

CDM-MP80

Meeting report

Methodologies Panel eightieth meeting

Version 01.0

Date of meeting: 23 to 26 September 2019

Place of meeting: Bonn, Germany



United Nations
Framework Convention on
Climate Change

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Agenda item 1. Agenda and meeting organization

Agenda item 1.1. Opening

1. The Chair of the Methodologies Panel (MP), Mr. José Domingos Miguez, opened the meeting and welcomed the new members Ms. Gbemi Cassandra Jayesimi, Mr. Thomas Grammig and Ms. Yuko Nagata to the MP.
2. The MP noted that two members of the MP, Mr. Kishor Rajhansa and Mr. Sudhir Sharma, were unable to attend the meeting and provided proper justification for their absence.
3. Table 1 below represents attendance at the meeting, which was held from 23 to 26 September 2019. Names in bold print represent presence at the meeting.

Table 1. Attendance

Chair/Vice-chair	Members
Mr. José Domingos Miguez (Chair)	Mr. Amr Osama Abdel-Aziz
Mr. Frank Wolke (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.
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

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

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 103rd and 104th meetings 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 took note that the dates of its eighty-first meeting (MP 81) will be decided at the 105th meeting of the Board in November 2019 in Santiago, Chile.
8. Project participants, designated national authorities (DNAs) and other stakeholders may note the following upcoming deadlines, which will be updated on the public website once available:²
 - (a) The deadline for the submission of proposed new methodologies to be considered at MP 81 is eight weeks prior to the meeting;
 - (b) The deadline for the submission of requests for revision to be considered at MP 81 is eight weeks prior to the meeting;
 - (c) The deadline for the submission of requests for clarification to be considered at MP 81 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 standardized baselines, large-scale methodologies, methodological tools and small-scale methodologies on the UNFCCC CDM website.³ For information related to large-scale methodologies, 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.⁴
11. The MP took note of the status of the top-down and proposed bottom-up standardized baselines (SBs) under development. The MP also considered the application of SBs in projects and programmes of activities (PoAs). While some SBs (e.g. the South African Power Pool grid emission factor) have significantly supported project development, many others have been underutilized or not used at all. The MP considered, inter alia, that a mandatory assessment report by a designated operational entity (DOE) required at every renewal, which led to transaction costs for the DNA, may have proved to be a barrier in some cases. Similarly, the three-year validity of approved SBs may have impacted the use

² <<https://cdm.unfccc.int/Projects/guides.html>>

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

⁴ <<https://cdm.unfccc.int/Reference/Procedures/index.html>>

of approved SBs. The MP noted that the Board, at its ninety-ninth meeting, resolved the validity issue by allowing longer periods of validity, where it is justified, through changes of the SB procedure. Furthermore, the Board also decided, at the same meeting, not to differentiate between the assessment requirements for an initial approval and an update of the SB. The MP recommended that the Board consider the new information regarding the utilization of SBs and the barriers faced with regard to the wider uptake of SBs.

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 79).

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. Standardized baselines

Type	Submission	Title	Status	Paragraph
Standardized baseline – bottom up request	PSB0050	Standardized baseline for methane emissions from rice cultivation in the Republic of the Philippines	Work-in-progress	14
Standardized baseline – top-down request	TSB0015	Baseline woody biomass consumption and fNRB for household cookstoves in Myanmar	Work-in-progress	15

14. The MP considered the draft SB “PSB0050: Standardized baseline for methane emissions from rice cultivation in the Republic of the Philippines”. The submission is based on “ASB0008: Methane Emissions from Rice Cultivation in the Republic of the Philippines”, which expired in February 2018. The SB standardizes additionality demonstration and baseline emissions. The MP agreed to continue working on this SB.
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 of 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 “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 MP agreed to continue working on this SB.
16. The MP agreed to launch a call for public input on the revision of the “Standard: Sampling and surveys for CDM project activities and programmes of activities”, as contained in [annex 1](#) 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 standard. The proposed revision includes additional requirements and guidance for DOEs verifying sampling surveys conducted by

project participants and coordinating managing entities. The work is being carried out in the context of the mandate related to the revision of “AMS-II.G: Energy efficiency measures in thermal applications of non-renewable biomass” and is related to the revision of the “Guideline: Sampling and surveys for CDM project activities and programmes of activities” (see paragraph 48 below).

