

GOLD STANDARD PASSPORT

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SECTION A. Project Title

NAME /TITLE OF THE PoA:

Improved Cook Stoves programme for Rwanda
GS 1023
PoA Passport version: 7.0
09 December 2014

NAME /TITLE OF THE CPA:

Improved Cook Stoves programme for Rwanda #CPA2 Cameroon
GS 4365
CPA Passport version: 2.0
28.01.2016

SECTION B. Project description

This CPA is part of the PoA: *Improved Cook Stoves programme for Rwanda*

Description of the SSC CPA:

Entities involved in the CPA

The small-scale CPA will be implemented by Pro Climate International and/or other Implementing Entities (hereafter referred to as "IE(s)"). atmosfair gGmbH is the CME of the PoA.

Technology to be deployed

The SSC-CPA will apply SAVE80 cookstove, a state of the art of technology for efficient stove. It is a portable stove made of stainless steel, developed and prefabricated by a German manufacturer and constructed locally to create employment and income. As per specification of the manufacturer, the SAVE80 needs only about 250 g of small brittle sticks of wood to bring 6 litres of water to the boil, 80% less than traditional fire places and has a specified thermal efficiency of 52%¹. The design ensures preheating of the air and a complete combustion with no visible smoke and only small amounts of ash.

Design of the SAVE80 may develop over time. There is no technology transferred, however there will be know-how transfer of stoves construction. The parts of the SAVE80 stoves to be distributed to the users will be imported from Germany and constructed at the project site by the CPA implementers under guidance of the CME.

¹ See manufactures specifications

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The stoves used in the CPA will be newly produced stoves (no equipment transfer from existing project site).

SAVE80 type stove is a simple technology based on scientific concepts and easy to operate. It has been used in several countries² and is proven to be satisfying^{3,4}. The technology and know-how used in the project activity is environmentally safe and sound. As long as users follow the procedure for operation and regular maintenance, problems or damage can be minimized.

Applicable Scenarios as defined in the PoA-DD:

The Save80 is a household size ICS. Therefore only scenarios 1)-3) (as defined in section B.4. of the Generic CPA-DD) apply for this CPA.

Agreement with households as receiver of ICS in the CPAs

The households will sign purchase contracts which contain at least the following information:

- CER rights are ceded to the CME
- Delivery date
- User details (Name, place of living, etc.)
- Type of ICS deployed
- Serial Number (Stove-ID) of appliance
- Implementing Entity (e.g. Pro Climate International)
- Type of stove predominantly used before ICS was purchased (fire wood stove, efficient charcoal stove (including clay), none efficient charcoal stove (all metal).
- Agreement to collaborate for monitoring activities.

Monitoring

All information obtained from the users (e.g. through purchase contracts) are transferred to an electronic database. Hardcopies will be stored.

²Report covering the mission "stove Save 80" in refugee camps in eastern Chad:
bigee_residential_cooking_stoves_good_practice_save80

³ <http://www.rwe.com/web/cms/en/113648/rwe/press-news/press-release/?pmid=4004208>

⁴ http://www.bioenergylists.org/files/Save80_0.pdf

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Indicative none binding implementation schedule for the CPA (in line with SSC limits)

Period	Average Annual GHG emission reductions for each year
Year 1	20,952
Year 2	20,952
Year 3	20,952
Year 4	20,952
Year 5	20,952
Year 6	20,952
Year 7	20,952
Year 8	20,952
Year 9	20,952
Year 10	20,952

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SECTION C. Proof of project eligibility

C.1. Scale of the Project

Please tick where applicable:

Project Type	Large	Small
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>

C.2. Host Country

Republic of Cameroon

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C.3. Project Type

Please tick where applicable:

Project type	Yes	No
Does your project activity classify as a Renewable Energy project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Does your project activity classify as an End-use Energy Efficiency Improvement project?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Please justify the eligibility of your project activity:

