

GOLD STANDARD POA PASSPORT

CONTENTS

- A. Programme title
- B. Programme description
- C. Proof of programme eligibility
- D. Stakeholder Consultation and Sustainability Assessment at PoA/CPA(VPA) level
- E. Outcome of the stakeholder consultation process at PoA level
- F. Outcome sustainability assessment
- G. Sustainability monitoring plan
- H. Additionality, conservativeness, inclusion criteria and other deviations

Annex 1 ODA declarations



SECTION A. Programme Title

NAME /TITLE OF THE PoA:

Improved Cook Stoves Programme for Rwanda GS 1023

Version 07

09 December 2014

SECTION B. Programme description

Objective of the Programme

The objective of the PoA is to distribute ICS to reduce carbon emissions, reduce health problems related to smoke, reduce deforestation and erosion due to extensive firewood sourcing and to increase spending power of rural households.

Proposed Activity

The programme will replace traditional stoves with high efficiency biomass fired cook stoves (hereafter referred to as "Improved Cook stoves" or "ICS") in Rwanda and Cameroon.

Rwanda is amongst the Least Developed Countries (LDCs) in the world¹. Densely populated rural areas which mainly use charcoal for cooking, e.g. Kigali are the main target areas. Cameroon has recorded significant damage to its ecosystems in the last several decades following the unsustainable use and exploitation of natural resources. An estimated 73.5% of the Cameroonian households use wood for cooking² which translates to a fuel wood consumption of 17,359,000 cubic meters for the year 2010³.

The use of wood and charcoal which is derived from wood leads to deforestation, erosion and environmental problems throughout Rwanda and Cameroon. The use of charcoal also leads to high cost for households for cooking.

Contribution to Sustainable Development and the Millennium Development Goals *Environment*

Introduction of the programme will help to preserve the existing forests due to current consumption activities of biomass, particularly woods. Furthermore, it will help preventing adverse changes in the ecosystem as a result of deforestation leading to erosion which could harm the local community. The PoA will trigger communities to maintain and

¹ http://www.unohrlls.org/en/ldc/related/62/

² Improved cookstove as an appropriate technology for the Logone Valley (Chad – Cameroon): Analysis of fuel and cost savings by Vaccari et al (http://www.sciencedirect.com/science/article/pii/S0960148112002492)

³ http://data.un.org/Data.aspx?q=fuelwood&d=EDATA&f=cmID%3aFW [Accessed 16.09.2013]



preserve the forest so that they could continuously maintain their traditional live and get benefit from the programme. The use of ICS will reduce the pressure placed on local forests (as firewood resources and for the production of charcoal) through less amount firewood being consumed. Also, it helps preventing wood from being harvested faster than it is being grown.

Social

The implementation of the PoA will create temporary and permanent employment opportunities through dissemination, assembly, and customer support activities. Other opportunity will come from monitoring activities which may also involve people from the local community.

Economic

The PoA will yield environmental, social as well as economic benefit.

If households are purchasing charcoal or wood, the costs savings from switching to wood or by reducing the wood consumption will result in a substantial reduction of expenditures for the daily fuel supply for cooking. Less money will be spent on charcoal and wood and more money will be available to be spent on food, medical care and education. Thus, local people will have opportunity to enjoy a higher standard of living and they will acquire knowledge about energy and environmental conservation.

For households currently cooking with collected wood the application of more efficient stoves will reduce time spent collecting firewood by the community resulting in income-producing activities (more time can be saved to earn cash or produce other goods and services/boosting family's income).

Estimated start date of the PoA: 01/10/2012 or date of CDM registration of the PoA whichever is later

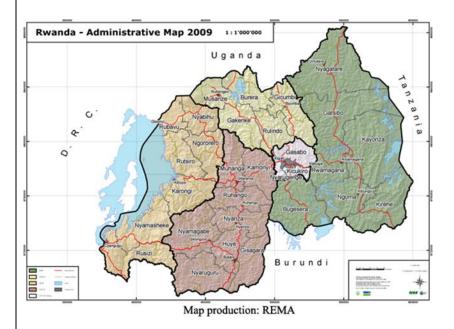


SECTION C. Proof of programme eligibility

C.1. Location of the Programme of Activities (Physical/Geographical boundary)

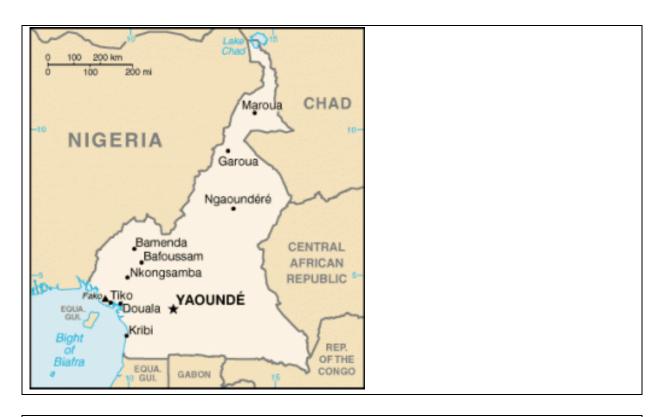
The geographical area within which all small-scale CDM programme activities (SSC-CPAs) included in the PoA will be implemented, is the borders of the Republic of Rwanda and the Republic of Cameroon.

GPS coordinates provided are for Rwanda: 2 00 S, 30 00 E.



GPS coordinates provided for Cameroon are: 6.0000°E, 12.000°N





C.2. Programme Type

Please tick where applicable⁴:

Programme type	Yes	No
Does your programme activity classify as a Renewable Energy project?		•
Does your programme activity classify as an End-use Energy Efficiency Improvement programme?	•	

Please justify the eligibility of your programme:

- The programme is a small scale programme because, as a Type II (energy efficiency) programme, the maximum energy savings of the sum of all improved cook stoves implemented under a specific CPA will not exceed thermal energy savings of 180 GWh/ year, as per the applied methodology AMS-II.G.
- Rwanda and Cameroon have ratified the Kyoto Protocol making it a country eligible to host Clean Development Mechanism (CDM) programmes.
- The PoA 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 PoA reduces CO₂ which is a greenhouse gas emission eligible under both the

⁴ In case your project activity falls under both categories, please check both the Yes boxes.



Kyoto Protocol and Gold Standard.

• PoA 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)."

Yes

No

Pre Announcement

Was your programme previously announced?					
Explain your statement on pre announcement					
The programme proponent attests that there has been no announcemen	t made pro	eviously of			
the programme going ahead without the revenues from carbon credits. T	here was	no pre			
announcement made prior to the start of the programme but an announc	ement wa	s made			
prior to the registration of the programme.					
C.3. Greenhouse gas					
Greenhouse Gas					
Carbon dioxide		√			

SECTION D. Stakeholder Consultation and Sustainability Assessment at PoA/ CPA (VPA) level

	PoA	CPA/VPA
At what level is the LSC done?	✓	
At what level is the SD assessment done?	✓	

Methane

Nitrous oxide



At what level is the DNH assessment done?	✓	
---	---	--





Provide justification if the LSC/SD/DNH assessment is done only at PoA level.

Public participation for the project activity has formed an integral part of project planning; dissemination of ICS would not be possible without a demand by the users. Every user voluntarily decides to purchase a ICS and therefore decides voluntarily to participate in the project activity.

The stakeholder consultation in Rwanda was held on 18 February 2011; the consultation which was held at the St. Famille Church conference room in Kigali. The stakeholder consultation in Cameroon was held on 07 November 2013; the consultation was held at Tou'Ngou Hotel in Yaoundé.

