

CDM-MP78

Meeting report

Methodologies Panel seventy-eighth meeting

Version 01.0

Date of meeting: 26 February to 1 March 2019

Place of meeting: Bonn, Germany



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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	4
Agenda item 3.1.1.	Post-registration changes	11
Agenda item 3.1.2.	Deviations from approved methodologies and tools	11
Agenda item 3.2.	Other issues	11
AGENDA ITEM 4.	CONCLUSION OF THE MEETING	12
ANNEXES TO THE REPORT.....		13

Agenda item 1. Agenda and meeting organization

Agenda item 1.1. Opening

1. The Chair of the Methodologies Panel (MP), Mr. Martin Enderlin, opened the meeting.
2. The MP took note of the resignation of Mr. Daniel Perczyk, as member of the MP and showed its deep appreciation for his more than 14 years of outstanding service to the work of the MP and the Small-Scale Working Group.
3. Table 1 below, represents attendance at the meeting, which was held from 26 February to 1 March 2019. Names in bold print represent presence at the meeting.

Table 1. Attendance

Chair/vice-chair	Members
Mr. Martin Enderlin (Chair)	Mr. Ambachew Admassie
Mr. José Miguez (Vice-chair)	Mr. Amr Osama Abdel-Aziz
	Mr. Braulio Pikman
	Ms. Carolyn Luce
	Mr. Gilberto Bandeira de Melo
	Mr. Jean-Jacques Becker
	Ms. Jessica Wade-Murphy
	Mr. Kenichiro Yamaguchi
	Mr. Kishor Rajhansa
	Ms. Martha Kiwuwa Ntabadde
	Mr. Sudhir Sharma

Agenda item 1.2. Adoption of the agenda

4. The MP adopted the agenda with the addition of one clarification under agenda item 3.1 “Standards/tools”: “SSC_749: Clarification on the applicability of AMS I E version 09.0 for Induction cook stoves project in Nepal”.
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 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 101st meeting of the CDM Executive Board (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 noted that its seventy-ninth meeting (MP 79) is tentatively scheduled to be held from 6 to 9 May 2019.
8. Project participants, designated national authorities (DNAs) and other stakeholders may note the following upcoming deadlines:
 - (a) The deadline for the submission of proposed new methodologies to be considered at MP 79 is eight weeks prior to the meeting (tentatively 11 March);
 - (b) The deadline for the submission of requests for revision to be considered at MP 79 is eight weeks prior to the meeting (tentatively 11 March);
 - (c) The deadline for the submission of requests for clarification to be considered at MP 79 is six weeks prior to the meeting (tentatively 25 March).

Agenda item 3. Regulatory matters

9. 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.² For information related to large-scale methodological tools, see the multiple links under the “Large-scale methodologies” heading. For information related to small-scale methodologies, see the multiple links under the “Small-scale methodologies” heading.
10. 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.³
11. The MP took note of the overview of the top-down and proposed bottom-up standardized baselines.
12. The MP took note of the update on relevant work carried out by consultants and desk reviews finalized since the last meeting of the MP (MP 77).

Agenda item 3.1. Standards/tools

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

13. The MP considered the bottom-up proposed standardized baseline “PSB0046: Standardized Baseline for Improved Institutional Cookstoves in Ethiopia” and decided to request further input from the DNA.

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

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

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

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

14. The MP noted that no new large-scale methodologies or tools were to be considered at this meeting.

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

15. The MP considered the top-down revision of large-scale methodologies and tools, as presented in table 2 below and, where applicable, took external expertise and public input into account.

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

Issue	AM/AT	Mandate	Title of request	Status	Paragraph
Revision	AM0086	EB 100 report, para. 42	Make it consistent with the small-scale methodology AMS-III.AV	Approval	16
Revision	TOOL06	EB 99 report, para. 31	Include non-binding best-practice examples	Approval	17
Revision	TOOL30	EB 100 report, para. 48	Simplify application with regard to collection of data of biomass	Approval	18
Revision	ACM0001 ACM0014	EB 101 report, para. 31	Allow for the application of TOOL32	Call for public input/ approval	19
Revision	ACM0003	EB 101 report, para. 35	Project-specific fuel penalty	Work-in-progress/ seek mandate	20
Revision	AM0031 ACM0016	EB 101 report, para. 36	Cover changes to the number of vehicles retired	Call for public input/seek mandate	21
Revision	TOOL09	EB94 report, para. 39	Update default efficiency factors	Work in progress	22