- The CPA is a small scale CPA because, as a Type II (energy efficiency) CPA, the maximum energy savings of the sum of all improved cook stoves implemented under this specific CPA will not exceed thermal energy savings of 180 GWh/ year, as per the applied methodology AMS-II.G.
- Cameroon has ratified the Kyoto Protocol making it a country eligible to host Clean Development Mechanism (CDM) programmes.
- The CPA is in the End-use Energy Efficiency Improvement category as it reduces the amount of energy required for delivering or producing non-energy physical goods or services.
- The CPA reduces CO₂ which is a greenhouse gas emission eligible under both the Kyoto Protocol and Gold Standard.
- CPA activities involving a large amount of small, distributed heating, cooking or electricity generation devices using renewable energy sources shall provide the Gold Standard with a clear description of the transfer of credits ownership all along the investment chain, and with proof that end-users are aware of and willing to give up their rights on emission reductions: All buyers will sign a user agreement. In signing this agreement, users will certify the following statement (also translated into the local language): “I agree not to claim any emission reductions for the use of the efficient cook stove, but cede the emission reductions the stove generates to the CME of the PoA (atmosfair gGmbH).”

Pre Announcement	Yes	No
Was your project previously announced?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>Explain your statement on pre-announcement</p> <p>This CPA is part of the PoA “Improved Cook Stoves Programme for Rwanda” The programme proponent attests that there has been no announcement made previously of the programme going ahead without the revenues from carbon credits. There was no pre announcement made prior to the start of the programme but an announcement was made prior to the registration of the programme.</p>		

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C.4. Greenhouse gas

Greenhouse Gas	
Carbon dioxide	✓
Methane	<input type="checkbox"/>
Nitrous oxide	<input type="checkbox"/>

C.5. Project Registration Type

Project Registration Type	
Regular	✓

Pre-feasibility assessment	Retroactive projects (T.2.5.1)	Preliminary evaluation (eg: Large Hydro or palm oil-related project) (T.2.5.2)	Rejected by UNFCCC (T2.5.3)
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If Retroactive, please indicate Start Date of Construction
dd/mm/yyyy: _____

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SECTION D. Unique project identification

D.1. GPS-coordinates of project location

	Coordinates
Latitude	6.0000°N
Longitude	12.000°E

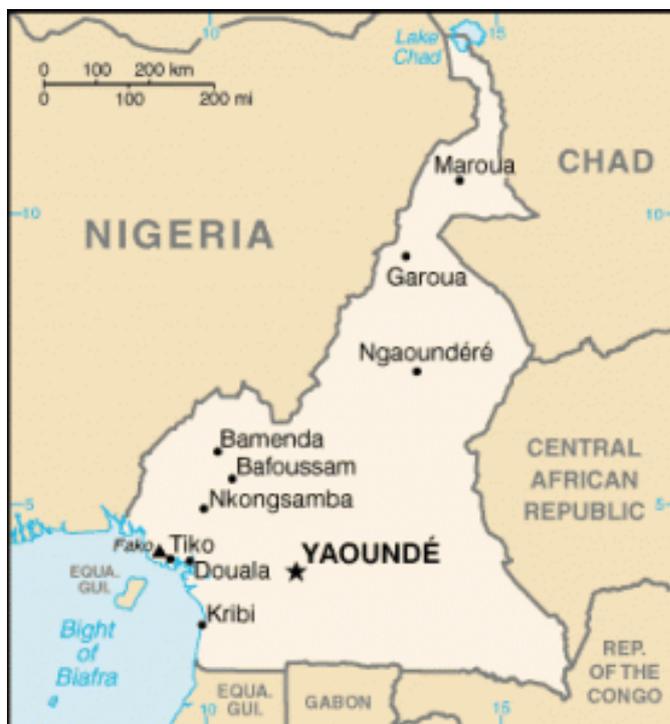
GPS coordinates provided are for Cameroon.



The geographical area within which all small-scale CDM programme activities (SSC-CPAs) included in the PoA will be implemented, is the borders of Republic of Cameroon and Rwanda.

For this specific CPA the physical boundary is the Republic of Cameroon.

D.2. Map



Source: <http://fr.wikipedia.org/wiki/Cameroun>

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SECTION E. Outcome stakeholder consultation process

E.1. Assessment of stakeholder comments

General remarks:

Local Stakeholder Consultations will be conducted for a group of 5 CPAs per country, as long as the following inclusion criteria can be demonstrated in each CPA passport with evidences provided at time of CPA listing.