Please note that the Stakeholder consultation was organised on PoA level since all CPAs will implement a similar activity (domestic improved cookstoves) and feedback of the end users will be constantly gathered during the cooking demonstrations.

Provide set of Sustainable Development Criteria for inclusion of CPA/VPA if SD assessment is done only at PoA level

SD indicator scored	Inclusion criteria to check compliance of CPA with SD indicator at time	
positive at freezed	of inclusion	
PoA SD matrix		
Livelihood of poor	The technology of the CPA is an improved cookstove. 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. Hence, inclusion criteria to check at time of inclusion: 1. Whether the technology of the CPA is an improved cookstove 2. Whether the monitoring plan of the CPA PP includes	
	parameter money savings to be determined via household survey	
Livelihood of the	The technology of the CPA is an improved cookstove. The relevant	
poor	parameter is the time spent in acquiring fuel and cooking on improved stove. Time budgets will be determined in the household survey expost and are part of the monitoring and as such included in the monitoring plan. Hence, inclusion criteria to check at time of inclusion: 1. Whether the technology of the CPA is an improved cookstove 2. Whether the monitoring plan of the CPA PP includes	
	parameter time budgets to be determined via household survey	
Quantitative	The technology of the CPA is an improved cookstove. The relevant	
employment and	parameter is number of jobs created and income generated by the	



income generation	project.
	Hence, inclusion criteria to be checked at time of inclusion:
	1. Whether 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.

E.1. Assessment of stakeholder comments

Rwanda

The stakeholder consultation was held on 18 February 2011; the consultation which was held at the St. Famille Church conference room in Kigali. Stakeholders invited included:

- Community members
- Representatives from the Ministry of Infrastructure and Energy, Ministry of Forest and Mines, Ministry of Environment and Lands, Ministry of Local Government, Ministry of Trade and Industry, National Forestry Authority, Rwanda Environment Management Authority, Rwanda Utilities Regulatory Authority, and the Designated National Authority
- Representatives from the Private Sector Federation
- Embassy representatives
- Non-governmental organization representatives
- United Nations representatives
- International technical agency representatives

The agenda of the meeting consisted of:

- Introductions of participants
- Introduction of the project
- Questions regarding the project
- Sustainable development exercise
- Discussion on monitoring of sustainable development
- Closure

Participants completed feedback forms about the project and the meeting.

Below is an assessment of stakeholder comments.

Stakeholder comment	Was	Explanation (Why? How?)	
	comment		
	taken into		
	account		
	(Yes/ No)?		
Is the name of the Save80 based	Yes	Wood savings	



on cost savings or wood savings?		
How will the Save80s be marketed?	Yes	Enedom will hold demonstrations of the stove at markets, in workshops and at umuganda (monthly community service). The Save80 will also be available for purchase at the Enedom office in Kigali
The products are coming from Germany. Can they be made locally?	No	As there are Save80 programmes in other countries, there are ongoing discussions to produce them locally. However, at the moment, due to the high cost of material (particularly stainless steel), it is not technically feasible and also wouldn't be cost effective to produce the stoves locally in each country.
How will people get wood as most people in Kigali are used to using charcoal, which is readily available?	Yes	The wood availability needs to be organized. Jean Marie Kayonga (who is selling the Save80 stoves) has begun drying wood in his workshop and he plans to sell it at charcoal kiosks and markets. If the demand is great enough, others will also begin to sell wood. Enedom has, since the start of its engagement with the PoA, been gathering and drying wood to sell to Save80 users. As the demand for wood increases, Enedom will organize other wood



		distributers. As Enedom
		receives a payment linked
		to the issuance of carbon
		credits, which will only be
		issued following the use of
		wood in the improved
		cookstoves, Enedom is
		highly incentivized to
		ensure that wood is
		available to the Save80
		users.
You mentioned the wood and	Yes	For the user, fuel and cost
cost savings from the cookstove		savings are most relevant.
but what are the energy savings?		However, 80% of energy is
		saved, in comparison with
		a 3 stone fire.
Can other saucepans be used on	Yes	Any saucepan that rests on
the Save80?		top of the Save80 may be
		used. However, every
		stove comes with two pots
		which should be sufficient
		for most of the cooking
		needs.
Con charged on briggetter by	V	Driemattee was he was d
Can charcoal or briquettes be	Yes	Briquettes may be used,
used in the Save80?		although their use hasn't
		yet been tested properly
		charcoal can not be used.

Cameroon:

Stakeholder comment	Was comment taken into account (Yes/ No)?	Explanation (Why? How?)
Possibility to produce the stove locally.	Yes	Participants were especially worried about the fact that the stove is imported and asked for possibilities to produce the stove locally. At the moment it is not possible to produce such a stove of a comparable quality and price within the country. As soon as locally produced stoves improve at the level of quality and



		quantity those stoyes will be used as well by the large
		quantity, these stoves will be used as well. In the long run, it will be further investigated how the stove can also be produced locally in order to create more employment and to generate income in Cameroon. It should further be noted that other stoves such as the Save80 which may be introduced in the PoA already have a large value creation component in host country due to production (bending) and assembly is done locally.
The stove is not affordable for very poor people.	Yes	This comment is a very important one and needs to be thought of. However, the stove is already significantly subsidised and any further price reduction for the presented stove will be difficult to conduct at the moment. Also possibilities as paying in instalments are difficult as they bear a great risk for the local partner. Nonetheless, Pro Climate International and atmosfair will permanently assess all possibilities and opportunities to reduce the price of the stoves for endusers. This also includes the constant testing of more affordable stoves, which reach similar efficiency and life-time expectancy as the presented stove type.
Is the quality of the stove as good as the manufacturer promises?	Yes	The stoves were tested several times by Pro Climate and atmosfair and compared with other stoves. Water boiling tests and cooking tests for some common local dishes were organized. Within a very short period, many households in the South West regions bought and used the stove and the demand for the stove still exists. A first monitoring was successfully done. We can conclude that the performance of the stove is the reason of this success.
Extend the size of the stove, especially for ceremonies or possibility to purchase more than one stove per household.	No	The stove is not intended to serve at ceremonies or other bigger occasions. The target group for this stove are households with a daily use of the stove. If the households are larger than 8 people this household can purchase two stoves. Households with up to 10 persons can successfully use one stove only. Next to the Envirofit stove that is already successfully implemented in parts of Cameroon, there is the possibility to include other stoves, with different sizes, in the project.
Usage of improved cook	No	The project activity and the use of the efficient stoves



stoves also for heating		just focus on cooking purposes. Emission savings from
purpose		space heating cannot be considered under the project
		activity. However, the project participants know that
		people might use the efficient cook stoves also for
		space heating in certain areas, especially around
		Mount Cameroon.
Who are the beneficiaries	No	This project aims at combating climate change and
of this carbon project?		compensating emissions that were emitted
		somewhere else. At the same time the project benefits
		the people in Cameroon directly as it reduces smoke
		and hence health problems, saves money and reduces
		deforestation as less wood is needed for cooking.
Negative impact on wood	Yes	For the moment the project is not as big as it would
sellers due to a reduced		have an impact on wood sellers. Moreover, it is also
demand for fire wood		not assumed that the project will, cause severe
		impacts on the wood sellers. However, wood sellers
		might be involved in the marketing of cook stoves and
		can hence sell and distribute the stoves as well, which
		will diversify their source of income. Nonetheless,
		project proponents do not believe that the project will
		reach such a critical threshold that it will create severe
		negative impacts on wood sellers.
The stove is not available	Yes	The stakeholder consultation was organised in order to
in the whole country, hence		extend the project. The PoA is a nationwide PoA and it
it is quite difficult to		will be possible to sell more stoves on a nationwide
purchase one		level in Cameroon. This process needs some time, but
		in the near future it is planned to sell the stoves across
		Cameroon and then it should be easier for everyone in
		Cameroon to purchase a stove.

