CDM-MP82

Meeting report

Methodologies Panel eighty-second meeting

Version 01.0

Date of meeting: 15 to 17 June and 25 to 26 June 2020*

Place of meeting: Bonn, Germany

^{*} The meeting (held virtually) comprised of an opening plenary (15 to 17 June) and a closing plenary (25 to 26 June). As per the practice of the Methodologies Panel (MP), the MP members also participated in small group meetings on various agenda items for in-depth discussions held virtually from 18 to 19 June and from 22 to 24 June 2020.

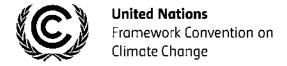


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Agenda item 1. Agenda and meeting organization

Agenda item 1.1. Opening

- 1. The Chair of the Methodologies Panel (MP), Mr. Frank Wolke, opened the meeting.
- 2. The MP noted that one member of the MP, Mr. Gilberto Bandeira de Melo, was unable to attend the meeting and provided proper justification for his absence.
- 3. Table 1 below represents attendance at the virtual meeting, which was held from 15 to 17 June and 25 to 26 June 2020. Names in bold print represent presence at the meeting.

Table 1. Attendance

Chair/Vice-Chair	Members
Mr. Frank Wolke (Chair)	Mr. Amr Osama Abdel-Aziz
Mr. José Domingos Miguez (Vice-Chair)	Mr. Braulio Pikman
	Ms. Gbemi Cassandra Jayesimi
	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
	Mr. Thomas Grammig
	Ms. Yuko Nagata

Agenda item 1.2. Adoption of the agenda

- 4. The MP adopted the agenda of the meeting with the removal of a request for clarification "AM_CLA_0285: Clarification on the monitoring requirements for a combination of alternative waste treatment options under ACM0022" (as it has been clarified as fast track) and with the addition of the following agenda items:
 - (a) Mandates from the Board:
 - (i) Concept note "Methodological approaches for calculating emission reductions from project activities, resulting in the reduced use of non-renewable biomass in households" and the improvement to the methodological tool "TOOL30: Calculation of the fraction of non-renewable biomass";
 - (ii) Revision of the "Glossary: CDM terms";

- (iii) Assessment of the regulatory provisions related to the change and/or addition of technologies/measures to a registered programme of activities (PoA);
- (iv) Review of the recommendation to the Board regarding "NM0378: Use of renewable sources of carbon instead of fossil sources in the production of thermoplastic resins and its components";
- (v) Revision of the methodologies "ACM0016: Mass Rapid Transit Projects" and "AM0031: Bus rapid transit projects";
- (vi) Analysis of the methodology "AM0027: Substitution of CO₂ from fossil or mineral origin by CO₂ from renewable sources in the production of inorganic compounds";
- (vii) Consideration of improvements within the large-scale methodology "ACM0022: Alternative waste treatment processes";
- (b) Bottom-up submissions:
 - (i) SSC_786: Clarification on monitoring of the number of utilization days for the project device under AMS-II.G.
- 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.

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 106th meeting of the CDM Executive Board (hereinafter referred to as the Board) that were relevant to the MP.

Agenda item 2.2. Upcoming deadlines of relevance to stakeholders

- 7. The MP noted that its eighty-third meeting (MP 83) is scheduled to be held from 3 to 6 November 2020.
- 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 83 is eight weeks prior to the meeting (tentatively 8 September);
 - b) The deadline for the submission of requests for revision to be considered at MP 83 is eight weeks prior to the meeting (tentatively 8 September);
 - c) The deadline for the submission of requests for clarification to be considered at MP 83 is six weeks prior to the meeting (tentatively 22 September).

Agenda item 3. Regulatory matters

- 9. Information on cases, including their status, outcome and history, is made publicly available for standardized baselines (SBs), large-scale methodologies, methodological tools and small-scale methodologies on the UNFCCC CDM website. 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.
- 11. The MP took note of the status of the top-down and proposed bottom-up SBs under development: 16 SBs are active as of 11 June 2020 and 32 SBs have expired.
- 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 panel (MP 81).

Agenda item 3.1. Standards/tools

- (a). Standards for CDM project activities and programmes of activities
- 13. The MP considered the draft standardized baselines as presented in table 2 below.