N°	Inclusion Criteria	Evidence document
1	The activity of the CPA is similar, i.e. it is the dissemination of improved cook stoves (ICS)	CPA-DD
2	The ICS deployed in the CPA has a thermal efficiency of at least 20%	Efficiency specification from manufacturer or certificate from a national standards body or a certifying agent recognized by it
3	The ICS type is similar i.e. it domestic ICS burning firewood	Product data sheets or specification or product information sheets from manufacturer
4	The CPAs are close enough to each other in time	(CDM) CPA inclusion within 3 years of first (CDM) CPA inclusion of that group of CPAs
5	CPA is in line with the Do No Harm Assessment requirements as determined in the PoA Passport and does not compromise any of the safeguarding principles.	Written declaration by implementing agency/ PP
6	Documented cooking demonstrations are carried out in the core regions where ICS dissemination will mainly take place	Documentation and picture of cooking demonstrations carried out

Since this is the second CPA no separate LSC is required. Therefore please refer to the Section E.1. of the PoA Passport for the assessment of the stakeholder comments.

E.2. Stakeholder Feedback Round

Stakeholder Feedback Round is done at PoA level. Please refer to the Section E.2 of the PoA Passport for GS 1023.

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SECTION F. Outcome Sustainability assessment

F.1. 'Do no harm' Assessment

Do No Harm Assessment is done at PoA level. Please refer to the Section F.1. of the PoA Passport for GS 1023.

F.2. Sustainable Development matrix

SD Assessment is done at PoA level. Please refer to the Section F.2 of the PoA Passport for GS 1023.

Inclusion check SD criteria (SD criteria as defined in Section H.3 of the PoA Passport for GS 1023)

SD indicator scored positive at frozen PoA SD matrix	Inclusion criteria to check compliance of CPA with SD indicator at time of inclusion
Livelihood of poor	<p>The technology of the CPA is an improved cook stove. The relevant parameter is money savings. Money savings will be determined in the household survey ex-post and are part of the monitoring and as such included in the monitoring plan.</p> <p>Hence, inclusion criteria to check at time of inclusion:</p> <ol style="list-style-type: none"> 1. Whether the technology of the CPA is an improved cook stove 2. Whether in the monitoring plan of the CPA, PP includes parameter money savings to be determined via household survey
Livelihood of the poor	<p>The technology of the CPA is an improved cook stove. The relevant parameter is the time spent in acquiring fuel and cooking on an improved stove. Time budgets will be determined in the household survey ex-post and are part of the monitoring and as such included in the monitoring plan.</p> <p>Hence, inclusion criteria to check at time of inclusion:</p> <ol style="list-style-type: none"> 1. Whether the technology of the CPA is an improved cook stove 2. Whether in the monitoring plan of the CPA, PP includes parameter time budgets to be determined via household survey
Quantitative employment and income generation	<p>The technology of the CPA is an improved cook stove. The relevant parameter is number of jobs created and income generated by the project.</p> <p>Hence, inclusion criteria to be checked at time of inclusion:</p> <ol style="list-style-type: none"> 1. Whether in the monitoring plan of the CPA, PP includes a parameter on number of jobs created and income generated by the people employed in the project.

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SECTION G. Sustainability Monitoring Plan

No	1	
Indicator	Livelihood of the Poor	
Mitigation measure	NA	
Chosen parameter	Money saved from reduced consumption of fuel	
Current situation of parameter	Users of traditional fireplaces such as the three-stone-fire spent a high share of their available income on fuel wood. Savings from purchasing less cooking fuel will increase the amount of disposable income available.	
Estimation of baseline situation of parameter	See above	
Future target for parameter	Decreased firewood and charcoal consumption for cooking (or boiling water) will reduce money spent on fuel.	
Way of monitoring	How	In the household survey, households which are part of the CDM monitoring sample group will be asked whether they think less money is spent on fuel for cooking on the improved cook stove, in comparison to using a standard inefficient cook stove (wood or charcoal). The sample size for this monitoring parameter will be the same as for CDM monitoring parameter DO _y (drop outs) and is established at time of doing the survey. However in order to be conservative a minimum size applies: Minimum sample size: 30.
	When	Annual or biennial but records are continuously maintained until the end of the crediting period.
	By who	Project proponent
Mitigation measure	NA	
Chosen parameter	Whether less time is spent in acquiring fuel for cooking on improved cook stove	
Current situation of parameter	In particular women and children, currently spend a significant portion of their time acquiring fuel for cooking.	
Estimation of baseline situation of parameter	See above	
Future target for parameter	Decreased amount of time spent acquiring fuel	