(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	Title of the request	Status	Paragraph
NM0377	Energy saving through the use of the reverse osmosis technology in the water desalination process	Work-in-progress	18(a)
NM0378	Use of renewable sources of carbon instead of fossil sources in the production of thermoplastic resins and its components	Work-in-progress	18(b)
NM0379	Emission reduction from partial switching raw materials and increasing the share of additives in the blended cement production	Work-in-progress	18(c)

18. The MP considered the following draft new methodologies and agreed to seek further input from the proponents of the new methodologies. The history of the bottom-up requests relating to these large-scale methodologies can be viewed on the UNFCCC CDM website.⁵

- (a) “NM0377: Energy saving through the use of the reverse osmosis technology in the water desalination process”. The proposed 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;
- (b) “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;

⁵ <<https://cdm.unfccc.int/methodologies/PAmethodologies/pnm/pending>>.

- (c) “NM0379: Emission reduction from partial switching raw materials and increasing the share of additives in the blended cement production”. The proposed new methodology can be applied to project activities that produce blended cement beyond current practices in the host country by using alternative raw materials that do not contain carbonates for clinker production in cement kilns, and by increasing the share of additives (i.e. reducing the share of clinker).

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

19. 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.

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	Call for public input	20
Revision	ACM0006	EB 102 report, para. 41	Electricity and heat generation from biomass	Call for public input	20
Revision	ACM0018	EB 102 report, para. 41	Electricity generation from biomass in power-only plants	Call for public input	20
Revision	AM0103	EB 104 report, para. 23	Renewable energy power generation in isolated grids	Call for public input	20
Revision	ACM0002	EB 104 report, para. 23	Grid-connected electricity generation from renewable sources	Call for public input	20
Revision	TOOL21	EB 104 report, para. 23	Demonstration of additionality of small-scale project activities	Call for public input	20
Revision	TOOL32	EB 104 report, para. 23	Positive lists of technologies	Call for public input	20
Revision	ACM0003	EB 101 report, para. 35, and EB 102 report, para. 39	Introduce reference to TOOL16	Work-in-progress	22

Issue	AM/AT	Mandate	Title of request	Status	Paragraph
Revision	ACM0016	EB 102 report, para. 40	Mass Rapid Transit Projects	Call for public input	23
Revision	TOOL09	EB 94 report, para. 39	Determining the baseline efficiency of thermal or electric energy generation systems	Call for public input	24
Revision	TOOL27	EB 85 report, para. 50	Investment analysis	Call for public input	25

20. The MP agreed to launch a call for public input on the top-down 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", as contained in annexes 2, 3 and 4 to this report. The aim is to finalize the methodologies at the next MP meeting. This work is being carried out in response to the mandate from the Board at its 102nd second meeting (EB 102 report, para. 41) to revise the methodology ACM0006 to address inconsistencies and ambiguities in the language used therein and revise the methodologies AM0036 and ACM0018 to ensure consistency across biomass methodologies.
21. The MP agreed to launch a call for public input on the top-down revision of "AM0103: Renewable energy power generation in isolated grids", "ACM0002: Grid-connected electricity generation from renewable sources", "TOOL21: Demonstration of additionality of small-scale project activities" and "TOOL32: Positive lists of technologies" as contained in annexes 5, 6, 7 and 8 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 and tools. This work is being carried out based on the guidance from the Board at its 104th meeting (EB104 report, para. 23) to not amend the positive lists contained in AM0103 and ACM0002. Given this guidance and the request to the MP to update positive lists in TOOL32 in a timely fashion, the information in the methodologies and tools has been made consistent. In considering the revision of AM0103, ACM0002 and TOOL32, the MP agreed to also revise TOOL21 as to apply a consistent approach to the definition and update of the positive lists.
22. The MP considered the top-down revision of the methodology "ACM0003: Partial substitution of fossil fuels in cement or quicklime manufacture" and agreed to continue working on this methodology at its next meeting, including to explore the development of conservative default values within the methodology for the fuel penalty. This work is being carried out in response to the mandate from the Board at its 101st meeting (EB101 report, para. 35) to revise ACM0003 to introduce a reference to "TOOL16: Project and leakage emissions from biomass". Further, the Board, at its 102nd meeting (EB102 report, para. 39), requested the MP to also consider issues in the methodology related to the fuel penalty.