Table 2.	Status of	the standarized	baselines

Туре	Submission	Title	Status	Paragraph
Standardized baseline	PSB0054	Specific CO ₂ emissions in residential buildings (apartments except for district heating) in Republic of Korea	Forward for the approval of the Board	14
Standardized baseline	TSB0015	Baseline woody biomass consumption and fNRB for household cookstoves in Myanmar	Work in progress	15

- 14. The MP recommended to approve the proposed SB "PSB0054: Specific CO₂ emissions in Residential Buildings (apartments except for district heating) in Republic of Korea" and requested the secretariat to forward it for consideration by the Board, after receiving the agreement from the DNA of Republic of Korea. The proposed standardized baseline provides the specific carbon dioxide (CO₂) emissions per square meter separately for new and existing residential building units and is applicable to energy efficiency projects in buildings located in the Republic of Korea. The MP recommended the SB after making conservative adjustments for the values of new buildings in some of the climatic zones as compared to the version received from the proponent.
- 15. The MP considered the draft SB "TSB0015: Baseline woody biomass consumption and fNRB for household cookstoves in Myanmar". The work is based on the approval from the

Board at its 102nd meeting on the request by the DNA of Myanmar to develop a top-down SB. The SB is to provide default values for baseline woody biomass consumption and fraction of non-renewable biomass (fNRB) values for Myanmar which can be used by project activities/PoAs applying methodologies such as "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". The SB will be processed and concluded in accordance with the applicable procedures. The MP agreed to continue working on this SB.

- 16. The MP provided its views on possible modifications to the regulatory requirements related to changes to or additions of technologies through the post-registration (PRC) process. The MP noted that providing more examples, in particular from the previously concluded PRC cases approved or rejected by the Board could facilitate the understanding of the requirements. The secretariat will present such examples to the MP at its next meeting for further input, if any.
- (b). Methodological standards for large-scale CDM project activities
- (i). New methodologies and tools (large-scale)
- 17. The MP considered the new draft methodologies as presented in table 3 below.

Table 3. Status of the new methodologies

Submission	NM	Title of the request	Status	Paragraph
Methodology	NM0377	Energy saving through the use of the reverse osmosis technology in the water desalination process	Work in progress	18
Methodology	NM0378	Use of renewable sources of carbon instead of fossil sources in the production of thermoplastic resins and its components	Reject	19
Methodology	NM0379	Emission reduction from partial switching raw materials and increasing the share of additives in the blended cement production	Approval	20
Methodology	NM0380	Recovery of methane-rich vapours from hydrocarbon storage tanks, separators or stabilization containers	Work in progress	21

18. The MP considered the proposed new methodology "NM0377: Energy saving through the use of the reverse osmosis technology in the water desalination process" and agreed to continue working on this item. The new methodology covers project activities that involve the application of reverse osmosis technology in new desalination plants or in an expansion of capacity in an existing plant. In this regard, the MP would like to inform the Board that it made every effort to conclude the case within the three meetings of the MP, as recommended by the related procedures. However, the MP was of the opinion that the baseline approaches in the current draft of the new methodology are not sufficiently robust to enable its recommendation in spite of several rounds of iterations undertaken in

consultation with the proponent. A new approach for the baseline based on the consideration of all water desalination plants networked in the region could possibly provide a way forward. The MP found that additional time is reasonable considering the complexity of the issue. Therefore, the MP will consider the case with a view to concluding at its next electronic consultation or virtual or physical meeting. The history of the bottom-up submission can be viewed on the UNFCCC CDM website.¹

- 19. The MP recommended that the Board reject the proposed new methodology "NM0378: Use of renewable sources of carbon instead of fossil sources in the production of thermoplastic resins and its components". The proposed new methodology is intended for project activities producing thermoplastic resins and its components using renewable sources of carbon where, in the absence of the CDM project activity, fossil sources would be used. The reasons for the rejection are outlined in the "Form: New baseline and monitoring methodology recommendation form". The consideration of this case at this meeting is in response to the mandate by the Board at its 106th meeting (EB 106 report, para 37) to further analyse the methodology submission based on the feedback provided in the meeting. The history of the bottom-up submission can be viewed on the UNFCCC CDM website.²
- 20. The MP recommended that the Board approve the draft new methodology "AM00XX: Emission reduction from partial switching of raw materials and increasing the share of additives in the production of blended cement", as contained in annex1 of this report. The proposed new methodology is applicable to project activities that implement measures to use alternative raw materials that do not contain carbonates for clinker production in cement kilns and produce blended cement beyond usual practices in the region. The recommendation is based on the submission "NM0379: Emission reduction from partial switching raw materials and increasing the share of additives in the production of blended cement". The history of the bottom-up submission can be viewed on the UNFCCC CDM website.³
- 21. The MP considered the proposed new methodology "NM0380: Recovery of methane-rich vapours from hydrocarbon storage tanks, separators or stabilization containers" and agreed to continue working on this issue at its next meeting. The proposed new methodology is intended to be applied to projects that capture, recover and utilize and/or flare methane-rich vapours from storage tanks and degassing vessels. The history of this submission can be viewed on the UNFCCC CDM website.⁴

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

22. The MP considered the top-down revision of large-scale methodological standards, as presented in table 4 below, and, where applicable, took external expertise and public input into account.

https://cdm.unfccc.int/methodologies/PAmethodologies/pnm/byref/NM0377.

https://cdm.unfccc.int/methodologies/PAmethodologies/pnm/byref/NM0378.