E.2. Stakeholder Feedback Round (in case LSC is done at PoA level)

Please describe report how the feedback round was organised, what the outcomes were and how you followed up on the feedback.



Stakeholder Feedback Round Rwanda:

The feedback round in Rwanda gave stakeholders the opportunity to comment during the process of validating the programme activity. The stakeholder feedback round was organized as follows:

The local stakeholder consultation (LSC) report, the GS Passport, the revised version of the non-technical summary and supporting documents related to the Do-No Harm assessment were made available to stakeholders. They were made publicly available on the Gold Standard website on 1 November 2011. A link for downloading the electronic version of the report was e-mailed to participants. In addition, the link to the programme page on the Gold Standard website was made available on the website, atmosfair gGmbH website⁵. Furthermore, hard copies were available at the office of ENEDOM, in Kigali; participants without e-mail were informed that the report was available at ENEDOM.

Stakeholders were emailed and, for those without email, verbally told that the documents were made available at the Enedom office. The Enedom office is very centrally located so it is easy for stakeholders to visit and receive the documents.

The stakeholder feedback round occurred for two months, from 1 November until 31 December 2011. No comments from stakeholders were received. It can therefore be concluded that stakeholders are satisfied with the programme design.

Stakeholder Feedback Round Cameroon:

The Stakeholder Feedback Round for activities in Cameroon is scheduled to take place from December 2014 till February 2015.

SECTION F. Outcome Sustainability Assessment⁶

F.1. 'Do no harm' Assessment

Rwanda

Safeguarding principles

Description of relevance to my programme
to my programme
risks
breaching it

Mitigation measure
of my
programme
risks
breaching it

⁵ https://www.atmosfair.de/index.php?id=563&L=3

⁶ In case, DNH/SD assessment is done at the Programme level, DNH/SD assessment per technology/practice included in the Programme shall be provided.



		(low, medium, high)	
1 – Human rights	Rwanda has ratified the Universal Declaration of Human Rights ⁷ and the African Charter on Humans and People's Rights ⁸ . The programme will protect human rights including freedoms and cultural property.	low	N/A
2 – Involuntary settlements	The programme will not cause any involuntary settlements. Rwanda has passed Law N° 18/2007 OF 19/04/2007 Relating to expropriation in the public interest ⁹ is strictly adhered to in Rwanda.	low	N/A
3 – Cultural heritage	Rwanda is an active member of the United Nations Educational, Scientific and Cultural Organisation (UNESCO) ¹⁰ . The programme does not involve and is not complicit in the alteration, damage or removal of any critical cultural heritage.	low	N/A
4 – Labor – collective bargaining and freedom of association	Rwanda has ratified both ILO convention 87 ¹¹ (freedom of association) and 98 ¹² (right to collective bargaining). Furthermore, Rwanda has passed Law N° 51/2001 OF 30/12/2001 Establishing the labor code	low	N/A

⁷ http://treaties.un.org/pages/ViewDetails.aspx?src=TREATY&mtdsg_no=IV-4&chapter=4&lang=en

⁸ http://www.achpr.org/english/ratifications/ratification_african%20charter.pdf

⁹ http://www.minela.gov.rw/IMG/pdf/LOI_D_EXPROPRIATION.pdf

¹⁰ www.unesco-rwanda.org

¹¹ http://www.ilo.org/ilolex/cgi-lex/ratifce.pl?C087

¹² http://www.ilo.org/ilolex/cgi-lex/ratifce.pl?C098



and Law N°13/2009 of	
27/05/2009 regulating	
labour in Rwanda ¹³ .	

 $^{^{13}\}underline{\text{http://amategeko.net/display_rubrique.php?ActDo=ShowArt\&Information_ID=2465\&Parent_ID=30701709\&type=public\&Lang}\\ \underline{\text{ue_ID=An\&rubID=30701797}}$



E E	December 19 CC 11 CC	1	NI/A
5 – Forced labor	Rwanda has ratified both	low	N/A
	ILO Convention 29 ¹⁴ and		
	105 ¹⁵ on elimination of		
	forced and compulsory		
	labour. Furthermore, local		
	legislation prohibits forced		
	labor. Rwanda has passed		
	Law N° 51/2001 OF		
	30/12/2001 Establishing		
	the labor code ¹⁶ and Law		
	N°13/2009 of 27/05/2009		
	regulating labour in		
	Rwanda13. The		
	programme does not		
	involve and is not complicit		
	in any form of forced or		
	compulsory labour. All		
	labor is voluntary. atmosfair		
	gGmbH does not engage in		
	any form of forced or		
	compulsory labour. Where		
	appropriate, contracts will		
	be issued to employees.		
6 - Child labor	Rwanda has ratified both	Low	N/A
	ILO convention 138 ¹⁷		
	(minimum age) and 182 ¹⁸		
	(worst form of child labor).		
	Furthermore, Law N°		
	51/2001 OF 30/12/2001		
	Establishing the labor		
	code ¹⁶ ; Law N°13/2009 of		
	27/05/2009 regulating		
	labour in Rwanda prohibit		
	child labor ¹⁹ . Child labor		
	will not be employed.		
	atmosfair gGmbH does not		
			<u> </u>

¹⁴ http://www.ilo.org/ilolex/cgi-lex/ratifce.pl?C029

¹⁵ http://www.ilo.org/ilolex/cgi-lex/ratifce.pl?C105

¹⁶ http://www.amategeko.net/display_rubrique.php?Information_ID=1217&Parent_ID=30692620&type=public&Langue_ID=An_

¹⁷ http://www.ilo.org/ilolex/cgi-lex/ratifce.pl?C138

¹⁸ http://www.ilo.org/ilolex/cgi-lex/ratifce.pl?C182

¹⁹ http://www.mifotra.gov.rw/documents/Laws/NEW%20LABOUR%20LAW%20N13.2009%20OF%2027.5.2009.pdf



	Landard and analysis	1	-
	and will not employ anyone		
	under the legal working		
	age.	-	
7 – Labor	Rwanda has ratified	low	N/A
discrimination	convention 100 ²⁰ (equal		
	remuneration) and		
	convention 111 ²¹		
	(Discrimination in		
	employment/ occupation)		
	under the ILO Declaration		
	on Fundamental Principles		
	and Rights at Work. The		
	Law N° 51/2001 OF		
	30/12/2001 Establishing		
	the labor code ¹⁶ also		
	prohibits discrimination.		
	Labor discrimination will		
	not occur.		
8 – Labor safety	The Law N° 51/2001 OF	low	N/A
	30/12/2001 Establishing		
	the labor code ¹⁶ and the		
	Rwanda National		
	Construction Industry		
	Policy ²² legislate and guide		
	on health and safety		
	practices in the work place.		
	Labor conditions in this		
	programme are safe.		
9- Environmental	Rwanda ratified the Rio	low	N/A
harm	Declaration on		
	Environment and		
	Development ²³ . In addition,		
	Rwanda has passed a		
	number of other relevant		
	laws including: N° 04/2005		
	of 08/04/2005 Organic Law		
	determining the modalities		
	of protection, conservation		
	or protection, conservation		

²⁰ http://www.ilo.org/ilolex/cgi-lex/ratifce.pl?C100

²¹ http://www.ilo.org/ilolex/cgi-lex/ratifce.pl?C111

²² http://mininfra.gov.rw/index2.php?option=com_docman&task=doc_view&gid=113&Itemid=263