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Way of monitoring	How	In the household survey, users will be asked whether they think less time is spent acquiring fuel and cooking on the improved cook stove, in comparison to acquiring fuel and cooking when using a standard inefficient cook stove. The sample size for this monitoring parameter will be the same as for CDM monitoring parameter DO _y (drop outs) and is established at time of doing the survey. However in order to be conservative a minimum size applies: Minimum sample size: 30
	When	Annual or biennial but records are continuously maintained until the end of the crediting period.
	By who	Project Proponent

No	2	
Indicator	Quantitative employment and income generation	
Mitigation measure	NA	
Chosen parameter	Number of jobs created and income generated for the people employed in the project.	
Current situation of parameter	More than 40 % of Cameroon's population live below the poverty line and 70% of the population is depending on agro-pastoral activities. ⁵ Currently, there are only two ICS project registered under the CDM as Programme of Activities. ⁶ Thus, it can be assumed that ICS project management related jobs are scarce in Cameroon.	
Estimation of baseline situation of parameter	See above	
Future target for parameter	Jobs will be created and maintained through the sale of the stove, the database management and the monitoring activities such as the conduction of Water-Boiling Tests and interviews. Consequently, the project activity will generate additional jobs which result in an increase of household income of the respective employees.	
Way of monitoring	How	Copies of payment slips or work contracts of people employed in the project will be maintained.
	When	Annual or biennial but records continuously maintained until the end of the crediting period.
	By who	Project Proponent

Additional remarks monitoring

⁵ <http://www.wfp.org/countries/cameroon>

⁶ <http://cdm.unfccc.int/ProgrammeOfActivities/registered.html>

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In order to monitor the continuous use of the baseline stove the following approach is applied:

As part of the monitoring survey household members are asked to provide the average number of eaters for whom meals are prepared on the ICS (monitoring parameter in the

PDD: $N_{eaters_project}$) and a cap on the maximum number of eaters per ICS is introduced (parameter HH_CAP).

There might be certain circumstances which require users to use another stove in addition to the ICS in order to provide food for many people during occasions like parties, celebrations and other special circumstances.

In order to exclude the wood consumption of such occasions and therefore excluding the continuous use of baseline appliances from Bold the monitoring parameter $N_{eaters_project}$ (average number of eaters for whom meals are prepared on the ICS) is included. It should be noted that the monitoring parameter is not monitoring the number of family members in a household but the average number of eaters for whom meals are prepared. This means the household member interviewed is asked to estimate for how many people of the households the food is prepared on the ICS on average.

In addition there will be situations that households buy a stove which is not suitable for their household size i.e. there are too many people living in a household to be reasonably catered for with the ICS provided.

These cases are considered by our monitoring approach. The maximum number of eaters per ICS are capped as the 'maximum number of eaters per stove type' is defined conservatively ex-ante (ex-ante parameter in the PDD: HH_CAP). The baseline wood consumption per household is therefore capped since the value for the average number of eaters per household for whom meals are prepared on the ICS ($N_{eaters_project}$) will always be equal or lower than the household cap of the ICS. By introducing the cap the robustness of the monitoring concept is increased since it is likely that there will be numerous households which state that the numbers of eaters for whom meals are prepared on the ICS are actually more than the household Cap applied. The Emission Reductions claimed are therefore discounted which is conservative.

SECTION H. Additionality and conservativeness



H.1. Additionality

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The assessment of additionality is done on a PoA level and a typical SSC-CPA included under the SSC-CDM-PoA is therefore deemed to be additional in itself as long as eligibility criteria 11 is fulfilled.

The additionality of the PoA is demonstrated using the criteria outlined in the guidelines on the demonstration of additionality of small-scale project activities version 9.0 EB 68 Annex 27. As demonstrated in E.5.1 of the PoA, CDM enables the CME and/or Implementing Entities to run the proposed programme. It is assumed that all ICSS installations and hence all SSC-CPAs which are going to be included under the registered PoA are additional, provided they meet the eligibility criteria for inclusion of a SSC-CPA in the PoA as set in section A.4.2.2. of the PoA.

