CLEAN DEVELOPMENT MECHANISM

CDM-SSCWG46

Meeting report

Small-Scale Working Group forty-sixth meeting

Version 01.0

Date of meeting: 27 to 30 October 2014

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 Small-Scale Working Group (SSC WG), Mr Washington Zhakata opened the meeting.

2. The SSC WG noted that the Chair of the SSC WG, Mr Washington Zhakata and the Vice-Chair Mr. Frank Wolke, as well as all members attended the meeting.

Table 1. Attendance list

Chair and Vice-Chair	Members
Mr. Washington Zhakata (Chair)	Mr. Felix Babatunde Dayo
Mr. Frank Wolke (Vice-Chair)	Mr. Gilberto Bandeira de Melo
	Mr. Bamshad Houshyani
	Mr. Daniel Perczyk

Agenda item 1.2. Adoption of the agenda

3. The agenda was adopted as proposed.

Agenda item 2. Governance and management matters

Agenda item 2.1. Membership issues

4. The SSC WG considered information provided by members with respect to any potential conflict of interest.

Agenda item 2.2. Performance management

5. The SSC WG considered an update on the workplan for panels and working groups for 2014.

6. The SSC WG provided input to the secretariat on possible future tasks to be considered for inclusion in the 2015 workplan of the SSC WG.

Agenda item 2.3. Matters related to the SSC WG

7. Mr. Daniel Perczyk briefed the SSC WG on the outcome of the 65th meeting of the Methodologies Panel (MP 65).

8. The SSC WG took note of an update on editorial revisions, desk reviews, consultancies fast-track clarifications and proposed standardized baselines finalized in accordance with the “Procedure for the development, revision and clarification of baseline and monitoring methodologies and methodological tools” and “Procedure for the submission and consideration of standardized baselines” since the last meeting. The SSC WG noted that there were no editorial revisions, desk reviews, consultancies, fast track clarifications, or proposed standardized baselines finalized since its last meeting that were of relevance to the working group’s consideration of agenda items at this meeting.

Agenda item 2.3.1. Upcoming deadlines of relevance to stakeholders

9. The SSC WG noted that the date for the 47th meeting (SSC WG 47) is to be decided at the eighty-first meeting of the Executive Board (hereinafter referred to as the Board) of the clean development mechanism (CDM).

10. 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 (PNMs) to be considered at the 47th meeting of the SSC WG (i.e. eight weeks prior to the meeting) will be decided at the eighty-first meeting of the Board and accordingly updated on the public website: <http://cdm.unfccc.int/Projects/pac/howto/CDMProjectActivity/NewMethodology/index.html>;

    (b) The deadline for the submission by DNAs of proposed technologies for automatic additionality under the microscale additionality guidelines, to be considered at the 47th meeting of the SSC WG (i.e. four weeks prior to the meeting) will be decided at the eighty-first meeting of the Board and accordingly updated on the public website <http://cdm.unfccc.int/DNA/submissions/index.html>;

    (c) The deadline for the submission of requests for revision to be considered at the 47th meeting of the SSC WG (i.e. eight weeks prior to the meeting) will be decided at the eighty-first meeting of the Board and accordingly updated on the public website: <http://cdm.unfccc.int/Projects/pac/howto/CDMProjectActivity/NewMethodology/Revisions/index.html>;

    (d) The deadline for the submission of requests for clarification to be considered at the 47th meeting of the SSC WG (i.e. six weeks prior to the meeting) will be decided at the eighty-first meeting of the Board and accordingly updated on the public website: <http://cdm.unfccc.int/Projects/pac/howto/CDMProjectActivity/NewMethodology/Clarifications/index.html>.

Agenda item 3. Regulatory matters

Agenda item 3.1. Standards/tools

Agenda item 3.1.1. Consideration of proposed standardized baselines

11. The status, case history and final recommendations proposed by the SSC WG for consideration by the Board are made available on the UNFCCC CDM website at: <http://cdm.unfccc.int/methodologies/standard_base/index.html>.

12. The relevant procedure “Procedure for submission and consideration of standardized baselines” (version 02.0) is available on the UNFCCC CDM website at: <http://cdm.unfccc.int/methodologies/standard_base/index.html>.

13. The SSC WG considered the proposed new standardized baseline in Table 2 below, as well as external expertise received, where applicable.