³ <u>https://cdm.unfccc.int/methodologies/PAmethodologies/pnm/byref/NM0379</u>.

^{4 &}lt;u>https://cdm.unfccc.int/methodologies/PAmethodologies/pnm/byref/NM0380</u>.

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Table 4. Status of revisions of large-scale methodologies and tools

Issue	AM/AT	Mandate	Title of request	Status	Paragraph
Revision	AM0036	EB 102 report, para. 41	Fuel switch from fossil fuels to biomass residues in heat generation equipment	Work in progress	23
Revision	ACM0006	EB 102 report, para. 41	Electricity and heat generation from biomass	Work in progress	23
Revision	ACM0018	EB 102 report, para. 41	Electricity generation from biomass in power-only plants	Work in progress	23
Revision	ACM0003	EB 101 report, para. 35 and EB 102 report, para. 39	Introduce reference to TOOL16	Call for public input	24
Revision	ACM0016	EB 102 report, para. 40	Mass Rapid Transit Projects	Work in progress	25
Revision	AM0031	EB 106 report, para. 40	Bus rapid transit projects	Work in progress	26
Revision	AM0027	EB 106 report, para. 41	Substitution of CO2 from fossil or mineral origin by CO2 from renewable sources in the production of inorganic compounds	Seek for a mandate from the Board	27
Revision	ACM0022	N/A	Alternative waste treatment processes	Seek for a mandate from the Board	28

- 23. The MP considered the revision of the methodologies "AM0036: Fuel switch from fossil fuels to biomass residues in heat generation equipment", "ACM0006: Electricity and heat generation from biomass" and "ACM0018: Electricity generation from biomass in power-only plants" and agreed to continue working on the revisions at its next meeting. This work is being carried out in response to the mandate from the Board at its 102nd meeting (EB 102, para. 41) to revise the methodology ACM0006 to address inconsistencies and ambiguities in the language used therein, and to revise the methodologies AM0036 and ACM0018 to ensure consistency across biomass methodologies.
- 24. The MP agreed to launch a call for public input on the revision of the methodology "ACM0003: Partial substitution of fossil fuels in cement or quicklime manufacture" as contained in <u>annex 2</u> to this report. The MP agreed to continue considering this methodology at its next meeting. This work is being carried out in response to the mandate from the Board at its 101st meeting (EB 101 report, para. 35) to revise ACM0003 to introduce reference to "TOOL16: Project and leakage emissions from biomass". Further,

- the Board at its 102nd meeting (EB 102 report, para. 39) requested the MP to also consider issues in the methodology related to the fuel penalty.
- 25. The MP considered the top-down revision of the methodology "ACM0016: Mass Rapid Transit Projects" and agreed to continue working on this agenda item at its next meeting. This work is being carried out in response to the mandates by Board (i) at its 102nd meeting (EB 102 report, para. 40) to the revision of the methodology to improve consistency with methodology AM0031 approved by the Board, at its 102nd meeting, and (ii) at its 106th meeting to (EB 106 report, para. 40), to revise the methodologies ACM0016 and AM0031 to ensure consistency with the "Standard: Sampling and surveys for CDM project activities" and programmes of activities" and programmes of activities".
- 26. The MP considered the top-down revision of the methodology "AM0031: Bus Rapid Transit projects" and agreed to continue working on this agenda item at its next meeting. This work is being carried out in response to the mandate from the Board at its 106th meeting to (EB 106 report, para. 40) to revise methodologies ACM0016 and AM0031 to ensure consistency with the "Standard: Sampling and surveys for CDM project activities and programmes of activities" and the "Guideline: Guidelines for sampling and surveys for CDM project activities and programmes of activities".
- 27. The MP analysed the methodology "AM0027: Substitution of CO₂ from fossil or mineral origin by CO₂ from renewable sources in the production of inorganic compounds" and agreed to request the Board to provide a mandate to revise the methodology at its next meeting. The main points to improve the methodology are: clarify the source of baseline CO₂, expand the eligibility of sources of CO₂ in the baseline and address provisions that could potentially lead to claiming emission reductions from CO₂ sequestration. The work is being carried out in response to the mandate by the Board at its 106th meeting (EB 106 report, para. 41) to analyse methodology "AM0027: Substitution of CO₂ from fossil or mineral origin by CO₂ from renewable sources in the production of inorganic compounds".
- 28. The MP recommended that the Board provide a mandate to the MP to revise the methodology "ACM0022: Alternative waste treatment processes". The recommendation is based on several bottom-up submissions for clarifications related to this methodology. The revision will address inconsistencies and ambiguities in the language used in some parts of the methodology.
- (iii). Requests for clarification of methodologies and tools (large-scale)
- 29. The MP took note that no clarifications for large-scale methodologies and tools were to be considered at this meeting.
- (c). Methodological standards for small-scale CDM project activities
- (i). New methodologies and tools (small-scale)
- 30. The MP considered the new small-scale methodological standards presented in table 5 below and, where applicable, took external expertise into account.