16. The MP recommended that the Board approve the revision of the methodology “AM0086: Distribution of zero energy water purification systems for safe drinking water”, as contained in [annex 1](#) to this report. The revision was carried out in response to the mandate from the Board at its 100th meeting (EB 100 report, para. 42) to make it consistent with the small-scale methodology “AMS-III.AV: Low greenhouse gas emitting safe drinking water production systems”, as well as to amend the provisions on demonstration of additionality.

17. The MP recommended that the Board approve the revision of “TOOL06: Project emissions from flaring”, as contained in annex 2 to this report. The revision was carried out in response to the mandate from the Board at its ninety-ninth meeting (EB 99 report, para. 31) to revise the tool, in addition to the work of including non-binding best-practice examples.
18. The MP recommended that the Board approve the revision of “TOOL30: Calculation of the fraction of non-renewable biomass”, as contained in annex 3 to this report. The revision was carried out in response to the mandate from the Board at its 100th meeting (EB 100 report, para. 48) to clarify aspects related to collection of biomass data.
19. The MP agreed to launch calls for public input on the revision of the methodology “ACM0001: Flaring or use of landfill gas” and “ACM0014: Treatment of wastewater”, as contained in annex 4 and annex 5, respectively, to this report. If input is received, the input will be taken into account when preparing the recommendations to the Board. If no input is received, the MP recommends that the Board approve the revision of the methodologies. The work is being carried out in response to the mandate from the Board at its 101st meeting (EB 101 report, para. 31) to allow for the application of “TOOL32: Positive lists of technologies”.
20. In considering the proposed revision to “ACM0003: Partial substitution of fossil fuels in cement or quicklime manufacture”, based on the mandate from the Board at its 101st meeting (EB 101 report, para. 35) to introduce reference to “TOOL16: Project and leakage emissions from biomass”, the MP identified that the current provisions for the calculation of the project-specific fuel penalty may be punitive under certain situations, and are restricting the application of the methodology. Therefore, the MP agreed to seek a mandate from the Board to expand the mandate provided at its 101st meeting to further analyse the approach for the project-specific fuel penalty.
21. The MP agreed to launch a call for public input on the revision of the methodology “AM0031: Bus rapid transit projects”, as contained in annex 6 to this report. If input is received, the input will be taken into account when preparing the recommendation to the Board. The work is being carried out in response to the mandate from the Board at its 101st meeting (EB 101 report, para. 36) to cover situations where there are changes to the number of vehicles retired as a result of the increase in the population and the consequent increase in the demand for buses in the project city or region. In addition, the MP agreed to seek a mandate from the Board to revise “ACM0016: Mass Rapid Transit Projects” in order to improve consistency with AM0031.
22. The MP initiated discussion on the top-down revision of “TOOL09: Determining the baseline efficiency of thermal or electric energy generation systems”. This work is being carried out in response to the mandate from the Board at its ninety-fourth meeting (EB 94 report, para. 39) to update default efficiency factors based on publicly available information.

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

23. The clarifications on the below requests (large-scale) are available on the UNFCCC CDM website.⁴

⁴ <<https://cdm.unfccc.int/methodologies/PAMethodologies/clarifications/pending>>.

Table 3. Requests for clarification

Submission number	AM/AT	Title of the request	Status	Paragraph
AM_CLA_280	ACM0002	Clarifications on updating DATE _{BaselineRetrofit} of ACM0002 and on changing the grid emission factor calculation approach from ex post to ex ante	Clarified	24
AM_CLA_281	AM0120	Clarification request on the meaning of “new sales” in AM0120 and on the sorting method for obtaining 90th/80th percentile of baseline electricity consumption(EC) in the reference Tool 29	Clarified	25

24. The MP considered the request for clarification “AM_CLA_280: Clarifications on updating DATE_{BaselineRetrofit} of ACM0002 and on changing the grid emission factor calculation approach from ex post to ex ante”. The MP recommended that the Board approve the clarification.
25. The MP considered the request for clarification “AM_CLA_281: Clarification request on the meaning of “new sales” in AM0120 and on the sorting method for obtaining 90th/80th percentile of baseline electricity consumption(EC) in the reference Tool 29”. The MP recommended that the Board approve the clarification.

