

CDM-MP93

Meeting report

Methodologies Panel ninety-third meeting

Version 01.0

Date of meeting: 13 to 15 February 2024

Place of meeting: Bonn, Germany



United Nations
Framework Convention on
Climate Change

TABLE OF CONTENTS		Page
AGENDA ITEM 1.	AGENDA AND MEETING ORGANIZATION	3
Agenda item 1.1.	Opening.....	3
Agenda item 1.2.	Adoption of the agenda.....	3
AGENDA ITEM 2.	GOVERNANCE AND MANAGEMENT MATTERS	3
Agenda item 2.1.	Matters related to the Methodologies Panel	3
Agenda item 2.2.	Upcoming deadlines of relevance to stakeholders.....	4
AGENDA ITEM 3.	REGULATORY MATTERS	4
Agenda item 3.1.	Standards/tools	5
Agenda item 3.1.1.	Post-registration changes	10
Agenda item 3.1.2.	Deviations from approved methodologies and tools	10
Agenda item 3.2.	Other issues	10
AGENDA ITEM 4.	CONCLUSION OF THE MEETING	11
ANNEXES TO THE REPORT.....		12

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 MP noted that Mr. Kishor Rajhansa was unable to attend this meeting and had provided proper justification for his absence.
3. Table 1 below represents attendance at the meeting, which was held from 13 to 15 February 2024. The names in bold print represent attendance at the meeting, and italics indicate that attendance was virtual.

Table 1. Attendance

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

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.¹

Agenda item 2. Governance and management matters

Agenda item 2.1. Matters related to the Methodologies Panel

6. The MP took note of the outcomes of the 120th meeting of the Executive Board of the CDM (hereinafter referred to as the Board) that were relevant to the MP.

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

Agenda item 2.2. Upcoming deadlines of relevance to stakeholders

7. The MP took note that the final dates of its 94th and 95th meeting (MP 94 and MP 95) will be decided at the 121st meeting of the Board in March 2024.
8. 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 94 is eight weeks prior to the meeting;
 - (b) The deadline for the submission of requests for revision to be considered at MP 94 is eight weeks prior to the meeting;
 - (c) The deadline for the submission of requests for clarification to be considered at MP 94 is six weeks prior to the meeting.

Agenda item 3. Regulatory matters

9. 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.
10. 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
11. The MP took note of the update on the relevant regulatory matters finalized since the last meeting of the MP (MP 92):
 - (a) Fast track clarifications by the MP:
 - (i) AM_CLA_0310: Clarification on applicability of ACM0002 and AM0123 to grid-connected renewable energy projects supplying electricity to a third-party consumer wherein consumer and producers are different entities;
 - (ii) CLA_TOOL_0049: Clarification on Interpretation of ‘N_{all}’ in Step 3 of CDM Tool 24 on Common practice;
 - (b) Relevant work carried out by consultants.

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

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

Agenda item 3.1. Standards/tools

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

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

12. The MP considered the new large-scale methodologies, as presented in table 2 below, 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	NM0382	Production of Geopolymer Cement	Bottom-up submission	Approval	13
Methodology	NM0383	Emission reduction through re-refining used lubricating oils	Bottom-up submission	Work in progress	14
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	15
Methodology	NM0385	Hazardous Oily Waste Remediation and Processing for Oil Recovery	Bottom-up submission	Rejection	16

13. The MP considered the proposed new large-scale methodology “NM0382: Production of Geopolymer Cement” as contained in annex 1 to this report, and agreed to recommend the methodology for approval. The methodology is applicable to project activities that produce geopolymer cement in either greenfield geopolymer cement plant(s) or retrofitted existing cement grinding-only plant(s) to displace Ordinary Portland Cement that would have otherwise been produced and used in the host country. The history of this bottom-up submission can be viewed on the UNFCCC CDM website.⁴
14. The MP considered the proposed new large-scale methodology “NM0383: Emission reduction through re-refining used lubricating oils” and agreed to continue working on the proposed methodology at its next meeting, based on clarifications to be received from the proponent. The proposed new methodology is intended for project activities for recycling used lubricating oil to produce re-refined base oil and displace virgin base oil in the host country. The history of this bottom-up submission can be viewed on the UNFCCC CDM website.⁵

⁴ <https://cdm.unfccc.int/methodologies/PAMethodologies/pnm/byref/NM0382>.