In the very unlikely event that the calculation performed for the debundling check reveals that a unit is larger than 5% of the SSC threshold, the additionality for the SSC-CPA needs to be demonstrated in the specific CPA-DD and to be validated by a DOE before inclusion into the PoA-DD. The additionality of the CPA is to be demonstrated at CPA level and will be checked by the DOE before the CPA is included into the PoA.

If all stoves of the CPA remain under the 5% SSC threshold, Paragraph 2. (c) of EB 68 Annex 27 (automatic additionality) applies and the assessment of additionality is done on PoA level and a typical SSC-CPA included under the SSC-CDM-PoA is therefore deemed to be additional in itself as long as the eligibility criteria are complied with.

H.2. Conservativeness

The methodology that is used to calculate the baseline is AMS-II.G., version 3 which is approved by the CDM Executive Board and which can be used under the Gold Standard. The methodology chosen leads to a conservative estimate of the baseline, as is also indicated in the guidance from the CDM Executive Board, in order to reduce the risk of artificially inflating the number of CERs received by a project activity. As demonstrated in E.4. of the PoA, as per AMS-II.G., version 3, it is assumed that in the absence of the PoA, the baseline scenario would be the use of fossil fuels for meeting similar thermal energy needs. Therefore, emission reductions are calculated by multiplying the thermal energy from annual biomass savings stemming from non-renewable biomass with an emission factor of the substitution fuels likely to be used by similar users, on a weighted average basis. This CPA will include 3 different scenarios, the baseline woody biomass consumption will be calculated according to the following scenarios:

- 1) Household users currently predominantly cooking with efficient charcoal stoves
- 2) Household users currently predominantly cooking with inefficient charcoal stoves
- 3) Household users currently predominately cooking with wood

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ANNEX 1 ODA declaration



ANNEX D - OFFICIAL DEVELOPMENT ASSISTANCE DECLARATION

Date: 28.01.2016

The Gold Standard Foundation

79 Avenue Louis Casai

Geneva Cointrin, CH-1216

Switzerland

RE: Declaration of Non-Use of Official Development Assistance (ODA) by Project Owner of GS 4365

atmosfair gGmbH

As Project Owner of the above-referenced Project, and acting on behalf of all Project Participants, I now make the following representations:

Sven Bratschke

I hereby declare that I am duly and fully authorized by the Project Owner of the above-referenced project to act on behalf of all Project Participants and make the following representations:

I. The Gold Standard Documentation

I am familiar with the provisions of The Gold Standard Documentation relevant to ODA. I understand that the above-referenced Project is not eligible for Gold Standard registration if the Project receives or benefits from ODA with the condition that some, or all, of the carbon credits [CERs] coming out of the Project are transferred to the ODA donor country. I hereby expressly declare that no financing provided in connection with the above-referenced Project has come from or will come from ODA that has been or will be provided under the condition, whether express or implied, that any or all of the carbon credits issued as a result of the Project's operation will be transferred directly or indirectly to the country of origin of the ODA.

II. Duty to Notify Upon Discovery

If I learn or if I am given any reason to believe at any stage of project design or implementation that ODA has been used to support the development or implementation of the Project covered by this Declaration, or that an entity providing ODA to the host country may at some point in the future benefit directly or indirectly from the carbon credits generated from the Project as a condition of investment, I will notify The Gold Standard immediately using the Amended ODA Declaration Form provided below.

III. Investigation



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The Gold Standard reserves the right to conduct an investigation into any project it reasonably believes may be receiving ODA with the condition that some or all of the carbon credits from the Project will be transferred to the ODA donor country.

IV. Sanctions

I am fully aware that the sanctions identified in The Gold Standard Terms and Conditions may be applied to me or the above-referenced Project in the event that any of the information provided above is false or I fail to notify The Gold Standard of any changes to ODA in a timely manner.

I swear that all of the statements contained herein are true to the best of my knowledge.

Signed: S. Bratschke
Name: SVEN BRATSCHKE
Title: PROJECT MANAGER
On behalf of: ATMOSFAIR gGmbH
Place: BERLIN, GERMANY



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