²³ http://www.un.org/esa/documents/ecosoc/cn17/1997/ecn171997-8.htm



			1
	and promotion of		
	environment in Rwanda ²⁴ ;		
	Ministerial Order N°		
	004/2008 on Establishing		
	the list of works, activities		
	and projects that have to		
	undertake an		
	environmental impact		
	assessment ²⁵ ; 1988		
	Forestry Law.		
	The programme		
	is positive for the		
	environment, since it		
	decreases unsustainable		
	harvesting of wood from		
	forests. In addition, the		
	stainless steel from the		
	stoves at the end of their		
	lifetime will be highly		
	valued due to the high		
	price of metal in Rwanda.		
10 – Degradation of	Rwanda ratified the Rio	low	N/A
habitats	Declaration on	1011	14/74
Habitato	Environment and		
	Development. In addition,		
	Rwanda has passed a		
	number of other relevant		
	laws including: N° 04/2005		
	of 08/04/2005 Organic Law		
	determining the modalities		
	of protection, conservation		
	and promotion of		
	environment in Rwanda ²⁴ ;		
	Ministerial Order N°		
	004/2008 on Establishing		
	the list of works, activities		
	and projects that have to		
	undertake an		
	environmental impact		
	assessment ²⁵ ; 1988		

 $^{{\}color{red}^{24}} \ {\color{red}^{http://www.amategeko.net/display \ rubrique.php?Information \ ID=665\&Parent \ ID=3068016\&type=public\&Langue \ ID=Ander {\color{red}^{24}} \ {\color{red}^{24}$

²⁵ http://www.primature.gov.rw/index2.php?option=com_docman&task=doc_view&gid=779&Itemid=95



	Γ	T	,
	Forestry Law.		
	The programme is positive		
	for the environment, since		
	it decreases unsustainable		
	harvesting of wood from		
	forests. In addition, the		
	stainless steel from the		
	stoves at the end of their		
	lifetime will be highly		
	valued due to the high		
	price of metal in Rwanda.		
	The programme will		
	prevent the degradation of		
	habitats due to decreased		
	deforestation.		
11- Corruption	Rwanda ratified the United	low	N/A
	Nations Convention		
	Against Corruption ²⁶ .		
	Furthermore, Rwanda		
	passed the Law N°		
	23/2003 of 07/08/2003		
	Related to punishment of		
	corruption and related		
	offences ²⁷ and this law is		
	strictly enforced.		
	Rwanda has a very high		
	level of enforcement of		
	laws. As can be seen in the		
	2011 Rwanda Country		
	Profile, Enterprise Surveys,		
	it can be seen that Rwanda		
	has a very low level of		
	corruption. The atmosfair		
	Project implementation and		
	controller will also assess		
	these points during visits.		
	atmosfair gGmbH does not		
	engage in any type of		
	corruption or activities that		
	are anything but legal and		

²⁶ http://www.unodc.org/unodc/en/treaties/CAC/signatories.html

²⁷ http://www.amategeko.net/display_rubrique.php?Information_ID=1170&Parent_ID=30692132&type=public&Langue_ID=An



just.	

Cameroon

Safeguarding principles	Description of relevance to my project	Assessment of my project risks breaching it (low, medium, high)	Mitigation measure
1 Human	Cameroon has ratified the Universal	Low	N/A
Rights	Declaration of Human Rights ²⁸ and the African		
	Charter on Humans and People's Rights ²⁹ The		
	project will protect human rights including		
	freedoms and cultural property.		
2 Involuntary	The project will not cause any involuntary	Low	N/A
settlements	settlement. Cameroon has passed Law No 80-		
	21 of 14/07/1980 that amended certain		
	provisions of ordinance No 74-1 of July 1974		
	to establish rules governing land tenure ³⁰ .		
3 – Cultural	Cameroon is an active member of the United	Low	N/A
heritage	Nations Educational, Scientific and Cultural		
	Organisation (UNESCO) ³¹ . The programme		
	does not involve and is not complicit in the		
	alteration, damage or removal of any critical		
	cultural heritage.		
4 – Labor-	Cameroon is member of the International	Low	N/A
collective	Labour Organization ³² . Cameroon has ratified		
bargaining and	both ILO convention 87 ³³ (freedom of		
freedom of	association) and ILO convention 98 ³⁴ (right to		
association	collective bargaining).		
5 – Forced	Cameroon has ratified both Convention 2935	Low	N/A
labor	and 105 ³⁶ on elimination of forced and		
	compulsory labour. Furthermore, local		

 $^{^{28}\} http://treaties.un.org/pages/ViewDetails.aspx?src=TREATY\&mtdsg_no=IV-4\&chapter=4\&lang=en$

²⁹ http://www.achpr.org/instruments/achpr/

³⁰ http://www.atangana-eteme-emeran.com/spip.php?article22270

³¹ http://www.unesco.org/new/en/unesco/worldwide/africa/cameroon/

³² http://www.ilo.org/public/english/standards/relm/country.htm

³³ https://www.ilo.org/dyn/normlex/en/f?p=NORMLEXPUB:12100:0::NO:12100:P12100_INSTRUMENT_ID:312232:NO

https://www.ilo.org/dyn/normlex/en/f?p=NORMLEXPUB:12100:0::NO:12100:P12100_INSTRUMENT_ID:312243:NO

³⁵ https://www.ilo.org/dyn/normlex/en/f?p=NORMLEXPUB:12100:0::NO:12100:P12100_INSTRUMENT_ID:312174:NO

³⁶ https://www.ilo.org/dyn/normlex/en/f?p=NORMLEXPUB:12100:0::NO:12100:P12100_INSTRUMENT_ID:312250:NO



	Logislation prohibite forced labour		
	legislation prohibits forced labour.		
	The programme does not involve and is not		
	complicit in any form of forced or compulsory		
	labour.		
	All labour is voluntary. Neither atmosfair		
	gGmbh nor Pro Climate International or any		
	other partners engages in any form of forced		
	or compulsory labour. Where appropriate,		
	contracts will be issued to employees.		
6 – Child	Cameroon has ratified both ILO convention	Low	N/A
labour	138 ³⁷ (minimum age) and 182 ³⁸ (worst form of		
	child labor) as well as it has ratified the UN		
	Convention on the Rights of Children ³⁹ .		
	atmosfair gGmbH and its partners do not and		
	will not employ anyone under the legal working		
	age.		
7 – Labor	Cameroon has ratified convention 10040 (equal	Low	N/A
discrimination	remuneration) and convention 11141		
	(Discrimination in employment/occupation)		
	under the ILO Declaration on Fundamental		
	Principles and Rights at Work. The Law No.		
	92/007 of 14/08/1992 ⁴² establishing the labour		
	code. Labour conditions in this programme are		
	safe.		
8 – Labor	The Law No. 82/007 of 14/08/1992	Low	N/A
safety	establishing the labour code. Labour		
	conditions in this project are safe.		
9 –	Cameroon ratified the Rio Declaration on	Low	N/A
Environmental	Environment and Development ⁴³ , the UN		
harm	Kyoto Protocol to the United Nations		
	Framework Convention on Climate Change ⁴⁴		
	and the UN United Nations Framework		
	Convention on Climate Change ⁴⁵ . In addition,		
	Cameroon has a comprehensive		
<u> </u>	<u>'</u>	<u> </u>	

³⁷ https://www.ilo.org/dyn/normlex/en/f?p=NORMLEXPUB:12100:0::NO:12100:P12100_INSTRUMENT_ID:312283:NO

https://www.ilo.org/dyn/normlex/en/f?p=NORMLEXPUB:12100:0::NO:12100:P12100_INSTRUMENT_ID:312327:NO

http://treaties.un.org/Pages/ViewDetails.aspx?src=TREATY&mtdsg_no=IV-11&chapter=4&lang=en

https://www.ilo.org/dyn/normlex/en/f?p=NORMLEXPUB:12100:0::NO:12100:P12100_INSTRUMENT_ID:312245:NO