Table 2. Status of submissions for proposed standardized baselines

Submission	Title	Status / recommendation[1]	Paragraph
PSB0019	Standardized baseline for methane emissions from rice cultivation in the Republic of the Philippines.	Forward for the approval of the Board	14

14. The SSC WG recommended that the Board take note that it recommended to approve the proposed standardized baseline "PSB0019 Standardized baseline for methane emissions from rice cultivation in the Republic of the Philippines" and that the secretariat forward it for consideration by the Board. The SSC WG also noted that approval of the standardized baseline is contingent upon approval of the revision of "AMS-III.AU.: Methane emission reduction by adjusted water management practice in rice cultivation" by the Board (Please also see paragraph 22d on recommendation for revision of AMS-III.AU.). The proposed standardized baseline was considered for the second time by the SSC WG. This standardized baseline provides the values of the emission factors for reduced methane emissions from rice cultivation in the Philippines, and it shall be used in conjunction with AMS-III.AU. by project participants of CDM project activities/PoAs.

Agenda item 3.1.2. Consideration of proposed new small-scale methodological standards/tools

15. Information on proposed new small-scale methodologies, their status, case history and final recommendations proposed by the SSC WG for consideration by the Board are made available on the UNFCCC CDM website at: <http://cdm.unfccc.int/methodologies/SSCmethodologies/NewSSCMethodologies/index.html>. If the Board accepts the recommendations, the final recommendations and responses are made available on the UNFCCC CDM website at: <http://cdm.unfccc.int/methodologies/SSCmethodologies/pnm>.

16. The relevant procedure "Development, revision and clarification of baseline and monitoring methodologies and methodological tools" (version 01.1) is available on the UNFCCC CDM website at: <http://cdm.unfccc.int/Reference/Procedures/index.html#meth>.

17. The SSC WG considered the proposed new methodological standards listed in table 3 below, as well as external expertise and public inputs received, where applicable.

[1] Recommendations from the SSC WG: final recommendations: Forward for the approval or not approval of the Board; require further input from the DNA; Work-in-progress (WIP): cases that are still under consideration because further input from the DNA or guidance from the Board is required.

Table 3. Status of consideration of proposed new methodological standards/tools

Submission/mandate	Title	Status / recommendation[2]	Paragraph
SSC-NM096	Supply side energy efficiency intervention through demand side reactive power compensation	WIP	paragraph 18a
SSC-NM097	Using renewable energy sources to charge electric vehicles	WIP	Paragraph 18b

18. The SSC WG recommended that the Board take note that it could not conclude its consideration of the proposed new methodology (referred to as work-in-progress case):

    (a) "SSC-NM096: Supply side energy efficiency intervention through demand side reactive power compensation". The methodology was considered by the SSC WG for the second time. The SSC WG communicated the need for further information on, among others: (a) the determination and validation of the resistance value R in transmission and distribution system, (b) determination of baseline power factor. The SSC WG agreed to continue considering the proposed new methodology once clarifications are submitted by the project proponents;

    (b) "SSC-NM097: Using renewable energy sources to charge electric vehicles". The methodology was considered by the SSC WG for the first time. The SSC WG agreed to seek further clarifications from the project proponent, among others, on: (a) the definition of the project activity that applies to the methodology; and (b) how double counting of emission reductions is avoided to enable further consideration of the methodology.

Agenda item 3.1.3. Consideration of revisions of methodological standards/tools

19. Information on requests for revision, their status, case history and the final recommendation and responses to the Board by the SSC WG are made publicly available on the UNFCCC CDM website at: <https://cdm.unfccc.int/methodologies/SSCmethodologies/clarifications/pending>.

    If the Board accepts the recommendations, the final recommendations and responses are made available on the UNFCCC CDM website at: <https://cdm.unfccc.int/methodologies/SSCmethodologies/clarifications>.

20. The relevant procedure "Development, revision and clarification of baseline and monitoring methodologies and methodological tools" (version 01.1) is available on the

[2] Recommendations on the proposed new methodologies from the SSC WG: A (recommended for approval), C (recommended for non-approval) are final recommendations to the Board, WIP (work in process) are cases that will continued to be considered in the next meeting of the SSC WG. Preliminary recommendations are technical clarifications requested by the SSC WG from project participants before finalizing its recommendation to the Board.

UNFCCC CDM website at:
<http://cdm.unfccc.int/Reference/Procedures/index.html#meth>.

21. The SSC WG considered the bottom-up submissions of requests for revision and top-down revisions of approved methodologies (AMS) listed in table 4, as well as external expertise and public inputs received, where applicable.

