 <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:	Luca Morganti Institution: First Climate Group
Affiliation ¹ :	<input type="checkbox"/> DNA <input type="checkbox"/> DOE <input checked="" type="checkbox"/> PP <input type="checkbox"/> Stakeholder
Title/Subject (max. 200 characters):	Request for revision of AMS.III.Q to be used in combination with AMS.III.AL for multiple waste heat sources
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.III.Q Waste energy recovery (gas/heat/pressure) projects
Contact Information (e-mail addresses to which the answers are to be delivered and phone contacts for possible dialogue on the submission).	Luca.morganti@firstclimate.com ; Mischa.Classen@firstclimate.com Tel: +86 10 8580 0316 or +41 44 298 2882
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:	
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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:	

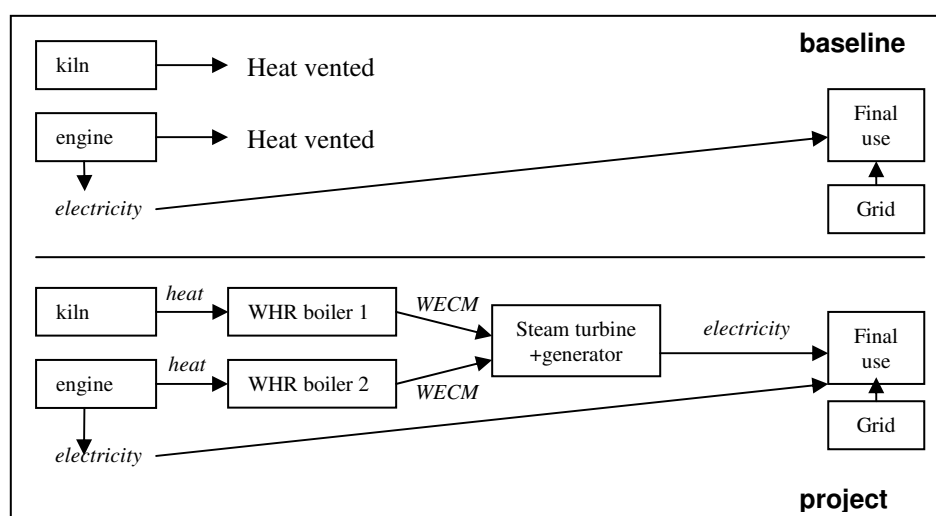
¹ Designated National Authority (DNA); Designated Operational Entity (DOE); Project Participant (PP), and Stakeholder.

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 request relates to an earlier request (SSC_497) to extend AMS-III.Q to project activities with multiple waste heat sources, some of which, once recovered, would transform single-cycle power units (e.g. gas turbine or diesel generator) into a combined cycle.

Currently, due to condition 6.c at page 2, methodology AMS-III.Q excludes cases where the waste gas/heat recovery project is implemented in a single-cycle power plant where heat on-site is not utilisable for any other purpose except to generate power.

In a real case (PDD attached) of a cement factory, the project activity aims at collecting waste heat from a kiln AND from an internal combustion engine. Both waste heat sources are not utilisable for any other purpose on-site except to generate power. Steam is generated in two separate waste heat recovery boilers, and then it is fed to the same steam turbine to produce electricity. The electricity output of the project activity can be allocated clearly to the respective waste heat source (kiln or engine) based on the portion of the energy input in the steam turbine, i.e. proportionally to the enthalpy of the Waste Energy Carrying Medium (WECM) streams, calculated from measures of the quantity of steam, temperature and pressure at the output section of the waste heat recovery boilers.



The revision aims at allowing combined use of AMS-III-Q with AMS-III-AL, where each methodology is applied to the respective component, i.e. AMS-III-Q to the waste heat (and respective electricity output) that does not constitute a combined cycle, and AMS-III-AL for the portion of waste heat (and respective electricity output) that represents a conversion of a single cycle (IC engine) into a combined cycle (IC engine + steam turbine).

For each of the 2 components, the respective methodology is used to determine the baseline and to set the parameters to be monitored. Additional clause is added in AMS-III-Q to ensure that the WECM stream parameters are adequately measured to ensure objective allocation of the electricity output to the 2 components.

In this way the CDM could provide incentive to make best use of all of the potentially available waste heat sources in a plant. In the current form, the methodology is not even application to the elemental process component (e.g. the kiln) due to the presence of the ineligible heat (from IC engine) within the project boundary.

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
- ☒ PDD in PDF format (optional)
- ☐ 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:

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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:

- ☐ Completely filled in form “CDM: form for proposed new small scale methodologies (F-CDM-SSC-NM)” in Word and PDF formats³
- ☐ A draft PDD (with sections A to C completed):
 - ☐ Relevant annexes to the PDD are provided
 - ☐ 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:

14/02/2011

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>).