23. The MP agreed to launch a call for public input on the top-down revision of the methodology “ACM0016: Mass Rapid Transit Projects”, as contained in annex 9 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. This work is being carried out in response to the mandate from the Board at its 102nd meeting (EB 102 report, para. 40) to revise the methodology “ACM0016: Mass Rapid Transit Projects” in order to improve consistency with methodology “AM0031: Bus rapid transit projects”. In carrying out the work, the MP agreed to seek a mandate to revise the appendices of the methodologies ACM0016 and AM0031 to incorporate the guidance and requirements provided for in the “Standard: Sampling and surveys for CDM project activities and programmes of activities” and “Guideline: Guidelines for sampling and surveys for CDM project activities and programmes of activities”.
24. The MP agreed to launch a call for public input on the top-down revision of the methodological tool “TOOL09: Determining the baseline efficiency of thermal or electric energy generation systems”, as contained in annex 10 to this report. The aim is to finalize the tool at the next MP meeting. This work is being carried out in response to the mandate from the Board at its ninety-fourth meeting (EB94 report, para. 39) to update default efficiency factors, based on publicly available information.
25. The MP agreed to launch a call for public input on the top-down revision of “TOOL27: Investment analysis”, 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 tool. This work is being carried out in response to the mandate from the Board at its eighty-fifth meeting (EB 85 report, para. 50) to update the default values for the cost of equity in the appendix to the tool annually.

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

26. The MP considered the clarifications (large-scale) as presented in table 5 below. The requests are available on the UNFCCC CDM website.⁶

Table 5. Requests for clarification

Submission number	AM/AT	Title of the request	Status	Paragraph
CLA_TOOL_0032	TOOL31 ver. 1.0	To consider “top 20%” for determination of standardized baseline in buildings”.	Clarified	27

27. The MP considered the request for clarification “CLA_TOOL_0032: To consider ‘top 20%’ for determination of standardized baseline in buildings” (regarding TOOL31, ver. 01.0). The MP recommended that the Board approve the clarification.

⁶ <<https://cdm.unfccc.int/methodologies/PAmethodologies/clarifications/pending>>.

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

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

28. The MP considered the new small-scale methodological standards presented in table 6 below and, where applicable, took external expertise into account.

Table 6. Status of consideration of new small-scale methodologies and tools

Submission	Title of the request	Status	Paragraph
SSC-NM102	Greenhouse gas emission reduction methodology for online ride-hailing service	Approval	29
SSC-NM104	Emission reduction by shore-side electricity supply system	Work-in-progress	30

29. The MP recommended that the Board approve the draft new methodology “SSC-III.XX: Ride-sharing services”, as contained in [annex 12](#) to this report. The proposed new methodology is applicable for car-sharing services including booking of ride-sharing cars or hitch-riding cars using a ride-sharing application/platform. The recommendation is based on the submission “SSC-NM102: Greenhouse gas emission reduction methodology for online ride-hailing service” and further input was provided by the proponent in response to the clarifications sought at MP 77, EB 102, MP 79 and MP 80. The history of this small-scale bottom-up request can be viewed on the UNFCCC CDM website.⁷
30. The MP considered the draft new methodology “SSC-NM104: Emission reduction by shore-side electricity supply system”. This methodology applies to project activities introducing shore-side electricity to ships at berths to displace the use of the on-board fossil fuel electricity generators. The history of this small-scale bottom-up request can be viewed on the UNFCCC CDM website.⁸ The MP agreed to continue working on the new methodology.

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

31. The MP considered the top-down and bottom-up revisions of small-scale methodological standards, as presented in table 7 below and, where applicable, took external expertise and public input into account.

Table 7. Status of revisions of small-scale methodologies and tools

Issue	AM/AT	Mandate	Title of request	Recommendation	Paragraph
Revision	AMS-I.C	N/A	Thermal energy production with or without electricity	Reject	32

⁷ <<https://cdm.unfccc.int/methodologies/index.html>>.

⁸ <<https://cdm.unfccc.int/methodologies/index.html>>.