Table 4. Status of consideration of revisions to methodological standards/tools

Issue	AMS	Mandate	Status / recommendation	Paragraph /annex
SSC_648	AMS-III.AJ.	SSC_648: Revision of AMS-III.AJ to cover energy saving through recycling of paper/cardboard	"C"	24
SSC_712	AMS-III.C.	SSC_712: Revision of AMS-III.C to include electricity service providers to claim emission reductions and give two more options to determined specific fuel consumption for baseline vehicles	To approve	22a) / Annex 1
SSC_714	AMS-III.BB.	SSC_714: Revision of AMS-III.BB to simplify monitoring for electrification of communities through grid extension using pre-paid or flat-rate connections	To approve	22b) / Annex 2
SSC_715	AMS-I.L.	SSC_715: Revision of AMS-I.L.: Electrification of rural communities using renewable energy to allow increased flexibility to determine system availability factor for solar PV systems	To approve	22c) / Annex 3
Board request (EB 80, para 36)	AMS-III.AU.	Top-down revision to make the methodology applicable in conjunction with the proposed new standardized baseline submission: “PSB0019: Standardized baseline for methane emissions from rice cultivation in the Republic of the Philippines”	To approve	22d) / Annex 4
Board request (EB 78, para. 25)	AMS-III.Z.	Top-down revision to make the methodology applicable in conjunction with the new top-down developed standardized baseline TSB0002 for brick sector in Peru	Call for public input	27a) / Annex 17

Issue	AMS	Mandate	Status / recommendation	Paragraph /annex
Board request (EB 76, para 53)	AMS-I.B., AMS-I.D., AMS-I.E., AMS-I.F., AMS-III.A., AMS-III.AS., AMS-III.BF.	Top-down revision to include reference to methodological tool "Project emissions from cultivation of biomass" in small-scale methodologies	To approve AMS-I.B, AMS-I.D, AMS-I.E, AMS-I.F, AMS-III.A, AMS-III.AS, AMS-III.BF	22e) – k) / Annexes 5, 6, 7, 8, 9, 10, 11
Board request, SSC WG workplan	AMS-I.B.	a) Include procedures for determining baseline scenarios for Greenfield/capacity expansion project activities in Type I methodologies (EB 77 para 62); b) Include provisions to address suppressed demand (WG workplan 2013)	To approve	22e) / Annex 5
SSC WG workplan	AMS-II.G., AMS-I.L., AMS-III.R.,	Include eligibility criteria for PoAs	Not to approve	25
SSC WG workplan	AMS-II.J., AMS-III.AR., AMS-III.Q., AMS-III.G., AMS-III.E., AMS-III.H.	Simplification and streamlining of methodologies, tools and standards (MAP project no. 223)	To approve AMS-II.J., AMS-III.AR., AMS-III.G., AMS-III.E., AMS-III.H. Call for public input: AMS-III.Q.,	22l) – p), 23, 27b) / Annexes 12, 13, 14, 15, 16, 18
SSC WG workplan	AMS-III.B.	Revision of small-scale fuel switching methodologies; Simplifying requirements related to emission reductions and improve consistency across all fuel switching methodologies (EB 78, annex 8, MAP project no. 223)	Call for public input	27c) / Annex 19
SSC WG workplan	AMS-II.G AMS-III.AV	Simplification in monitoring in small-scale methodologies (EB 78, annex 8, MAP project no. 223)	WIP	26

22. The SSC WG recommended that the Board approve the following revised draft small-scale methodologies:

    (a) "AMS-III.C.: Emission reductions by electric and hybrid vehicles", based on the request for revision SSC_712, to include vehicle charging stations to claim emission reductions and to include two additional options to determine specific fuel consumption for baseline vehicles. The draft revision as contained in annex 1:

(i) Expands the applicability of the methodology to cover situations where renewable energy source is used for charging the electric vehicles through a dedicated transmission/distribution line;

(ii) Elaborates procedures to avoid double counting of emission reductions in cases where renewable energy source is used for charging the electric/hybrid vehicles;

(iii) Includes additional options for determination of specific fuel consumption of baseline vehicles based on operational/historic data of the vehicles under baseline operational conditions (data from a control group of vehicles, national statistics, and industry default values);

(b) "AMS-III.BB.: Electrification of communities through grid extension or construction of new mini-grids" to simplify metering requirements, based on the request for revision SSC_714. The methodology was approved at the sixty-seventh meeting of the Board, 11 May 2012 and the draft revision as contained in annex 2:

(i) Simplifies the monitoring procedures for consumers under grid extensions (e.g. using prepaid electricity purchase devices);

(c) "AMS-I.L.: Electrification of rural communities using renewable energy" to allow increased flexibility to determine system availability factor for solar PV systems, based on the request for revision SSC_715. The draft revision as contained in annex 3:

(i) Includes further options to determine the average value of availability for solar PV systems;

(d) "AMS-III.AU.: Methane emission reduction by adjusted water management practice in rice cultivation", based on the mandate received from the Board at its eightieth meeting (EB 80 report, para. 36), to prepare and recommend a top-down revision of AMS.III.AU incorporating the new approach based on the proposed standardized baseline "PSB0019: Standardized baseline for methane emissions from rice cultivation in the Republic of the Philippines". The draft revision as contained in annex 4:

(i) Introduces a simplified option for emission reductions calculation for countries/regions, with the aim of reducing transaction costs especially for those in the regions which are underrepresented in the CDM;

(e) "AMS-I.B.: Mechanical energy for the user with or without electrical energy". The draft revision of the methodology is based on the SSC WG workplan 2013 to include provisions to address suppressed demand, the request by the Board at its seventy-seventh meeting (EB 77 report, para. 62) to include procedures for determining baseline scenarios for Greenfield/capacity expansion project activities in Type I methodologies and the request by the Board at its seventy-sixth meeting (EB 76, para 53) to include a reference to the methodological tool "Project emissions from cultivation of biomass" in small-scale methodologies in relevant methodologies. The draft revision as contained in annex 5:

(i) Adds a reference to the methodological tool “Project emissions from cultivation of biomass”, and streamlines biomass cultivation procedures across small- and large-scale methodologies;

(ii) Removes restrictions for application of the methodology in a PoA;

(iii) Include procedures for determining baseline scenarios for greenfield/capacity expansion project activities;

(iv) Provides a simplified procedure to determine baseline under suppressed demand scenario;

(f) “AMS-I.D.: Grid connected renewable electricity generation”. The draft revision of the methodology is based on the request by the Board at its seventy-sixth meeting (EB 76, para 53) to include a reference to methodological tool “Project emissions from cultivation of biomass” in small-scale methodologies in relevant methodologies and to address the guidance by the Board to make all methodologies applicable to PoAs by providing additional methodological provisions for PoAs where necessary. The draft revision as contained in annex 6:

(i) Introduces the methodological tool “Project emissions from cultivation of biomass”, streamlining the procedure to estimate project emissions associated with biomass cultivation,

(ii) Removes restrictions for application in a PoA;

(iii) Includes the changes recommended in “SSC_591: Revision of AMS-I.D. for replacement projects and projects supplying electricity to users via grid“ and “SSC_558: Clarification on the treatment of capacity addition in the case of wind energy projects under AMS-I.D.”;

(iv) Streamlines the procedure for retrofit and capacity addition with “ACM0002: Grid-connected electricity generation from renewable sources”;

(g) “AMS-I.E.: Switch from non-renewable biomass for thermal applications by the user”. The draft revision of the methodology is based on the request by the Board at its seventy-sixth meeting (EB 76, para 53) to include a reference to the methodological tool “Project emissions from cultivation of biomass” in small-scale methodologies in relevant methodologies and to address the guidance by the Board to make all methodologies applicable to PoAs by providing additional methodological provisions for PoAs where necessary. The draft revision as contained in annex 7:

(i) Adds a reference to the methodological tool “Project emissions from cultivation of biomass”;

(ii) Removes restrictions for application of the methodology in a PoA;

(h) “AMS-I.F.: Renewable electricity generation for captive use and mini-grid”. The draft revision of the methodology is based on the request by the Board at its seventy-sixth meeting (EB 76, para 53) to include a reference to the methodological tool “Project emissions from cultivation of biomass” in small-scale methodologies in relevant methodologies and to address the guidance by the Board to make all methodologies applicable to PoAs by providing additional

methodological provisions for PoAs where necessary. The methodology was approved at the fifty-fourth meeting of the Board, 28 May 2010 and the draft revision as contained in annex 8:

(i) Introduces the methodological tool “Project emissions from cultivation of biomass”;

(ii) Removes restrictions for application of the methodology in a PoA;

(i) “AMS-III.A.: Offsetting of synthetic nitrogen fertilizers by inoculant application in legumes-grass rotations on acidic soils on existing cropland”. The draft revision of the methodology is based on the request by the Board at its seventy-sixth meeting (EB 76, para 53) to include a reference to the methodological tool “Project emissions from cultivation of biomass” in small-scale methodologies in relevant methodologies. The draft revision as contained in annex 9:

(i) Streamlines the methodology with the methodological tool “Project emissions from cultivation of biomass”;

(j) “AMS-III.AS.: Switch from fossil fuel to biomass in existing manufacturing facilities for non-energy applications”. The draft revision of the methodology is based on the request by the Board at its seventy-sixth meeting (EB 76, para 53) to include a reference to the methodological tool “Project emissions from cultivation of biomass” in small-scale methodologies in relevant methodologies and to address the Board’s guidance to make all methodologies applicable to PoAs by providing additional methodological provisions for PoAs where necessary. The draft revision as contained in annex 10:

(i) Adds a reference to the methodological tool “Project emissions from cultivation of biomass”;

(ii) Streamlines upstream leakage emissions associated with fossil fuel use procedures;

(iii) Removes restrictions for application of the methodology in a PoA;

(k) "AMS-III.BF.: Reduction of N_2O emissions from use of Nitrogen Use Efficient (NUE) seeds that require less fertilizer application". The draft revision of the methodology is based on the request by the Board at its seventy-sixth meeting (EB 76, para 53) to include a reference to the methodological tool “Project emissions from cultivation of biomass” in relevant small-scale methodologies and to address the guidance by the Board to make all methodologies applicable to PoAs by providing additional methodological provisions for PoAs where necessary. The draft revision as contained in annex 11:

(i) Streamlines the sources and calculations of default emission factors;

(ii) Removes restrictions for application of the methodology in a PoA;

(l) “AMS-II.J.: Demand-side activities for efficient lighting technologies”. This work is carried out in response to the mandate for “Simplification and streamlining of methodologies, tools and standards” (MAP project 223) and as per the 2014 workplan of the SSC WG. The draft revision as contained in annex 12:

(i) Further clarity in unique marking requirement for the project/PoA;

(ii) Simplification of testing requirements for project lamps;

(iii) Simplification of emission reductions calculation (in particular, extrapolation of monitoring results of the first batch of installed lamps to the whole project);

(iv) Criteria for automatic additionality consistent with "AM0113: Distribution of compact fluorescent lamps (CFL) and light-emitting diode (LED) lamps to households";

(v) Expansion of applicability to include switching from incandescent lamps (ICLs) to light-emitting diodes (LEDs) as well as switching from compact fluorescent lamps (CFLs) to LEDs;

(m) "AMS-III.AR.: Substituting fossil fuel based lighting with LED/CFL lighting systems". This work is carried out in response to the mandate for "Simplification and streamlining of methodologies, tools and standards" (MAP project 223), as per the 2014 workplan of the SSC WG. The draft revision as contained in annex 13:

(i) Provides further clarity in unique marking requirement for the project/PoA;

(ii) Includes simplification of emission reductions calculation (in particular, extrapolation of monitoring results of the first batch of installed CFLs/LEDs to the whole project);

(iii) Includes a revision of the minimum quality standards for lighting products;

(iv) Provides criteria for automatic additionality;

(v) Introduces editorial corrections in equations;

(n) "AMS-III.G.: Landfill methane recovery". This work is carried out in response to the mandate for "Simplification and streamlining of methodologies, tools and standards" (MAP project 223) as per the 2014 workplan of the SSC WG. The draft revision as contained in annex 14:

(i) Includes a simplified additionality procedure consistent with "ACM0001: Flaring or use of landfill gas";

(o) "AMS-III.E.: Avoidance of methane production from decay of biomass through controlled combustion, gasification or mechanical/thermal treatment". This work is carried out in response to the mandate for "Simplification and streamlining of methodologies, tools and standards" (MAP project 223) as per the 2014 workplan of the SSC WG. The draft revision as contained in annex 15:

(i) Introduces supressed demand scenario;

(p) "AMS-III.H.: Methane recovery in wastewater treatment". This work is carried out in response to the mandate for "Simplification and streamlining of methodologies, tools and standards" (MAP project 223) as per the 2014 workplan of the SSC WG. The draft revision as contained in annex 16:

(i) Includes a simplified additionality procedure for existing waste water treatment plants

(ii) Introduces MCF values for land application.