⁵ <https://cdm.unfccc.int/methodologies/PAMethodologies/pnm/byref/NM0383>.

15. 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 proposed new methodology is intended for project 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.⁶
16. The MP recommended that the Board reject the proposed new large-scale methodology “NM0385: Hazardous Oily Waste Remediation and Processing for Oil Recovery”. 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.⁷

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

17. 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
TOOL	TOOL27	Investment analysis	EB 120 report para. 28	Work in progress	18
Methodology	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)	Rejection	19
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	20

18. The MP initiated work on the top-down revision of the “TOOL27: Investment analysis” and agreed to continue working on this case at its next meeting. The work is being carried out in response to the mandate by the Board at EB 120 (EB 120 report, para. 28), where the

⁶ <https://cdm.unfccc.int/methodologies/PAMethodologies/pnm/byref/NM0384>.

⁷ <https://cdm.unfccc.int/methodologies/PAMethodologies/pnm/byref/NM0385>.

Board approved, as a major revision, the revised TOOL27 to update the default values for the cost of equity and requested the MP to continue its work to undertake editorial, consistency and structural improvements to the tool, taking into account the comments provided by the Board at its 120th meeting (EB 120), and make a recommendation at a future meeting of the Board.

19. 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” regarding the methodology “AM0009: Recovery and utilization of gas from oil fields that would otherwise be flared or vented” (ver. 07.0) and agreed to reject the proposed revision. The history of this large-scale bottom-up request can be viewed on the UNFCCC CDM website.⁸
20. 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 the Board to approve the request for revision as contained in annex 2 to this report. 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)

21. The MP considered the clarification (large scale) as presented in table 4 below. The request is 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_0311	AM0123	Clarification regarding the applicability of CDM methodology AM0123	Clarified	22
AM_CLA_0312	ACM0006 or ACM0018	Clarification on the applicability of ACM0006 or ACM0018 for a bioenergy project involving cultivation of miscanthus for biogas production and subsequent RE generation	Clarified	23
AM_CLA_0050	TOOL27	Clarification on the source of data for the calculation of the default values for Cost of Equity in “TOOL27: Investment Analysis” (ver. 13.0)	Clarified	24

⁸ <https://cdm.unfccc.int/methodologies/PAmethodologies/revisions/52406>.

⁹ <https://cdm.unfccc.int/methodologies/PAmethodologies/revisions/80133>.

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

22. The MP considered the request for clarification “AM_CLA_311: Clarification regarding the applicability of CDM methodology AM0123” (regarding AM0123 (ver. 01.0)). The MP recommended that the Board approve the response to the request for clarification.
23. The MP considered the request for clarification “AM_CLA_0312: Clarification on the applicability of ACM0006 or ACM0018 for bioenergy project involving cultivation of miscanthus for biogas production and subsequent RE generation” (regarding ACM0006 (ver. 16.0) or ACM0018 (ver. 06.0)). The MP recommended that the Board approve the response to the request for clarification.
24. The MP considered the request for clarification “CLA_TOOL_0050: Clarification on the source of data for the calculation of the default values for Cost of Equity in ‘TOOL27: Investment Analysis’ (regarding TOOL27 (ver. 13.0)) and clarified that the tool will be updated editorially at its next revision. 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)

25. The MP considered the new small-scale methodology as presented in table 5 below, 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	Approval	26
Methodology	SSC-NM109	Nitrogen as a Fuel Gas Replacement for Pneumatic Devices	Bottom-up submission	Work in progress	27

26. The MP recommended that the Board approve the draft new methodology “SSC-III.XX: Emission reduction by application of Dry-cultivated Water-saving and Drought-resistance Rice (DWDR) in rice cultivation”, as contained in [annex 3](#) to this report. The new methodology is intended for project activities that display water flooding in rice cultivation by shifting to a new cultivar. The history of this bottom-up submission can be viewed on the UNFCCC CDM website.¹¹
27. 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

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

the proponent. The history of this bottom-up submission is available on the UNFCCC CDM website.¹²