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

Submission	Title of the request	Status	Paragraph
SSC-NM105	Switch from non-renewable biomass for	Work in	31
	electric cooking applications by the user	progress	

31. The MP considered the draft new methodology "SSC-NM105: Switch from non-renewable biomass for electric cooking applications by the user" and agreed to continue working on this agenda item at its next meeting. The project activities that disseminate electric cooking appliances and source electricity from the grid to power the cookstoves, aim to apply this methodology. The history of this small-scale bottom-up request can be viewed on the UNFCCC CDM website.⁵

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

32. The MP considered the revisions to small-scale methodological standards, as presented in table 6 below, and, where applicable, took external expertise and public input into account.

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

Issue	AM/AT	Mandate	Title of request	Recommendation	Paragraph
Revision	AMS-I.E	EB 105 report, para. 42	Elaborate on requirements to account for stove-stacking	Work in progress	33
Revision	AMS.II-G	EB 105 report, para. 42	Elaborate on requirements to account for stove-stacking	Work in progress	33
Revision	AMS-II.E	EB 103 report, para. 35	Energy efficiency and fuel switching measures for buildings	Approval	34
Revision	AMS- III.AR	N/A	Substituting fossil fuel- based lighting with LED/CFL lighting systems	Approval	35
Revision	TOOL30	EB 106 report, para. 27	Calculation of the fraction of non-renewable biomass	Work in progress	36

33. The MP considered the top-down revision of the methodologies "AMS-I.E: Switch from non-renewable biomass for thermal application by the user" and "AMS-II.G: Energy efficiency measures in thermal applications of non-renewable biomass" and agreed to continue working on these methodologies at its next meeting. The work is being carried out in response to the mandate from the Board at its 105th meeting (EB 105 report, para. 42) at which it requested the MP to continue working on the issue of stove stacking. In

https://cdm.unfccc.int/methodologies/SSCmethodologies/pnm/byref/SSC-NM105.

- addition, it incorporates issues addressed in the request for clarification SSC_780 mentioned under paragraph 38 below.
- 34. The MP recommended that the Board approve the revision of the methodology "AMS-II.E: Energy efficiency and fuel switching measures for buildings" as contained in annex 3 to this report. The work was carried out in response to the mandate from the Board at its 103rd meeting (EB 103 report, para. 35) to revise the methodology to include methods and equations to calculate emission reductions for projects that do not apply "TOOL31: Determination of standardized baselines for energy efficiency measures in residential, commercial and institutional buildings".
- 35. The MP recommended that the Board approve the bottom-up revision of the methodology "AMS-III.AR: Substituting fossil fuel-based lighting with LED/CFL lighting systems", as contained in annex 4 to this report. The revision is based on the bottom-up submission "SSC_783: Revision to include an option for project lamps that have multiple charging methods under AMS-III.AR" (regarding AMS-III.AR ver. 6.0) and provides specific guidance to determine project emissions for activities involving more than one source of electricity to charge the battery of project lamps (e.g. solar and grid). The history of the bottom-up submission can be viewed on the UNFCCC CDM website.⁶
- 36. The MP considered the revision of the methodological tool "TOOL30: Calculation of the fraction of non-renewable biomass" and agreed to continue working on this revision at its next meeting. The work is being carried out in response to the mandate from the Board at its 106th meeting (EB 106 report, para. 27) in which it considered the concept note "Methodological approaches for calculating emission reductions from project activities, resulting in the reduced use of non-renewable biomass in households" in response to decision 2/CMP.15, paragraph 8, and requested the MP and the secretariat to facilitate and streamline the application of "TOOL30: Calculation of the fraction of non-renewable biomass".