23. The SSC WG recommended that the Board take note that while considering the revision of the methodology "AMS-III.H.: Methane recovery in wastewater treatment", the SSC WG considered the proposal from the secretariat to provide guiding elements to guide the users of the methodology. The SSC WG appreciated the proposal and agreed that providing such guiding elements will increase the usability of the methodology and will potentially reduce the number of request for reviews of the CDM project activities using the methodology. In this regard, the SSC WG recommended the Board to provide a mandate to the SSC WG to work on the guiding elements of "AMS-III.H.: Methane recovery in wastewater treatment". The issues were identified based on assessment of the requests for reviews, clarification, etc. The SSC WG considered this to be a good approach for identifying similar issues in other methodologies.

Furthermore, the SSC WG agreed that "AMS-II.G.: Energy efficiency measures in thermal applications of non-renewable biomass", "AMS-III.D.: Methane recovery in animal manure management systems", and "AMS-III.G.: Landfill methane recovery" are also suitable methodologies to develop guiding elements.

While considering the guiding elements, the SSC WG also noted that further guidance from the Board may be forthcoming in response to a request from the Meth Panel with regard to the presentation of these guiding elements and its related procedural issues, including their implications.

24. The SSC WG recommended that the Board reject the proposed request "SSC_648: Revision of AMS-III.AJ. to cover energy savings through recycling of paper/cardboard"". The case has been pending since SSC WG 39 and the key issues, among others, on approaches to determine baseline emissions are not adequately addressed. The SSC WG however agreed to encourage the authors of the submission to re-submit the proposal taking into account the feedback provided by the SSC WG.

25. The SSC WG recommended that the Board agree not to revise the methodologies:

(a) "AMS-II.G.: Energy efficiency measures in thermal applications of non-renewable biomass";

(b) "AMS-I.L.: Electrification of rural communities using renewable energy";

(c) "AMS-III.R.: Methane recovery in agricultural activities at household/small farm level".

In response to the mandate for "Simplification and streamlining of methodologies, tools and standards" (MAP project 223), as per the 2014 workplan of the SSC WG, the SSC WG considered to include a menu of options for eligibility criteria for inclusion of CDM component project activities (CPAs) into a programme of activity (PoA) into the methodologies to facilitate the work of coordinating/managing entities (CMEs). Instead of revising the methodologies AMS-II.G., AMS-I.L. and AMS-III.R., the SSC WG agreed to recommend the inclusion of the templates in the draft revision of the "General guidelines for SSC CDM methodologies" (see paragraph. 33d).

26. The SSC WG recommended that the Board take note that it has initiated work on the revision of the small-scale methodologies "AMS-II.G.: Energy efficiency measures in thermal applications of non-renewable biomass" and "AMS-III.AV.: Low greenhouse gas emitting safe drinking water production systems" as per the workplan agreed by the Board at its seventy-eighth meeting (EB 78 report, annex 8, table 2) with the aim of simplification in monitoring.

Agenda item 3.1.4. Global stakeholders consultation/call for public input

27. The SSC WG recommended that the Board take note on the draft revision of the following methodologies. The SSC WG requested that the secretariat make the draft methodologies publicly available for global stakeholder consultation. The inputs will be taken into account when preparing the draft methodologies to be recommended to the Board at a future meeting:

    (a) "AMS-III.Z.: Fuel Switch, process improvement and energy efficiency in brick manufacture", as contained in annex 17. This work is carried out in response to MAP project 110 on "Implementation of standardized baselines", as per the 2014 SSC WG workplan. The draft revision allows non-renewable biomass (NRB) as an eligible baseline fuel type, and applies the emission factor of NRB used in AMS-II.G. Additionally, the SSC WG also recommended considering the option to limit the brick producer to small and medium enterprises (SMEs) in case NRB is involved. The proposed revision allows the application of the methodology in combination with the standardised baseline under development ("TSB0002: Brick sector emission factor for Peru");

    (b) "AMS-III.Q.: Waste energy recovery (gas/heat/pressure)" as contained in annex 18. This work is carried out in response to MAP project 223 on "Simplification and streamlining of methodologies, tools and standards" as per the 2014 SSC WG workplan. The draft revision:

        (i) Includes simplifications in determining baseline for existing facilities;

        (ii) Expands the applicability to cover greenfield facilities using approaches consistent with "ACM0012: Consolidated baseline methodology for GHG emission reductions from waste energy recovery projects";

        (iii) Incorporates the previous clarifications SSC_686 and SSC_690 issued by the Board;

        (iv) Includes a change of title from "AMS-III.Q.: Waste energy recovery (gas/heat/pressure)" to "AMS-III.Q.: Waste energy recovery";

    (c) "AMS-III.B.: Switching fossil fuels", as contained in annex 19. This work is carried out in response to the mandate for "Simplification and streamlining of methodologies, tools and standards" (MAP project 223) as per the 2014 workplan of the SSC WG with the aim of simplifying requirements related to emission reductions and to improve consistency across all fuel switching methodologies. The draft revision includes:

        (i) Allowing to claim emission reduction on account of electricity export to the grid;

(ii) Additional approaches to establish baseline for greenfield project activities e.g. reference plant;

(iii) Simplified steps in estimation of baseline efficiency, project efficiency and net calorific values of the fuels.