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

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

26. The MP considered the new methodological standards as presented in table 4 below and, where applicable, took external expertise into account.

Table 4. Status of consideration of new small-scale methodologies

Submissions/mandate	Title of request	Status	Paragraph
EB 101 report, para. 38	Efficient operation of public transport	Approval	27
SSC-NM-102	Greenhouse gas emission reduction methodology for online ride-hailing service	Approval	28
SSC-NM103	Trip avoidance through equipment improvement of cargo transport	Work-in-progress	29

27. The MP recommended that the Board approve the draft new methodology “AMS.III.XX: Efficient operation of public transport”, as contained in annex 7 to this report. This work was carried out in response to the mandate received from the Board at its 101st meeting (EB101 report, para. 38) to include simplified methods to reflect the secondary effects on the baseline during the crediting period, taking into account the suitability and adequacy of related parameters that are monitored.
28. The MP recommended that the Board approve the draft new methodology “SSC-III.XX: Ride-hailing services”, as contained in annex 8 to this report. The proposed new methodology is applicable for booking taxi and car-sharing services using a ride-hailing app. The recommendation is based on the submission “SSC-NM102: Greenhouse gas emission reduction methodology for online ride-hailing service” and further input provided by the proponent in response to the clarifications sought at MP 77. The history of this small-scale, bottom-up request can be viewed on the CDM UNFCCC website.⁵
29. The MP initiated discussion on the proposed new methodology “SSC-NM103: Trip avoidance through equipment improvement of cargo transport” and identified issues in the proposed new methodology that could be addressed with modifications. The MP requested the secretariat to communicate the issues to the proponent, which can be viewed on the CDM UNFCCC website.⁶

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

30. The MP considered the top-down and bottom-up revisions of small-scale methodologies and tools, as presented in table 5 below and, where applicable, took external expertise and public input into account.

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

Issue	AM/AT	Mandate	Title of request	Status	Paragraph
Revision	AMS-III.AV	EB 100 report, para. 42	Assess provisions on additionality	Approval	31
Revision	AMS-II.T	Revision request SSC_737	Additional options to calculate emission reductions due to RPC intervention at demand side	Approval	32
Revision	AMS-I.A	EB 101 report, para. 35	Introduce reference to TOOL16	Call for public input/ approval	33
Revision	AMS-I.C	EB 99 report, para. 28	Include non-binding, best-practice examples	Call for public input	34

⁵ <<https://cdm.unfccc.int/methodologies/index.html>>.

⁶ <<https://cdm.unfccc.int/methodologies/index.html>>.

Issue	AM/AT	Mandate	Title of request	Status	Paragraph
Revision	AMS-III.G AMS-III.H	EB 101 report, para. 31	Allow application of TOOL32	Call for public input/ approval	35
Revision	AMS-II.G AMS-I.E	EB 99 report, para. 28	Include non- binding, best- practice examples	Work in progress/ seek mandate	36

