOOL27: Investment analysis

Annex 2 - ACM0002: Grid-connected electricity generation from renewable sources

Annex 3 - ACM0016: Mass Rapid Transit Projects

Annex 4 - Information note: Stakeholder inputs on the review of clean cooking methodologies including estimation of fNRB values

Annex 5 - Information note: Compilation and summary of stakeholder inputs - revision of additionality-related provisions in “ACM0002: Grid-connected electricity generation from renewable sources”.

Document information

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