

 <p align="center">CDM: Form for Submissions on Small Scale Methodologies and Procedures (version 03) <i>(To be used for presenting questions/proposals/amendments related to the simplified methodologies for small-scale CDM project activity categories)</i></p>	
Name:	Naoki MATSUO Institution: Climate Experts, Ltd.
Affiliation ¹ :	<input type="checkbox"/> DNA <input type="checkbox"/> DOE <input checked="" type="checkbox"/> PP <input type="checkbox"/> Stakeholder
Title/Subject (max. 200 characters):	Revision for AMS-I.E.(ver. 04): Switch from non-renewable biomass for thermal applications by the user
Purpose of the submission:	<input type="checkbox"/> Query on an approved SSC methodology or small scale procedures ² (Fill in field 1. below) <input checked="" type="checkbox"/> Request for Revision of an approved SSC methodology (Fill in fields 2. and 3. below) <input type="checkbox"/> Proposal for a new SSC methodology (Fill in fields 4. and 5. below)
Approved SSC methodologies ² to which your submission relates to, if applicable.	AMS-I.E: Switch from non-renewable biomass for thermal applications by the user, version 4.0
Contact Information (e-mail addresses to which the answers are to be delivered and phone contacts for possible dialogue on the submission).	n_matsuo@climate-experts.info
Information for completing the form Describe the questions related to the SSC Methodologies, Modalities and Procedures below. If the questions are related to a project under development or implementation, you may describe the context in which they arose.	
Query on an approved SSC methodology or SSC procedures	
1. If you have questions relating to the application of an approved small-scale methodology (AMS) please specify and provide reference to the exact technology/measure below. If you have questions related to procedures for SSC project activities please clarify below:	
Not applicable	
Request for revision of an approved SSC methodology	
2. If you are proposing an amendment/revision to an approved small-scale methodology (AMS), please provide justifications below:	

¹ Designated National Authority (DNA); Designated Operational Entity (DOE); Project Participant (PP), and Stakeholder.

² The list of all approved small-scale methodologies (AMS) can be found at <http://cdm.unfccc.int> and go to CDM: small scale CDM methodologies.

The paragraph 6 of the methodology (below in roman) required the following options for estimation of quantity of woody biomass that is displaced by the project.

- (a) Calculated as the product of the number of appliances multiplied by the estimate of average annual consumption of woody biomass per appliance (tonnes/year); This can be derived from historical data or estimated using survey methods; or
- (b) Calculated from the thermal energy generated in the project activity as:;

Regarding determination of biomass displaced, the option (a) required average annual consumption of woody biomass per appliance. The “appliance” here can be interpreted as cook stoves and boilers.

The matter here is that the requirement of the option (a) is applicable for boilers well and truly. However, in the case of households based cook stoves, grasping biomass consumption per stove is not realistic and very challenges in most developing countries where households most probably use more than one stove for cooking (same type or different type) for different conditions. For example, use outdoor stove in summer or fine days and indoor stove in winter or rainy days. On the other hand, we see several survey report for biomass consumption “per household”.

Therefore, the following revision is recommended for the option (a).

- (a) *Calculated as the product of the number of appliances or number of households multiplied by the estimate of average annual consumption of woody biomass per appliance or per household (tonnes/year); This can be derived from historical data or using survey methods undertaken by project participants or by a reliable third party with documentation.*

As for the option (b) (Calculated from the thermal energy generated in the project activity), it is required to grasp/have the quantity of thermal energy generated by the new renewable energy technology (biogas stoves, solar cookers, passive solar homes) in the project.

The term of “thermal energy” generated by the new renewable technology” may have DOE go far to require PP to monitor the physical quantity of the heat generated by, e.g., cook stove (this request actually happened!). We see no scientific lab in rural villages...

Obviously the term of thermal energy generated by the renewable energy technology in the project indicates the heat value of fuel that combusted through the new renewable technology (biogas stoves, boilers, solar cookers) and obtained by the end users. Thus a rational approach to estimate thermal energy is using the measured quantity of renewable energy (biogas, solar energy) and heat content or caloric value of the renewable energy through taking an efficiency of renewable technology into account.

Therefore, it is recommended to insert “(heat content of the fuel)” after “thermal energy”.

$HG_{p,y}$ Quantity of thermal energy (heat content of the fuel) generated by the new renewable energy technology in the project in year y (TJ). $HG_{p,y}$ can be monitored either demand-side or supply-side. If supply-side monitoring is applied, appropriate procedure is needed to ensure that the physical leakage between these sides is negligible.

Taking account of requirement of standardized baselines by the CMP, the following can be added for revision:

In case the host government provides standardized specification of the heat generation by size (and/or by other spec) of the technology to generate fuel (e.g., standard biogas generation rate by the size of biogas digester) under the governmental programme, such standardized value in the host country or region can be applied.

3. If you are proposing an amendment/revision to an approved small-scale methodology (AMS) please provide the draft methodology with changes highlighted.

The following documents have been attached to this form:	
Draft methodology with changes highlighted in Word and PDF formats	
Taking account of requirement of <i>standardized baselines</i> by the CMP, the following can be added for revision:	
<input type="checkbox"/> In case the host government provides standardized specification of the heat generation by size (and/or by other spec) of the technology to generate fuel (<i>e.g.</i> , <input type="checkbox"/> PDD in PDF format (optional) <input type="checkbox"/> Additional information (please specify if you are providing any information note, published paper or a report in support of the request for revision of the SSC methodology)	
Proposal for a new SSC methodology	
4. If you are proposing a new small scale methodology, please provide justifications below:	
Not applicable	
5. For submitting a new small scale methodology a filled in form "CDM: form for proposed new small scale methodologies (F-CDM-SSC-NM)" is required.	
The following documents have been attached to this form: <ul style="list-style-type: none"> <input type="checkbox"/> Completely filled in form "CDM: form for proposed new small scale methodologies (F-CDM-SSC-NM)" in Word and PDF formats³ <input type="checkbox"/> A draft PDD (with sections A to C completed): <ul style="list-style-type: none"> <input type="checkbox"/> Relevant annexes to the PDD are provided <input type="checkbox"/> Additional information (please specify if you are providing any information note, published paper or a report in support of the new SSC methodology) 	
Date you are delivering the contribution:	24/05/2011
Information to be completed by the secretariat	
SSC-Submission number	

³ The current version of the form (F-CDM-SSC-NM) is available on the UNFCCC CDM website (<http://cdm.unfccc.int>).