Agenda item 3.1.5. Submissions of requests for clarification

28. The SSC WG considered submissions requesting clarifications to approved small-scale methodologies. The detailed responses provided by the SSC WG are made publicly available at: <http://cdm.unfccc.int/methodologies/SSCmethodologies/clarifications>.

29. The SSC WG recommended that the Board approve the responses prepared for requests for clarification to the approved small-scale methodologies and as available on the UNFCCC CDM website for cases specified as "clarified" in table 5 below.

Table 5. Request for clarification

Submission no.	AMS	Title of the request	Status	Paragraph
SSC_713	AMS-II.G.	SSC_713: Clarification on the monitoring requirements for usage days of project devices and baseline stoves under AMS-II.G	Clarified	30

30. In response to the submission SSC_713, requesting clarification on the monitoring requirements for usage days of project devices and baseline stoves under "AMS-II.G.: Energy efficiency measures in thermal applications of non-renewable biomass", the SSC WG agreed to clarify that in the case referred to in the submission, the monitoring of the biomass consumption in the baseline stoves as per paragraph 22 to 24 of the methodology may serve to cross check the calculation but is not indispensable. The case referred in the submission involves micro gasifier stoves which is a unique one as it allows direct monitoring of the biomass batch loaded into the project stoves as well as the charcoal output by the stove. As an alternative to the measurement campaign indicated in paragraph 22 to 24 of the methodology to establish the parameter "$By_{=1,new,i,\ survey}$", the project participant may choose to directly monitor the biomass consumption annually in the project device.

Agenda item 3.1.6. Other Issues

31. The SSC WG recommended that the Board consider the draft information note "Assessing risk of occurrence of negative emission reductions in small-scale component project activities", containing analysis and recommendation to the Board to address the issue of negative emission reductions, as contained in annex 20. This work is conducted in response to the request by the Board at its seventy-eighth meeting to the SSC WG to assess the issue and if necessary propose appropriate modifications to the regulatory documents and/or related methodologies to address the issue of negative emission reductions (as per Option 1 of a concept note on further work on batched issuance requests for PoAs presented to the Board at its seventy-eighth meeting). The recommendation in the information note mainly covers:

(a) Analysis of the risks if any associated with the occurrence of negative emission reductions in small scale CPAs;

(b) Recommendations on the measures to address the issue.

32. The SSC WG recommended that the Board approve the revised approved default values of fraction of non-renewable biomass (fNRB) for the Republic of Sudan, as contained in the information note “Default values of fraction of non-renewable biomass for the Republic of Sudan” in annex 21. The work is based on the request to the secretariat, in consultation with the SSC WG, to continue to determine fNRB values for Parties with 10 or fewer registered CDM project activities as of 31 December 2010.

Agenda item 3.2. Guidelines

33. The SSC WG recommended that the Board approve the draft revised “General guidelines for SSC CDM methodologies" as contained in annex 22. The revision of the guidelines:

(a) Includes options to reduce transaction costs related to sample-based surveys; following a request from the Board at its seventy-fifth meeting;

(b) Includes criteria for storage of biomass agricultural residues, based on the decision from the Board at its seventy-sixth meeting (EB 76, para 40);

(c) Includes further clarity on procedures for determining baseline scenarios for Type-I Greenfield/capacity expansion project activities; based on the mandate from the Board at its seventy-seventh meeting (EB 77, para 62);

(d) Includes example eligibility criteria PoAs for the methodologies: (i) “AMS-II.G.: Energy efficiency measures in thermal applications of non-renewable biomass”; (ii) “AMS-I.L.: Electrification of rural communities using renewable energy”; and (iii) “AMS-III.R.: Methane recovery in agricultural activities at household/small farm level” (see paragraph. 25).