31. The MP recommended that the Board approve the revision of the methodology “AMS-III.AV: Low greenhouse gas emitting safe drinking water production systems”, as contained in [annex 9](#) to this report. The revision was carried out in response to the mandate from the Board at its 100th meeting (EB 100 report, para. 42) to amend provisions on the demonstration of additionality.
32. The MP recommended that the Board approve the revision of the methodology “AMS-II.T: Emission reduction through reactive power compensation in power distribution network”, as contained in [annex 10](#) to this report. The revision is based on the revision request “SSC_737: Additional options to calculate emission reductions due to RPC intervention at demand side”. In considering the proposal from the proponent, the MP excluded Option 3 (Emission reduction estimation using simplified method, in the revision request), as the proposed calculations will require further work to demonstrate the appropriateness of the approach.
33. The MP agreed to launch a call for public input on the revision of the methodology “AMS-I.A: Electricity generation by the user”, as contained in [annex 11](#) to this report. If input is received, the input will be taken into account when preparing the recommendation to the Board. If no input is received, the MP recommends that the Board approve the revision of the methodology. The work is being carried out in response to the mandate from the Board at its 101st meeting (EB 101 report, para. 35) to introduce reference to “TOOL16: Project and leakage emissions from biomass”.
34. The MP agreed to launch a call for public input on the revision of the methodology “AMS-I.C: Thermal energy production with or without electricity”, as contained in [annex 12](#) to this report. If input is received, the input will be taken into account when preparing the recommendation to the Board. The work is being carried out in response to the mandate from the Board at its ninety-ninth meeting (EB 99 report, para. 28) to include non-binding, best-practice examples.
35. The MP agreed to launch calls for public input on the revision of the methodologies “AMS-III.G: Landfill methane recovery” and “AMS-III.H: Methane recovery in wastewater treatment”, as contained in [annex 13](#) and [annex 14](#), respectively, to this report. If input is received, the input will be taken into account when preparing the recommendations to the Board. If no input is received, the MP recommends that the Board approve the revision of the methodologies. The work is being carried out in response to the mandate from the Board at its 101st meeting (EB 101 report, para. 31) to allow for the application of “TOOL32: Positive lists of technologies”.
36. The MP considered the top-down revision of the methodology “AMS-II.G: Energy efficiency measures in thermal applications of non-renewable biomass”. The work is being

carried out in response to the mandate from the Board at its ninety-ninth meeting (EB 99 report, para. 28) to include non-binding, best-practice examples. In preparing the non-binding best practice examples, the MP considered the issue of “stove stacking” (i.e. the use of pre-project or other non-project cooking devices during the implementation of the activity, particularly cooking appliances that do not use biomass as fuel). The MP considered that stove stacking requires further elaboration and accounting in the methodology. Therefore, the MP agreed to seek a mandate from the Board to revise AMS-II.G, to take stove stacking into account. The same issue of “stove stacking” also occurs in activities applying “AMS-I.E: Switch from non-renewable biomass for thermal applications by the user” and hence, for the same reason, the MP agreed to seek a mandate from the Board to revise AMS-I.E.

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

37. The clarifications on the below requests (small-scale) are available on the UNFCCC CDM website.⁷

Table 6. Requests for clarification

Submission number	AM/AT	Title of the request	Status	Paragraph
SSC_744	TOOL30, ver. 01.0	Clarification on the change from the default fNRB value to a new regional value under Tool 30	Clarified	38
SSC_745	AMS-I.E	Monitoring of the thermal energy generated (HGp,y)	Clarified	39
SSC_746	AMS-II.G and AMS-I.E	Clarification on end-user information in cookstove sales/distribution records under AMS-I.E and AMS-II.G	Clarified	40
SSC_747	AMS-I.C, ver. 20.0	Clarification on applicability of AMS-I.C. for the project to use the river water thermal energy with heat pump or heat exchanger	Clarified	41
SSC_748	AMS-I.F, ver. 02.0 ASB0040-2018	Applicability of AMS-I.F for an isolated electricity network system with limited import from a grid of neighboring country	Clarified/ seek guidance	42
SSC_749	AMS-I.E, ver. 09.0	Clarification on the applicability of AMS I E version 09.0 for Induction cook stoves project in Nepal	Clarified	43

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

38. The MP considered the request for clarification “SSC_744: Clarification on the change from the default fNRB value to a new regional value under Tool 30” (regards TOOL30, ver. 01.0). The MP recommended that the Board approve the clarification.
39. The MP considered the request for clarification “SSC_745: Monitoring of the thermal energy generated (HGp,y)” (regards AMS-I.E, not bound to a version). The MP recommended that the Board approve the clarification.
40. The MP considered the request for clarification “SSC_746: Clarification on end-user information in cookstove sales/distribution records under AMS-I.E and AMS-II.G” (regards AMS-II.G and AMS-I.E, not bound to a version). The MP recommended that the Board approve the clarification.
41. The MP considered the request for clarification “SSC_747: Clarification on applicability of AMS-I.C. for the project to use the river water thermal energy with heat pump or heat exchanger” (regards AMS-I.C, ver. 20.0). The MP recommended that the Board approve the clarification.
42. The MP considered the request for clarification “SSC_748: Applicability of AMS-I.F for an isolated electricity network system with limited import from a grid of neighboring country” (regards AMS-I.F ver. 02.0). The MP recommended that the Board approve the clarification. In doing so, the MP requested the Board to clarify whether the emission factor contained in the standardized baseline “ASB0040-2018: Grid emission factor for the Southern African power pool” may be applied to off-grid project activities implemented in a country that is not a member country of the Southern African power pool (SAPP) but imports electricity from the SAPP grid.
43. The MP considered the request for clarification “SSC_749: Clarification on the applicability of AMS I E version 09.0 for Induction cook stoves project in Nepal”. The MP recommended that the Board approve the clarification.