⁴¹ https://www.ilo.org/dyn/normlex/en/f?p=NORMLEXPUB:12100:0::NO:12100:P12100_INSTRUMENT_ID:312256:NO

http://www.digitcamlaws.com/Cameroon_Labor_Code.htm

http://www.un.org/esa/documents/ecosoc/cn17/1997/ecn171997-8.htm

⁴⁴ http://treaties.un.org/Pages/ViewDetails.aspx?src=TREATY&mtdsg_no=XXVII-7-a&chapter=27&lang=en

http://treaties.un.org/Pages/ViewDetailsIII.aspx?&src=TREATY&mtdsg_no=XXVII~7&chapter=27&Temp=mtdsg3&lang=en



10 –	environmental legislation. The legislation provides for the establishment of the National Environmental Management Plan which is specified in Law No. 96/12 of 5/08/1996 ⁴⁶ which also defines the project types that require an Environmental Impact Assessment. The programme is positive for the environment, since it decreases unsustainable harvesting of wood from forests. Cameroon has ratified the UN Convention on	Low	N/A
Degradation of habitats	Biological Diversity ⁴⁷ and the UN Convention to combat Desertification ⁴⁸ . The project is positive for the environment as it reduces the need for fire wood and hence illegal and unsustainable harvesting of wood. Furthermore, small sticks of wood – preferably dead wood – can now be used for energy purposes.		
11 – Corruption	Cameroon ratified the United Nations Convention Against Corruption ⁴⁹ . The Cameroonian government has created the National Anti-Corruption Commission which aims to eliminate corruption by 2015 through targeted reforms in the public sector. The atmosfair project implementation and controller will also assess these points during visits. Both atmosfair gGmbh and its partners do not engage in any type of corruption or activities that are anything but legal and just.	Low	N/A
Additional relevant critical issues for my project	Description of relevance to my project	Assessment of relevance to my project (low, medium, high)	Mitigation measure
type N/A	N/A	N/A	N/A
		. ", .	,, .

 ⁴⁶www.wipo.int/wipolex/en/details.jsp?id=5800
 47 http://treaties.un.org/Pages/ViewDetails.aspx?src=TREATY&mtdsg_no=XXVII-8&chapter=27&lang=en
 48 http://treaties.un.org/Pages/ViewDetails.aspx?src=TREATY&mtdsg_no=XXVII-10&chapter=27&lang=en
 49 http://www.unodc.org/unodc/en/treaties/CAC/signatories.html



F.2. Sustainable Development matrix

Note. The SD matrix is frozen at PoA level as per GS request. For SD inclusion criteria please refer to Section H.3. below.

Rwanda

	Mitigation	Relevance to		Preliminary
Indicator	measure	achieving MDG	Chosen parameter and explanation	score
			Parameter: Emissions from fuel	
			consumption. Air quality will be	
			improved by the reduction of fuel	
			burned. Indoor Air Pollution will be	
			reduced from the improved	
			cookstoves. For example, the SAVE80	
			is almost smokeless carbon monoxide	
			(CO) emissions are low. CO emissions	
			have been tested and the emission	
			rate from the Save80 is lower than	
			from other wood stoves. Other	
			harmful substances like PICs (Products	
			of Incomplete Combustion) are low as	
			the combustion is nearly complete and	
			only small quantities of ash need to be	
			removed. However, it is difficult to	
			compare the emissions from an	
			efficient wood burning stove with that	
		MDG 7: Ensure	of a charcoal stove. Impacts are not	
		environmental	seen as being significant enough to	
Air quality	N/A	sustainability	monitor.	0
			Parameter: Sedimentation of lakes	
			and rivers. Reduced deforestation will	
			lead to decrease soil erosion and	
			decreased sedimentation of lakes and	
			rivers. However, deforestation for fuel	
			wood will still occur so the impact will	
		MDG 7: Ensure	be neutral and monitoring of this	
Water quality		environmental	parameter is not seen as being	
and quantity	N/A	sustainability	necessary.	0



N/A	MDG 7: Ensure environmental sustainability	Parameter: Decreased fuel wood as a proxy for decrease amount of soil erosion from deforestation. Reduced deforestation will lead to decrease soil erosion. However, deforestation for fuel will still occur so soil condition will not be drastically altered and monitoring is not necessary. Other pollutants such as noise will not be impacted. At the end of the stove's lifetime, the metal may be considered waste. However, it is expected that, due to the stove being made from a high quality metal, the stove will be recycled and monitoring is not necessary.	0
N/A	MDG 7: Ensure environmental sustainability	As can be seen in the 2011 CIA World Factbook about Rwanda , no steel is produced in Rwanda while steel is imported. This makes steel a valuable commodity with a high demand. It will therefore be re-used.	0
N/A	MDG 7: Ensure environmental sustainability	Parameter: Decreased fuel wood as a proxy for decreased biodiversity from deforestation. Reduced deforestation will lead to decreased habitat destruction. However, deforestation for fuel wood use will still occur so biodiversity will not be drastically altered and monitoring is not necessary.	0
	extreme poverty	employment. Assembly and sale will provide high quality employment; Rwandans will be trained in order to assemble the stoves and to work on the sales activities. However, as the number of people working in the charcoal value chain may decrease,	
		environmental sustainability MDG 7: Ensure environmental sustainability MDG 7: Ensure environmental sustainability MDG 1: Eradicate extreme poverty	proxy for decrease amount of soil erosion from deforestation. Reduced deforestation will lead to decrease soil erosion. However, deforestation for fuel will still occur so soil condition will not be drastically altered and monitoring is not necessary. Other pollutants such as noise will not be impacted. At the end of the stove's lifetime, the metal may be considered waste. However, it is expected that, due to the stove being made from a high quality metal, the stove will be recycled and monitoring is not necessary. As can be seen in the 2011 CIA World Factbook about Rwanda , no steel is produced in Rwanda while steel is imported. This makes steel a valuable commodity with a high demand. It will therefore be re-used. Parameter: Decreased fuel wood as a proxy for decreased habitat destruction. However, deforestation will lead to decreased habitat destruction. However, deforestation for fuel wood use will still occur so biodiversity will not be drastically altered and monitoring is not necessary. Parameter: technical level of employment. Assembly and sale will provide high quality employment; Rwandans will be trained in order to assemble the stoves and to work on the sales activities. However, as the number of people working in the charcoal value chain may decrease,



			is not necessary.	
			Parameter: Money saved from	
			reduced consumption of fuel.	
			Improved cookstove use will reduce	
			money spent on charcoal. Whether or	
			not money spent on fuel for cooking is	
			saved by users will be monitored. This	
			is relates directly to the following	
			change referred to in GS Annex I:	
			Poverty alleviation, e.g. changes in	
			living standards, number of people	
			living under the poverty line.	
			Parameter: Amount of time spent in	
			acquiring fuel and cooking on	
			improved cookstove. Improved	
			cookstove and heat retention device	
			use will promote gender equality as	
			less time will be spent in acquiring fuel	
		MDG 1: Eradicate	and in cooking. The amount of time	
Livelihood of		extreme poverty	spent cooking and collecting fuel will	
poor	N/A	and hunger	be monitored.	+
			Parameter: Number of households	
			with improved cookstoves. Improved	
			cookstoves will provide cleaner energy	
Access to			to households. However, the number	
affordable and		MDG 1: Eradicate	of households with cookstove access	
clean energy		extreme poverty	will not increase.	
services	N/A	and hunger		0