Issue	AM/AT	Mandate	Title of request	Recommendation	Paragraph
Revision	AMS-I.E	EB 102 report, para. 46, and EB 103 report, para. 28	Elaborate on requirements to account for stove-stacking	Call for public input	33
Revision	AMS.II-G	EB 99 report, para. 28, and EB 102 report, para. 46	Include non-binding best-practice examples; Elaborate on requirements to account for stove-stacking	Call for public input	34
Revision	AMS.II.E	EB 103 report, para. 35	Energy efficiency and fuel switching measures for buildings	Work-in-progress	35

32. The MP recommended that the Board reject the revision request for the methodology “AMS-I.C: Thermal energy production with or without electricity”. The revision request is based on “SSC_750: Revision of AMS-I.C for the project to use the river water thermal energy with heat pump or heat exchanger”.
33. The MP recommended that the Board approve the top-down revision of the methodology “AMS-I.E: Switch from non-renewable biomass for thermal application by the user”, as contained in [annex 13](#) to this report. The MP also agreed to launch a call for public input on the methodology and any input will be discussed with the MP and forwarded to the Board for its consideration at its next meeting. The work was carried out in response to two mandates: the mandate from the Board at its 102nd meeting (EB102 report, para. 46) to revise this methodology to further elaborate requirements to account for stove-stacking and the mandate from the Board at its 103rd meeting (EB103 report, para. 28) to recommend a revision to this methodology consistent with the recommendations in the concept note referred to in paragraph 45 below.
34. The MP recommended that the Board approve the top-down revision of the methodology “AMS-II.G: Energy efficiency measures in thermal applications of non-renewable biomass”, as contained in [annex 14](#) to this report. The MP also agreed to launch a call for public input on the methodology and any input will be discussed with the MP and forwarded to the Board for its consideration at its next meeting. The work was carried out in response to three mandates: the mandate from the Board at its ninety-ninth meeting (EB99 report, para. 28) to include non-binding best-practice examples, the mandate from the Board at its 102nd meeting (EB102 report, para. 46) to further elaborate requirements to account for stove-stacking and the mandate from the Board at its 103rd meeting (EB103 report, para. 28) to recommend a revision to this methodology consistent with the recommendations in the concept note referred to in paragraph 45 below.

35. The MP initiated work on the revision of the methodology “AMS-II.E: Energy efficiency and fuel switching measures for buildings” and agreed to continue to work on the revision at its next meeting. The work is being carried out in response to the mandate from the Board at its 103rd meeting (EB103 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”.

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

36. The MP considered the clarifications (small-scale) as presented in table 8 below. The requests are available on the UNFCCC CDM website.⁹

Table 8. Requests for clarification

Submission number	AM/AT	Title of the request	Status	Paragraph
SSC_762	AMS-I.C (ver. 21.0)	Query regarding monitoring of ‘Quantity of hot air’	Clarified	37
SSC_763	AMS-III.B (ver. 18.0) AMS-III.AG (ver. 3.0) AMS-III.AH (ver. 3.0).	Clarification request on Applicability of AMS.III.B for a component of project activity with 10 – 25% use of electricity at the baseline	Clarified	38
SSC_764	AMS-II.G (ver. 3.0)	End-of-life replacement of existing cookstoves (ICS) in AMS-II.G	Clarified	39
SSC_765	AMS-I.F (ver. 3.0) and AMS-II.E (ver. 11.0)	Calculating emission reductions in buildings for projects applying a standardized baseline and AMS-I.F	Clarified	40
CLA_TOOL_0030	TOOL30 (ver. 2.0)”	Calculation of fraction on non-renewable biomass	Clarified	41

37. The MP considered the request for clarification “SSC_762: Query regarding monitoring of ‘Quantity of hot air’” (regarding the methodology AMS-I.C (ver. 21.0)). The MP recommended that the Board approve the clarification.
38. The MP considered the request for clarification “SSC_763: Clarification request on Applicability of AMS.III.B for a component of project activity with 10 – 25% use of electricity at the baseline” (regarding the methodologies AMS-III.B (ver. 18.0), AMS-III.AG (ver. 3.0) and AMS-III.AH (ver. 3.0)). The MP recommended that the Board approve the clarification.

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

39. The MP considered the request for clarification “SSC_764: End-of-life replacement of existing cookstoves (ICS) in AMS-II.G” (regarding the methodology AMS-II.G (ver. 3.0)). The MP recommended that the Board approve the clarification.
40. The MP considered the request for clarification “SSC_765: Calculating emission reductions in buildings for projects applying a standardize baseline and AMS-I.F” (regarding the methodologies AMS-I.F (ver. 3.0) and AMS-II.E (ver. 11.0)). The MP recommended that the Board approve the clarification.
41. The MP considered the request for clarification “CLA_TOOL_0030: Calculation of fraction on non-renewable biomass” (regarding TOOL30 (ver. 2.0)). The MP recommended that the Board approve the clarification.