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

28. The MP considered the revision to small-scale methodologies and tools, as presented in table 6 below.

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

Type	AM/AT	Title	Mandate/ submission	Status	Paragraph
Methodology	AMS-I.L.	Electrification of rural communities using renewable energy	EB 119 report, para. 35	Approval and call for public input	29
Methodology	AMS-III.D.	Methane recovery in animal manure management systems	EB 116 report, para. 33	Work in progress	30(a)
Methodology	AMS-I.I.	Biogas/biomass thermal applications for households/small users	EB 116 report, para. 33	Work in progress	30(b)
TOOL	TOOL14	Project and leakage emissions from anaerobic digesters	EB 116 report, para. 33	Work in progress	30(c)
Methodology	AMS-III.AU	Methane emission reduction by adjusted water management practice in rice cultivation	EB 118 report, para. 20	Work in progress	31

29. The MP recommended that the Board approve the revised methodology “AMS-I.L.: Electrification of rural communities using renewable energy” (ver. 05.0), as contained in annex 4 to this report. This revision is based on the mandate from the Board at EB 119 (EB 119 report, para. 35) to revise the methodology to identify and incorporate improvements based on published literature. The MP also agreed to launch a call for public input on the draft revised methodology, and any input will be forwarded to the Board for its consideration.

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

30. The MP considered 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) and agreed to continue working on this at its next meeting:
- (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”.
31. The MP considered the top-down revision of the methodology “AMS-III.AU: Methane emission reduction by adjusted water management practice in rice cultivation”, in response to a mandate from the Board at EB 118 (EB 118 report, para. 20) and agreed to continue working on this at its next meeting.

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

32. The MP considered the clarifications (small scale) as presented in table 7 below. The requests are available on the UNFCCC CDM website.¹³

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

Submission number	AM/AT	Title of request	Status	Paragraph
SSC_842	AMS-II.G.	Clarification on the terminal efficiency of a charcoal-based project device under AMS-II.G.	Clarified	33

33. The MP considered the request for clarification “SSC_842: Clarification on the terminal efficiency of a charcoal-based project device under AMS-II.G.” (regarding AMS-III.G. (ver. 10.0)). The MP recommended that the Board approve the response to the request for clarification.

Agenda item 3.1.1. Post-registration changes

34. 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

35. 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

36. The MP continued considering the matter related to the development of national, subnational and/or regional values of the fraction of non-renewable biomass (fNRB), in response to the mandate from the Board at EB 116 (EB 116 report, para. 25) and

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

EB 120 (EB 120 report, para. 25), which requested the MP to develop these values by building on scientific studies and engaging external experts.

37. The MP noted that a total of 50 submissions were received from stakeholders in response to the call for public inputs that closed by 31 January 2024 and thanked stakeholders for their valuable inputs. Among other things, stakeholders suggested the use of more granular region/country-specific data for the residential wood fuel demand, population data and accounting for non-residential wood fuel consumption. The MP is reviewing each submission and will consider possible modifications to the approaches for fNRB determination under consideration. However, the MP noted that available data may be sparse with regard to non-residential wood fuel demand and encouraged stakeholders to submit relevant information and data for its consideration. The MP is also discussing bottom-up options that enable stakeholders to estimate region-specific values using a region-specific wood fuel demand value.
38. Based on the outcome of the above work, the MP will update the information note as per the mandate from the Board at EB 120, with an aim to make a recommendation to the Board at its next meeting.
39. The MP agreed to seek guidance from the Board on receiving public input on:
 - (a) Additionality-related issues to be considered in the potential revision to the “ACM0002: Grid-connected electricity generation from renewable sources”, specifically on revision of approaches used to demonstrate additionality for utility-scale grid-connected renewable energy power projects;
 - (b) The impact of renewable energy power plants that supply electricity to the grid for wheeling purposes on the grid emission factor calculations, and revise “TOOL07: Tool to calculate the emission factor for an electricity system” accordingly.

Agenda item 4. Conclusion of the meeting

40. The members of the MP adopted the report of MP 93. The report and annexes will be available on the UNFCCC CDM website.
41. The Chair of the MP closed the meeting.

Annexes to the report

- Annex 1 - NM0382: Production of Geopolymer Cement (ver. 01.0)
- Annex 2 - ACM0002: Grid-connected electricity generation from renewable sources (ver. 21.0)
- Annex 3 - SSC-III.XX: Emission reduction by application of Dry-cultivated Water-saving and Drought-resistance Rice (DWDR) in rice cultivation (ver. 01.0)
- Annex 4 - AMS-I.L.: Electrification of rural communities using renewable energy (ver. 05.0)

Document information

<i>Version</i>	<i>Date</i>	<i>Description</i>
01.0	4 March 2024	MP 93 meeting report Initial publication.

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