		[
			.Even so the project is likely to have	
			positive impacts in regard to human	
			and institutional capacity due to the	
Human and		MDG 1: Eradicate	empowerment of women who are the	
institutional			main users of the ICS no direct impact	
capacity	N/A	and hunger	can be associated to using the ICS.	0
			Parameter: Number of jobs created	
			and income generated. Stove	
			construction and sale/distribution	
			activities will provide employment.	
			One may argue that jobs may be lost	
			from charcoal production, however it	
			is anticipated that as the demand for	
			firewood replaces that of charcoal due	
			to increased use of Save80 stoves,	
			charcoal producers will easily resort to	
			supplying firewood hence no loss of	
			jobs will be experienced. The number	
			of jobs created will be monitored.	
			The people employed in the project	
Quantitative			will earn wages at par or better than	
employment		MDG 1: Eradicate	the average local/sectoral wage level.	
and income		extreme poverty	The income generated by the project	
generation	N/A	and hunger	employees will be monitored.	+
Balance of		MDG 1: Eradicate		
payments and		extreme poverty		
investment	N/A	and hunger	N/A	0
	.,,,	arra rranger		
			Parameter: Number of new improved	
			cookstove types introduced to	
			Rwanda. The number of new	
			cookstove types introduced to	
Technology		MDG 8: Develop	Rwanda and number of improved	
transfer and		a Global	cookstoves sold as part of the	
technological		Partnership for	programme activity will be	
self - reliance	N/A	Development	monitored.	0

Cameroon



Indicator	Mitigation	Relevance to	Chosen parameter and	Preliminary
indicator	measure	achieving MDG	explanation	score
Air quality	N/A	MDG 7: Ensure environmental sustainability	Parameter: Level of NOx, CO and SO ₂ emissions. Air quality will be improved by the reduction of fuel burned; however, it is difficult to quantitatively compare the emissions from an efficient wood burning stove with that of an ICS given the local monitoring conditions.	0
Water quality and quantity	N/A	MDG 7: Ensure environmental sustainability	Parameter: Changes in water balance/availability in ground and surface water and level of pollutants in lakes and rivers Reduced deforestation will lead to decrease soil erosion and a decrease in sedimentation processes of lakes and rivers. Consequently, this might enhance the groundwater and surface water level and a reduction of pollutants inflow into the respective streams, However, deforestation for fuel wood will still occur. Moreover, it will be difficult to analyse the direct relation and impact between reduced deforestation and a reduced pollution/enhanced water balance. Therefore, the indicator is scored neutral.	0
Soil condition	N/A	MDG 7: Ensure environmental sustainability	Parameter: Decreased fuel wood as a proxy for decrease amount of soil erosion from deforestation. Reduced deforestation will lead to decrease soil erosion. However, deforestation for fuel	0



Other pollutants	N/A	MDG 7: Ensure environmental sustainability	will still occur so soil condition will not be drastically altered and monitoring is not necessary. No other pollutants are emitted and the project has no significant impact on the level of noise and/or light	0
Biodiversity	N/A	MDG 7: Ensure environmental sustainability	Parameter: Decreased fuel wood as a proxy for decreased biodiversity from deforestation. Reduced deforestation will lead to decreased habitat destruction. However, deforestation for fuel wood use will still occur since not all households will use an efficient cook stove. So the effect on the. directly connected to the project activity is difficult to justify and thus monitoring is not possible.	0
Quality of employment	N/A	MDG 1: Eradicate extreme poverty and hunger	Parameter: Certificates for all trainings given to increase the technical level of employees. Assembly and sale will provide high quality employment. However, an ICS project is limited in the possibility of capacity building measures and thus trainings are mostly focussed on the sales of the stoves, database management and conducting monitoring activities. Moreover, as the number of people working in the fuelwood and charcoal value chain may decrease, effects are neutralized. Consequently, in	0



			order to be conservative, the	
			indicator is scored neutral.	
			Parameter: Money saved	
			from reduced consumption	
			of fuel. Improved cookstove	
			use will reduce money spent on	
			wood or charcoal. Whether or	
			not money is saved by users	
			will be monitored. This relates	
			directly to the following change	
			referred to in GS Annex I:	
			Poverty alleviation, e.g.	
		MDG1:	changes in living standards,	
Livelihood of	N/A	Eradicate	number of people living under	+
the poor	14/7	extreme poverty	the poverty line.	·
		and hunger	Parameter: Amount of time	
			spent in acquiring fuel and	
			cooking on improved	
			cookstove. Improved	
			cookstove and heat retention	
			device use will promote gender	
			equality as less time will be	
			spent in acquiring fuel and in	
			cooking. The amount of time	
			spent cooking and collecting	
			fuel will be monitored.	
			Parameter: Number of	
Access to			households with cookstoves.	
affordable		MDG 1:	Improved cookstoves will	
and clean	N/A	Eradicate	provide cleaner energy to	0
energy	14// (extreme poverty	households. However, the	O
services		and hunger	number of households with	
SCIVICCS			cookstove acces will not	
			increase.	
			Even so the project is likely to	
		MDG 1:	have positive impacts in regard	
Human and		Eradicate	to human and institutional	
institutional	N/A	extreme poverty	capacity due to the	0
capacity		and hunger	empowerment of women who	
		and nunger	are the main users of the ICS	
			no direct impact can be	



			associated to using the ICS.	
			Parameter: Number of jobs	
			created and income	
			generated through the	
			project. Assembly and sale will	
			provide employment. Even	
			though , jobs may be lost from	
			wood value chain and charcoal	
			production, theywill most likely	
			be replaced by jobs processing	
Quantitative		MDG 1:	and distributing the stove. Moreover, the project will	
employment		Eradicate	generate jobs within the	
and income	N/A	extreme poverty	implementing organisation	+
generation		and hunger	regarding the sale of the	
generation			stoves, database management	
			and monitoring activities (Water	
			Boiling Tests, Interviews).	
			Therefore, the scoring of the	
			indicator is positive. The	
			Monitoring of the indicator shall	
			include the number of jobs	
			created as well as the	
			employee's income received	
		MDG 1:	through the project.	
Balance of		Eradicate		
payments and	N/A	extreme poverty	N/A	0
investment		and hunger		
Tachasis		-	New technology introduced to	
Technology transfer and		MDG 8: Develop	Cameroon and Cameroonians	
technological	N/A	a global partnership for	will be trained to assembly and	0
self-reliance		development	to use the stoves. However	
Jon Tonarioo		23.0.00	effect will not be significant.	

SECTION G. Sustainability Monitoring Plan⁵⁰

Note: Chosen parameters apply for all CPAs implemented under the PoA

⁵⁰ In case, DNH/SD assessment is done at the Programme level, SD monitoring parameters pertaining to SD aspects, safeguarding principles per technology/practice shall be provided.