34. The SSC WG recommended that the Board consider the draft information note "Criteria for graduation and expansion of positive list of technologies under the small-scale CDM", as contained in annex 23. The information note contains an analysis and recommendation to the Board on the graduation framework and expansion of the positive list of technologies that are currently defined under the “Guidelines on the demonstration of additionality of small-scale project activities”. This work is conducted in response to the request by the Board at its seventy-seventh meeting (EB 77 report, para 63) and MAP project 223 on “Simplification and streamlining of methodologies, tools and standards” (MAP project 223) as per the 2014 workplan of the SSC WG (item (b) and (c) below, please also see paragraph 23). The recommendation in the information note mainly cover:

(a) Criteria to assess graduation of current positive list of technologies (Graduation framework);

(b) Revision of small-scale methodologies related to lighting (i.e. AMS-II.J., AMS-III.AR.) to introduce specific criteria for automatic additionality of efficient lighting technologies and exclude them from the current globally applicable

positive list from the “Guidelines on the demonstration of additionality of small-scale project activities”;

(c) Consideration of the public submission on expansion of the positive list to cover land-fill and waste water projects through revision of “AMS-III.G.: Landfill methane recovery” and ”AMS-III.H.: Methane recovery in wastewater treatment”.

Agenda item 4. Conclusion of the meeting

Agenda item 4.1. Adoption of the meeting report

35. The SSC WG dealt with methodology related bottom-up submissions, including requests for revision, requests for clarification, standardized baselines, and top-down development of methodologies, tools and revision of methodologies and made recommendations to the Board.

36. The SSC WG adopted the report and concluded its 46th meeting. The report and annexes will be available on the UNFCCC website.

Agenda item 4.2. Closure of the meeting

37. The Chair of the SSC WG closed the meeting.

Annexes to the report

Annexes to the external report of the forty-sixth meeting of the Small-Scale Working Group

Annex 1 - Draft revision of "AMS-III.C.: Emission reductions by electric and hybrid vehicles to include electricity service providers"

Annex 2 - Draft revision of "AMS-III.BB.: Electrification of communities through grid extension or construction of new mini-grids"

Annex 3 - Draft revision of "AMS-I.L.: Electrification of rural communities using renewable energy"

Annex 4 - Draft revision of “AMS-III.AU.: Methane emission reduction by adjusted water management practice in rice cultivation"

Annex 5 - Draft revision of “AMS-I.B.: Mechanical energy for the user with or without electrical energy“

Annex 6 - Draft revision of “AMS-I.D.: Grid connected renewable electricity generation“

Annex 7 - Draft revision of “AMS-I.E.: Switch from non-renewable biomass for thermal applications by the user“

Annex 8 - Draft revision of “AMS-I.F.: Renewable electricity generation for captive use and mini-grid“

Annex 9 - Draft revision of “AMS-III.A.: Offsetting of synthetic nitrogen fertilizers by inoculant application in legumes-grass rotations on acidic soils on existing cropland“

Annex 10 - Draft revision of “AMS-III.AS.: Switch from fossil fuel to biomass in existing manufacturing facilities for non-energy applications“

Annex 11 - Draft revision of “AMS-III.BF.: Reduction of N2O emissions from use of Nitrogen Use Efficient (NUE) seeds that require less fertilizer application“

Annex 12 - Draft revision of “AMS-II.J.: Demand-side activities for efficient lighting technologies”

Annex 13 - Draft revision of “AMS-III.AR.: Substituting fossil fuel based lighting with LED/CFL lighting systems”

Annex 14 - Draft revision of “AMS-III.G.: Landfill methane recovery”

Annex 15 - Draft revision of “AMS-III.E.: Avoidance of methane production from decay of biomass through controlled combustion, gasification or mechanical/thermal treatment”

Annex 16 - Draft revision of “AMS-III.H.: Methane recovery in wastewater treatment"

Annex 17 - Draft revision of “AMS-III.Z.: Fuel Switch, process improvement and energy efficiency in brick manufacture"

Annex 18 - Draft revision of "AMS-III.Q.: Waste energy recovery (gas/heat/pressure)"

Annex 19 - Draft revision of "AMS-III.B.: Switching fossil fuels"

Annex 20 - Information note "Assessing risk of occurrence of negative emission reductions in small-scale component project activities"

Annex 21 - Information note "Revised default values of fraction of non-renewable biomass (fNRB) for the Republic of Sudan"

Annex 22 - Draft revision of “General guidelines for SSC CDM methodologies"

Annex 23 - Information note on "Criteria for graduation and expansion of positive list of technologies under the small-scale CDM”

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