Agenda item 3.1.1. Post-registration changes

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

Agenda item 3.1.2. Deviations from approved methodologies and tools

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

Agenda item 3.2. Other issues

46. The MP recommended that the Board approve the package of items on the use of the CDM in urban sectors, covering: (a) guidelines for developing CDM projects in the urban context; (b) best-practice examples for inclusion in a programme of activities design document form template; and (c) standardization of parameters, as contained in [annex 15](#) to this report. The work was carried out in response to the mandate from the Board at its ninety-seventh meeting (EB 97 report, para. 26) to continue the work on the CDM in the urban context. The three mandated items, (a) to (c), are contained within the new guidelines.

47. The MP considered the information note “Analysis of levelized cost of electricity generation and penetration rates of different types of grid-connected solar PV and on-shore wind technologies”. The work is being carried out in response to the mandate from the Board at its 100th meeting (EB 100 report, para. 41) to prepare an information note with an analysis of levelized cost of electricity generation and penetration rates of different types of grid-connected solar PV and on-shore wind technologies and comparable fossil fuel technologies, applicable for the thresholds of the small-scale project activities and undertaken in Non-Annex I countries while considering representative and current information from a range of literature sources taking into account different national circumstances. The MP agreed to continue working on the information note.
48. The MP initiated discussion on the concept note “Market share, market saturation and penetration rate”. The work was carried out in response to the mandate from the Board at its 101st meeting (EB 101 report, para. 30) to build on the experience of the CDM in this area. The MP agreed to continue working on the concept note.
49. The MP agreed to seek a mandate from the Board to revise the large-scale methodology “ACM0006: Electricity and heat generation from biomass” to address inconsistencies and ambiguities in the language used therein. In addition, for consistency across biomass related methodologies, “AM0036: Fuel switch from fossil fuels to biomass residues in heat generation equipment” and “ACM0018: Electricity generation from biomass in power-only plants” should also be revised. Such revisions should take into account the experience and approaches of other mechanisms.

Agenda item 4. Conclusion of the meeting

50. The members of the MP adopted the report of MP 78. The report and annexes will be available on the UNFCCC CDM website.
51. The members of the MP expressed their deep appreciation to the outgoing Chair, Mr. Martin Enderlin, and Vice-chair, Mr. José Miguez, for their leadership and dedication in chairing the meetings.
52. The Chair of the MP closed the meeting.

Annexes to the report

- Annex 1 - AM0086: Distribution of zero energy water purification systems for safe drinking water
- Annex 2 - TOOL06: Project emissions from flaring
- Annex 3 - TOOL30: Calculation of the fraction of non-renewable biomass
- Annex 4 - ACM0001: Flaring or use of landfill gas
- Annex 5 - ACM0014: Treatment of wastewater
- Annex 6 - AM0031: Bus rapid transit projects
- Annex 7 - AMS.III.XX: Efficient operation of public transport
- Annex 8 - SSC-III.XX: Ride-hailing services
- Annex 9 - AMS-III.AV: Low greenhouse gas emitting safe drinking water production systems
- Annex 10 - AMS-II.T: Emission reduction through reactive power compensation in power distribution network
- Annex 11 - AMS-I.A: Electricity generation by the user
- Annex 12 - AMS-I.C: Thermal energy production with or without electricity
- Annex 13 - AMS-III.G: Landfill methane recovery
- Annex 14 - AMS-III.H: Methane recovery in wastewater treatment
- Annex 15 - Draft new Guideline: Use of the CDM in urban sectors

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Document information

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