Indicator Mitigation measure NA	No		1.1
Chosen parameter 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 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 (wood or charcoal). The sample size for this monitoring parameter will be the same as for CDM monitoring parameter Doy (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 continuously maintained until the end of the crediting period. By who Project proponent No 1.2 Indicator Livelihood of the Poor Mitigation measure Chosen parameter Whether less time is spent in acquiring fuel and cooking on improved cookstove In particular women and children, currently spend a significant portion of their time acquiring fuel for cooking. See above	Indicator		Livelihood of the Poor
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 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 will be the same as for CDM monitoring parameter DO, (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 continuously maintained until the end of the crediting period. By who Project proponent No 1.2 Indicator Mitigation measure NA Chosen parameter Vhether less time is spent in acquiring fuel and cooking on improved cookstove Current situation of parameter In particular women and children, currently spend a significant portion of their time acquiring fuel for cooking. See above Future target for parameter Decreased amount of time spent acquiring fuel	Mitigation measure		NA
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 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 will be the same as for CDM monitoring parameter DO, (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 continuously maintained until the end of the crediting period. By who Project proponent No 1.2 Indicator Mitigation measure NA Chosen parameter Vhether less time is spent in acquiring fuel and cooking on improved cookstove Current situation of parameter In particular women and children, currently spend a significant portion of their time acquiring fuel for cooking. See above Future target for parameter Decreased amount of time spent acquiring fuel			
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. 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, (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 continuously maintained until the end of the crediting period. By who Project proponent 1.2 Indicator Livelihood of the Poor Mitigation measure NA Chosen parameter Whether less time is spent in acquiring fuel and cooking on improved cookstove Current situation of parameter In particular women and children, currently spend a significant portion of their time acquiring fuel for cooking. See above Future target for parameter Decreased amount of time spent acquiring fuel	Chosen parameter		Money saved from reduced consumption of fuel
Savings from purchasing less cooking fuel will increase the amount of disposable income available. See above of parameter 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	Current situation of pa	rameter	Users of traditional fireplaces such as the three-stone-fire
Estimation of baseline situation of parameter Future target for parameter 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 continuously maintained until the end of the crediting period. By who Project proponent No 1.2 Indicator Livelihood of the Poor Mitigation measure NA Chosen parameter Whether less time is spent in acquiring fuel and cooking on improved cookstove Current situation of parameter Future target for parameter Decreased amount of time spent acquiring fuel for cooking.			spent a high share of their available income on fuel wood.
Estimation of baseline situation of parameter 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 continuously maintained until the end of the crediting period. By who Project proponent No 1.2 Indicator Livelihood of the Poor Mitigation measure NA Chosen parameter Whether less time is spent in acquiring fuel and cooking on improved cookstove 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 Future target for parameter Decreased amount of time spent acquiring fuel			Savings from purchasing less cooking fuel will increase
Future target for parameter 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 continuously maintained until the end of the crediting period. By who Project proponent 1.2 Indicator Mitigation measure Livelihood of the Poor Mitigation measure NA Chosen parameter Whether less time is spent in acquiring fuel and cooking on improved cookstove 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 Future target for parameter Decreased amount of time spent acquiring fuel			the amount of disposable income available.
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 continuously maintained until the end of the crediting period. By who Project proponent No 1.2 Indicator Livelihood of the Poor Mitigation measure Na Chosen parameter Vhether less time is spent in acquiring fuel and cooking on improved cookstove 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 Future target for parameter Decreased amount of time spent acquiring fuel	Estimation of baseline	situation	See above
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 ₂ (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 continuously maintained until the end of the crediting period. By who Project proponent No 1.2 Indicator Livelihood of the Poor Mitigation measure NA Chosen parameter Un particular women and children, currently spend a significant portion of their time acquiring fuel for cooking. Estimation of baseline situation of parameter Future target for parameter Decreased amount of time spent acquiring fuel	of parameter		
Standard Fuel.	Future target for parar	neter	Decreased firewood and charcoal consumption for
How			cooking (or boiling water) will reduce money spent on
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 continuously maintained until the end of the crediting period. By who Project proponent No 1.2 Indicator Livelihood of the Poor Mitigation measure NA Chosen parameter Whether less time is spent in acquiring fuel and cooking on improved cookstove 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 Decreased amount of time spent acquiring fuel			fuel.
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 continuously maintained until the end of the crediting period. By who Project proponent No 1.2 Indicator Livelihood of the Poor Mitigation measure NA Chosen parameter Whether less time is spent in acquiring fuel and cooking on improved cookstove 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 Decreased amount of time spent acquiring fuel	Way of monitoring	How	In the household survey, households which are part of 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 continuously maintained until the end of the crediting period. By who Project proponent No 1.2 Indicator Livelihood of the Poor Mitigation measure NA Chosen parameter Whether less time is spent in acquiring fuel and cooking on improved cookstove 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 Decreased amount of time spent acquiring fuel			CDM monitoring sample group will be asked whether they
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 continuously maintained until the end of the crediting period. By who Project proponent No 1.2 Indicator Livelihood of the Poor Mitigation measure NA Chosen parameter Whether less time is spent in acquiring fuel and cooking on improved cookstove 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 Decreased amount of time spent acquiring fuel			think less money is spent on fuel for cooking on the
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 continuously maintained until the end of the crediting period. By who Project proponent No 1.2 Indicator Livelihood of the Poor Mitigation measure NA Chosen parameter Whether less time is spent in acquiring fuel and cooking on improved cookstove 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			improved cook stove, in comparison to using a standard
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 continuously maintained until the end of the crediting period. By who Project proponent No 1.2 Indicator Livelihood of the Poor Mitigation measure NA Chosen parameter Whether less time is spent in acquiring fuel and cooking on improved cookstove 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 Future target for parameter Decreased amount of time spent acquiring fuel			inefficient cook stove (wood or charcoal).
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 continuously maintained until the end of the crediting period. By who Project proponent 1.2 Indicator Livelihood of the Poor Mitigation measure NA Chosen parameter Whether less time is spent in acquiring fuel and cooking on improved cookstove 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 Future target for parameter Decreased amount of time spent acquiring fuel			The sample size for this monitoring parameter will be the
order to be conservative a minimum size applies: Minimum sample size: 30. When Annual or biennial but records continuously maintained until the end of the crediting period. By who Project proponent No 1.2 Indicator Livelihood of the Poor Mitigation measure NA Chosen parameter Whether less time is spent in acquiring fuel and cooking on improved cookstove 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 Future target for parameter Decreased amount of time spent acquiring fuel			same as for CDM monitoring parameter DO _y (drop outs)
Minimum sample size: 30. When Annual or biennial but records continuously maintained until the end of the crediting period. By who Project proponent 1.2 Indicator Livelihood of the Poor Mitigation measure NA Chosen parameter Whether less time is spent in acquiring fuel and cooking on improved cookstove 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 Future target for parameter Decreased amount of time spent acquiring fuel			and is established at time of doing the survey. However in
When Annual or biennial but records continuously maintained until the end of the crediting period. By who Project proponent No 1.2 Indicator Livelihood of the Poor Mitigation measure NA Chosen parameter Whether less time is spent in acquiring fuel and cooking on improved cookstove 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			order to be conservative a minimum size applies:
until the end of the crediting period. By who Project proponent 1.2 Indicator Livelihood of the Poor Mitigation measure NA Chosen parameter Whether less time is spent in acquiring fuel and cooking on improved cookstove 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			Minimum sample size: 30.
until the end of the crediting period. By who Project proponent 1.2 Indicator Livelihood of the Poor Mitigation measure NA Chosen parameter Whether less time is spent in acquiring fuel and cooking on improved cookstove 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		When	Appual or bioppial but records continuously maintained
By who Project proponent No 1.2 Indicator Livelihood of the Poor Mitigation measure NA Chosen parameter Whether less time is spent in acquiring fuel and cooking on improved cookstove 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		vvnen	•
Indicator Mitigation measure Chosen parameter Current situation of parameter Estimation of baseline situation of parameter Future target for parameter Livelihood of the Poor NA Whether less time is spent in acquiring fuel and cooking on improved cookstove In particular women and children, currently spend a significant portion of their time acquiring fuel for cooking. See above Decreased amount of time spent acquiring fuel		Decodes	
Indicator Mitigation measure NA Chosen parameter Whether less time is spent in acquiring fuel and cooking on improved cookstove 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 Future target for parameter Decreased amount of time spent acquiring fuel	No	By wno	1 1
Mitigation measure Chosen parameter Whether less time is spent in acquiring fuel and cooking on improved cookstove 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 Future target for parameter Decreased amount of time spent acquiring fuel	INO		1.2
Chosen parameter Whether less time is spent in acquiring fuel and cooking on improved cookstove 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 Future target for parameter Decreased amount of time spent acquiring fuel	Indicator		Livelihood of the Poor
On improved cookstove 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	Mitigation measure		NA
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	Chosen parameter		Whether less time is spent in acquiring fuel and cooking
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			on improved cookstove
Estimation of baseline situation of parameter See above of parameter Decreased amount of time spent acquiring fuel	Current situation of pa	rameter	In particular women and children, currently spend a
of parameter Future target for parameter Decreased amount of time spent acquiring fuel			significant portion of their time acquiring fuel for cooking.
Future target for parameter Decreased amount of time spent acquiring fuel	Estimation of baseline situation		See above
	of parameter		
Way of monitoring How In the household survey, users will be asked whether they	Future target for parameter		Decreased amount of time spent acquiring fuel
- · · · · · · · · · · · · · · · · · · ·	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			think less time is spent acquiring fuel and cooking on the
improved cookstove, in comparison to acquiring fuel and			improved cookstove, in comparison to acquiring fuel and
cooking when using a standard inefficient cookstove.			cooking when using a standard inefficient cookstove.