Agenda item 3.1.1. Post-registration changes

42. The MP provided input to the secretariat on the request for approval of the post-registration change “PRC-8249-001: Catalytic abatement of N₂O in Nitric Acid Plant of Shiraz Petrochemical Company”.

Agenda item 3.1.2. Deviations from approved methodologies and tools

43. 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

44. The MP recommended that the Board approve the draft new “Guideline: Use of the CDM in urban sectors”, 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, 102nd meeting and 103rd meeting (EB 97 report, para. 26, EB 102 report, para. 33 and EB 103 report, para. 27) to work on (a) Guidelines for developing CDM projects in the urban context; (b) Best-practice examples for inclusion in a programme of activities design document template; and (c) Standardization of parameters.
45. The MP recommended that the Board consider the concept note “Methodological approaches for calculating emissions reductions from project activities, resulting in the reduced use of non-renewable biomass in households”, as contained in [annex 16](#) of this report. The work was carried out in response to the mandate from the Board at its 102nd meeting (EB 102 report, paras. 30 and 31) to provide an analysis on this issue including draft revised methodologies (see paras. 33 and 34 above) and at its 103rd meeting (EB 103 report, para. 27 (a) and (b)) to make a recommendation by considering additional sources of data on the actual usage of various fossil fuels for cooking in different regions/countries of the world and the harmonized standards for stove tests.
46. The MP recommended that the Board consider the initial version of the concept note “Consistent use of market share, market saturation, market penetration and penetration rate” as contained in [annex 17](#) of this report and provide guidance. 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 discussed the preliminary findings and assessments and agreed to continue working on the concepts identified.

47. The MP considered the information note “Analysis of requirements to demonstrate common practice” and decided to seek further clarification from the proponent of the revision request “REV_TOOL_0004: Revision in Common Practice Analysis Tool Version 3.1 to include assessment of other GHG mechanism while assessing common practice”. The MP agreed to continue working on this agenda item.
48. The MP considered the revision of the “Guideline: Sampling and surveys for CDM project activities and programmes of activities”. The work is being carried out in the context of the mandate related to the revision of “AMS-II.G: Energy efficiency measures in thermal applications of non-renewable biomass” (see paragraph 34 above). At MP 79, the MP determined that additional guidance would be required for DOEs verifying the sampling surveys conducted by project participants and coordinating managing entities. This work is related to the revision of the “Standard: Sampling and surveys for CDM project activities and programmes of activities” referred to in paragraph 16 above. The MP agreed to continue working on the guideline.

Agenda item 4. Conclusion of the meeting

49. The members of the MP adopted the report of MP 80. The report and annexes will be available on the UNFCCC CDM website.
50. The Vice-Chair of the MP closed the meeting.

Annexes to the report

- Annex 1 - Standard: Sampling and surveys for CDM project activities and programmes of activities
- Annex 2 - AM0036: Fuel switch from fossil fuels to biomass residues in heat generation equipment
- Annex 3 - ACM0006: Electricity and heat generation from biomass
- Annex 4 - ACM0018: Electricity generation from biomass in power-only plants
- Annex 5 - AM0103: Renewable energy power generation in isolated grids
- Annex 6 - ACM0002: Grid-connected electricity generation from renewable sources
- Annex 7 - TOOL21: Demonstration of additionality of small-scale project activities
- Annex 8 - TOOL32: Positive lists of technologies
- Annex 9 - ACM0016: Mass Rapid Transit Projects
- Annex 10 - TOOL09: Determining the baseline efficiency of thermal or electric energy generation systems
- Annex 11 - TOOL27: Investment analysis
- Annex 12 - SSC-III.XX: Ride-sharing services
- Annex 13 - AMS-I.E: Switch from non-renewable biomass for thermal applications by the user
- Annex 14 - AMS-II.G: Energy efficiency measures in thermal applications of non-renewable biomass
- Annex 15 - Guideline: Use of the CDM in urban sectors
- Annex 16 - Concept note: Methodological approaches for calculating emission reductions from project activities, resulting in the reduced use of non-renewable use of biomass in households
- Annex 17 - Concept note: Consistent use of market share, market saturation, market penetration and penetration rate

Document information

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