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

37. The clarifications on the small-scale requests are presented in table 7 below and are available on the UNFCCC CDM website.⁷

Table 7.	Status of the request	for alarification a	f methodologies and tools
Table 7.	Status of the requests	s tor clarification o	t methodologies and tools

Submission number	AM/AT	Title of the request	Status	Paragraph
SSC_780	AMS-I.E ver. 10.0	Clarification on the applicability of electric cooking projects in three different situations under AMS-I.E	Clarified	38

⁶ https://cdm.unfccc.int/methodologies/SSCmethodologies/clarifications/00675.

https://cdm.unfccc.int/methodologies/SSCmethodologies/clarifications/pending.

Submission number	AM/AT	Title of the request	Status	Paragraph
SSC_781	AMS-II.G ver. 10.0	Clarification on the validity and applicability of monitoring survey results under AMS-II.G	Clarified	39
SSC_784	AMS-III.C ver. 15.0	Clarification on market share and double counting under AMS-III.C	Clarified	40
SSC_785	AMS-I.I. ver. 4 AMS-I.C ver. 21 and AMS-I.E ver. 10	Clarification on applicability of AMS-I.C., AMS-I.E. and AMS-I.I. to a fuel-switch project involving renewable biochar displacing non-renewable biomass in the context of household cooking	Clarified	41
SSC_786	AMS-II.G ver. 6	Clarification on monitoring of the number of utilization days for the project device under AMS-II.G	Clarified	42

- 38. The MP considered the request for clarification "SSC_780: Clarification on the applicability of electric cooking projects in three different situations under AMS-I.E" (regarding AMS-I.E ver. 10.0). The MP recommended that the Board approve the response to the request for clarification. The issues addressed in the clarification request will be incorporated in the proposed revision of AMS-I.E as mentioned under paragraph 33 above.
- 39. The MP considered the request for clarification "SSC_781: Clarification on the validity and applicability of monitoring survey results under AMS-II.G" (regarding AMS-II.G ver. 10.0). The MP recommended that the Board approve the response to the request for clarification.
- 40. The MP considered the request for clarification "SSC_784: Clarification on market share and double counting under AMS-III.C" (regarding AMS-III.C ver. 15.0). The MP recommended that the Board approve the response to the request for clarification.
- 41. The MP considered the request for clarification "SSC_785: Clarification on applicability of AMS-I.C., AMS-I.E and AMS-I.I. to a fuel-switch project involving renewable biochar displacing non-renewable biomass in the context of household cooking" (regarding AMS-I.I. ver. 4, AMS-I.C. ver. 21 and AMS-I.E ver. 10). The MP recommended that the Board approve the response to the request for clarification.
- 42. The MP considered the request for clarification "SSC_786: Clarification on monitoring of the number of utilization days for the project device under AMS-II.G" (regarding AMS-II.G. ver. 6). The MP recommended that the Board approve the response to the request for clarification.

Agenda item 3.1.1. Post-registration changes

43. The MP took note that no requests for post-registration changes were to be considered at this meeting.

Agenda item 3.1.2. Deviations from approved methodologies and tools

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

Agenda item 3.2. Other issues

- 45. The MP considered the concept note "Market share, market saturation and penetration rate" and agreed to continue working on it with an aim to recommending it to the Board for its consideration at its next meeting. The work is being carried out in response to the mandate from the Board at its 101st meeting (EB 101 report, para. 30) and further guidance from the Board at its 105th meeting (EB 105 report, para. 34).
- 46. The MP has provided input to the secretariat on the revision of the "Glossary: CDM terms" regarding the definitions of "biomass", "biomass residues" and "renewable biomass".

Agenda item 4. Conclusion of the meeting

- 47. The members of the MP adopted the report of eighty-second meeting (MP 82). The report and annexes will be available on the UNFCCC CDM website.
- 48. The Chair of the MP closed the meeting.

Annexes to the report

- Annex 1 Draft Large-scale Methodology: AM00XX: Emission reduction from partial switching of raw materials and increasing the share of additives in the production of blended cement
- Annex 2 Draft Large-scale Consolidated Methodology: ACM0003: Partial substitution of fossil fuels in cement or quicklime manufacture
- Annex 3 Draft Small-scale Methodology: AMS-II.E: Energy efficiency and fuel switching measures for buildings
- Annex 4 Draft Small-scale Methodology: AMS-III.AR: Substituting fossil fuel-based lighting with LED/CFL lighting systems

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Document information

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