	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 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.
Current situation of parameter	Rwanda: Work in Rwanda is highly seasonal, and this is
	particularly the case for farming. The vast majority of
	economically active adults in Rwanda are subsistence
	farmers either working as independent farm workers, paid
	or unpaid family farm workers. Employment rates are
	generally lower in urban areas, and are lowest of all in
	Kigali City. ⁵¹ Majority working population in Rwanda are
	subsistence farmers either working as paid or unpaid
	family farm workers with limited income generation. Paid
	farm workers are still found in the poorest income
	quintile. ⁵²
	Cameroon: More than 40 % of Cameroons population live
	below the poverty line and 70% of the population is
	depending on agro-pastoral activities. ⁵³ Currently, there is
	no ICS project registered under the CDM. Thus, it is
	expected that ICS project management related jobs are
	scarce in Cameroon. The project will consequently
	generate employment and income generation for local
	people regarding stove assembly, distribution and
	monitoring.
Estimation of baseline situation	See above
of parameter	
Future target for parameter	Rwanda: Rwandans will be employed in permanent, part
	time, freelance, piece rate basis capacities in the project.

⁵¹ National Institute of Statistics of Rwanda - The 2010/11 Integrated Household Living Conditions Survey .

⁵² National Institute of Statistics of Rwanda - Labour market and economic activity trends in Rwanda; Analysis of the EICV2 Survey.

⁵³ http://www.wfp.org/countries/cameroon



		Jobs will include for project management, stove construction, maintenance, user training and stove sales/distribution. Salaries and wages for the jobs done which will be at par or better than the average local/sectoral wage level.
		Cameroon: Jobs will be created and maintained through the assembly and 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

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 $N_{\it eaters_project}$ (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 ($^{N_{\it eaters_project}}$) 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, conservativeness, inclusion criteria and other deviations⁵⁴



This section is only applicable if the section on additionality and/or your choice of baseline does not follow Gold Standard guidance

H.1. Additionality

Not applicable. The project proponent followed Gold Standard guidance for additionality.

H.2. Conservativeness

Not applicable. The project proponent followed Gold Standard guidance for additionality.

H.3 Inclusion criteria

Local Stakeholder Consultations will be conducted for a group of 5 CPAs, 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	CPA-DD
	improved cookstoves (ICS)	
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 recognised by it
3	The ICS type is similar i.e. it domestic ICS burning firewood	Product data sheets or

⁵⁴ Only for CDM PoAs



		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	Written declaration by
	as determined in the PoA Passport and does not compromise	implementing agency/ PP
	any of the safeguarding principles.	
6	Documented cooking demonstrations are carried out in the	Documentation and picture of
	core regions where ICS dissemination will mainly take place	cooking demonstrations carried out

LSC for the first 5 CPAs in Rwanda and Cameroon already took place at the LSC meeting in Kigali 18 February 2011 and in Yaoundé 7 November 2013. Thiese stakeholder meetings also served as the PoA stakeholder meeting.

Other:

SD indicator scored	Inclusion criteria to check compliance of CPA with SD indicator at time
positive at freezed	of inclusion
PoA SD matrix	
Livelihood of poor	The technology of the CPA is an improved cookstove. 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. Hence, inclusion criteria to be checked at time of inclusion: 1. Whether the technology of the CPA is an improved cookstove 2. Whether the monitoring plan of the CPA PP includes parameter money savings to be determined via household survey
Livelihood of poor	The technology of the CPA is an improved cookstove. The relevant parameter is the time spent in acquiring fuel and cooking on improved stove. Time budgets will be determined in the household survey expost and are part of the monitoring and as such included in the monitoring plan. Hence, inclusion criteria to check at time of inclusion: 1. Whether the technology of the CPA is an improved cookstove 2. Whether the monitoring plan of the CPA PP includes parameter time budgets to be determined via household survey
Quantitative	The technology of the CPA is an improved cookstove. The relevant
employment and	parameter is number of jobs created and income generated by the
income generation	project.
	Hence, inclusion criteria to be checked at time of inclusion:
	Whether 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.
	Other desir Grant from ODM deserves at a Grant from (formalise late)
H.4	Other deviations from CDM documentation (if applicable)



ANNEX 1 ODA declaration

atmosfair gGmbH, Zossener Straße. 55-58, D-10961 Berlin

think-go climate conscious atmosfair

Berlin, 2011-03-04

atmosfair gGmbH

Headquarter: Kaiserstr. 201 D-53113 Bonn

Office: Zossener Straße 55–58 D-10961 Berlin

Tel.: +49 (0)30 6273550 - 0 Fax: +49 (0)30 6273550 - 29

E-Mail: info@atmosfair.de

Website: www.atmosfair.de

Registered at: Amtsgericht Bonn HRB 13789

Managing Director: Dr. Dietrich Brockhagen

Bank information: GLS Gemeinschaftsbank eG Donations account: 4009 1533 00 IBAN DE06 4306 0967 4009 1533 00 Business account: 4009 1533 05 IBAN DE65 4306 0967 4009 1533 05

Bank code 430 609 67 BIC GENODEM1GLS

German VAT No.: 27/601/53604 International VAT No.: DE 264 407 559

To: Gold Standard Foundation

Re: Improved Cook Stove Programme for Rwanda

Declaration of Non-Use of Official Development Assistance by Project Owner

I hereby declare that I am duly and fully authorised by the project owner of the above-referenced project, acting on behalf of all project participants, to make the following representations on Project Proponent's behalf:

I. Gold Standard Documentation

I am familiar with the provisions of Gold Standard Documentation relevant to Official Development Assistance (ODA). I understand that the above-referenced project is not eligible for Gold Standard registration if the project receives or benefits from Official Development Assistance under the condition that some or all credits coming out of the project are transferred to the ODA donor country. I now 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 credits [CERs, ERUs or VERs] 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, or that an entity providing ODA to the host country may at some point in the future benefit directly or indirectly from the credits generated from the project as a condition of investment, I will make this known to the Gold Standard immediately.



III. Sanctions.

I am fully aware that under Section 10 of the Gold Standard Terms and Conditions sanctions and damages may be incurred for the provision of false information related to Projects and/or Gold

Standard credits.

Signed:

Name: XAVER STEINGER

Title: Yesponshle project manage

On behalf of:

On behalf of: