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SECTION A. PROJECT DESCRIPTION

A. 1. Title of the project activity

Title: Stoves for Life Efficient Cook Stove Project

Date: May 1, 2017

Version no.: 1.0

A. 2. Project eligibility under the Gold Standard

The proposed project activity, “Stoves for Life: Energy Efficient Cook Stoves Project in Kakamega, Kenya”, meets the Gold Standard eligibility criteria as follows:

The project is the distribution of efficient biomass cook stoves to rural households in Kenya, and therefore classifies as an End-use Energy Efficiency Improvement project.

The project will generate annual emission reductions higher than 60,000 tCO₂eq, and therefore classifies as a large-scale project.

The project is located in Kenya, which has ratified the Kyoto protocol and is listed as a Non-Annex I country with no cap on GHG emissions.

The proposed project activity was not announced previously without mentioning that it will be conducted as a carbon offset project.

The project reduces CO₂, CH₄ and N₂O emissions by reducing the consumption of non-renewable firewood for cooking.

The project is starting the first renewal of crediting period.

A. 3. Current project status

The project started in 2010 and has been running successfully since, and has undergone six successful verifications and currently undergoing the seventh. We are currently applying for validation for the second renewal crediting period. A stakeholder consultation meeting was held in April, 2017 to re-evaluate the project and its discuss its contributions and/or faults. Baseline surveys are currently underway and we will ready for validation. Baseline and project performance field tests will be completed prior to

first verification in the second crediting period.

SECTION B. DESIGN OF STAKEHOLDER CONSULTATION PROCESS

B. 1. Design of physical meeting(s)

i. Agenda

10:23: Opening of the meeting and introductions

10:29: Explanation of the project

10:40: Discussion of continuous input /grievance mechanism/general concerns and clarification from existing stakeholders (mostly suppliers)

11:54: Blind SD exercise and discussion on monitoring SD

13:38: Closure of the meeting

ii. Non-technical summary

Project description (non-technical summary)

Project title: Stoves for Life-Energy Efficient Cook Stove Project in Kakamega, Kenya.

This business enterprise, producing and selling Upesi cooking stoves, was initiated in 2009 in Western Kenya by Eco2librium in collaboration with myclimate Foundation. We are extending this business up to at least until 2024.

The Upesi cook stove is a locally made, ceramic based, energy efficient cook stove. The stoves are permanently installed in people's homes from a kiln-dried liner. As is currently happening, Eco2librium will continue to purchase the liners from production groups, distribute the liners, and

pay installers to install the liners into homes. Upesi stoves will be sold to community households at reduced prices (50% off the market price) or financed through various distribution mechanisms. In addition to this, we will be exploring other production and distribution/installation mechanisms such as purchased franchises and small business loans.

The stoves are expected to reduce the consumption of wood by approximately 40%. These wood savings are accompanied by numerous other benefits which include reduced time spent collecting fuelwood, reduced personal income spent on fuelwood, and reduced time exposed to cooking smoke. Much of the sustainable development challenges faced by this region can be solved in part by reducing fuel requirements and providing stove production/distribution as a viable income for community members.

In addition to the direct and indirect benefits of an efficient stove project, Eco2librium will continue to provide small business loans to assist income generation and business opportunities.

The project will be continue to be managed by Eco2librium's Senior Manager, Christopher Amutabi, Stoves For Life Project Manager, John Luseno, and have oversight from Dr. Anton Espira (Field Director). Monitoring of all activities will be coordinated by Eco2librium's Monitoring Coordinator, Hardley Malema.

Further information about the project will be presented at the meeting or is available on request.

Maelezo juu ya mradi (kwa kutojumuisha sehemu yake ya kitaaaluma)

Jina la mradi: Meko Ya Kuboresha Maisha: Mradi Wa Meko Ya Kutumia Kuni Chache ulioko Kakamega, Kenya.

Biashasa hii ya kutengeneza na kuuza meko ya Upesi ilianzishwa mnamo mwaka wa 2009 katika sehemu ya magharibi mwa Kenya na Eco2librium wakishirikiana na Shirika la Myclimate. Tunatazamia kuuendeleza mradi huu hadi baada ya mwaka wa 2024.

Jiko la Upesi hutengenezwa na wenyejii kutoka kwa udongo, na linahifadhi kuni. Majiko haya hujengwa katika nyumba za watu kwa kutumia mjengo joko-kavu. Kama inavyofanyika wakati huu, Eco2librium itaendelea kununua meko kutoka vikundi vya kutengeneza meko, kisha kusambaza, na kulipa wajenzi wa meko haya. Majiko ya upesi yatauzwa kwa jamii kwa bei iliyopunguzwa (50% ya bei ya soko) au kufadhiliwa kupitia njia mbalimbali za usambazaji. Mbali na hayo, tutakuwa tukichunguza njia nyingine za kutengeneza, kusambaza au kujenga meko, kwa mfano, idhini ya kampuni ya kuwezesha kufanya shughuli maalum kibiashara, na kutoa mikopo ya biashara ndogo.

Meko haya yanatarajiwa kupunguza matumizi ya kuni kwa wastani wa 40%. Akiba ya kuni zinazohifadhiwa pamoja na faida nyingine nyingi, kwa mfano, kupunguza muda unaotumika kwa kukusanya kuni, kupunguzwa sehemu ya mapato yanayotumiwa kununua kuni, na kupunguza muda ambao mpishi anakabili na matitizo ya moshi. Wingii wa changamoto zinazokumba maendeleo endelevu katika eneo hili yanaweza kutatuliwa kwa kupunguza mahitaji ya kawi na kufanya utengenezaji / usambazaji wa meko yanayotumia kuni chache kuwa njia ya mapato

na faida kwa wanajamii.

Mbali na faida ya moja kwa moja na faida zisizohesabika kutokana na mradi huu, Eco2librium itaendelea kutoa mikopo ya biashara ndogo ili kusaidia uzalishaji wa mapato na fursa za biashara.

Mradi huu utasimamiwa na Meneja Mkuu wa Eco2librium, Christopher Amutabi, Meneja wa Mradi, John Luseno chini ya uangalizi wa mkurugenzi wa nyanjani wa Eco2librium Dr. Anton Espira. Ufuatiliaji wa shughuli zote za mradi utaratibiwa na Mratibu wa Ufuatiliaji wa Eco2librium, Hardley Malema.

Maelezo zaidi kuhusu mradi huu yatawasilishwa katika mkutano au yataweza kutolewa kwa kuwasilisha maombi kwa ofisi.

iii. Invitation tracking table

[See Toolkit 2.6 and Annex J]

Category code	Organisation (if relevant)	Name of invitee	Way of invitation	Date of invitation	Confirmation received? Y/N
A	Beacon Installer Group	Mary Nyaranga	Written	15-03-2017	Y
A	Bunyala Installer Group	Jason Sifuna	Written	15-03-2017	Y
A	Malava Installer Group	Beatrice Igadwa	Written	15-03-2017	Y
A	Wema Installer Group	Beatrice Muchesia	Written	15-03-2017	Y
A	Mago Installer Group	Alice Viravu	Written	15-03-2017	Y
A	Lyaduywa Installer Group	Ester Kavochi	Written	15-03-2017	Y
A	Bidii Installer Group	Everlyn Murenjekh	Written	15-03-2017	Y

		a			
A	Worthy Installer Group	Melisa Nawate	Written	15-03-2017	Y
A	Watokambali Installer Group	Caleb Luchebeleli	Written	15-03-2017	Y
A		Jane Anyika	Written	15-03-2017	Y
A		Agnes Malongo	Written	15-03-2017	Y
A		Joska Mutimba	Written	30-03-2017	Y
A		Janepher Mbata	Written	3--03-2017	Y
A		Ruth Alukuma	Written	3--03-2017	Y
B	Valonji Women Producer Group	Mary Modani	Written	3--03-2017	Y
B	Machini Producer Group	Barnabas Mmboyi	Written	3--03-2017	Y
B	Keyo Women Producer Group	Lilian Adhiambo Okello	Written	3--03-2017	Y
B	Keveye Women Producer Group	Kenneth Limoth	Written	3--03-2017	Y
B	Udec Producer Group	Mary Arata	Written	3--03-2017	Y
B	Ichingo Women Producer Group	Zainabu Mukonzo	Written	3--03-2017	Y
B	S.D.A.	Subira Mukaya	Written	3--03-2017	N
D	TREE	Wilberforce Okeka	Written	3--03-2017	Y
E	Gold Standard	Pinar Öztürk	pinar.ozturk@goldstandard.org	22-03-2017	N
C	NEMA	Ms. Anne Nyatichi Omambia, PhD	anomambia2002@yahoo.co.uk, anomambia@nema.go.	22-03-2017	N

			ke		
C	NEMA	Prof. Geoffrey Wahungu	dgnema@nema.go.ke, gwahungu@nema.go.ke	22-03-2017	N
F	Zero: Regional Environment Organisation, Zimbabwe	Chigwada Johannes	info@zeroregional.com	22-03-2017	N
F	Renewable Energy & Energy Efficiency Institute, Namibia	Ndhlukula Kudakwashe	kndhlukula@polytechnic.edu.na	22-03-2017	N
F	SouthSouthNorth, South Africa	Raubenheimer Stefan	stef@southsouthnorth.org	22-03-2017	N
F	NOVA Institute	Christiaan Pauw	christiaan.pauw@nova.org.za	22-03-2017	N
F	ONKE Training	Mmathabo Mrubata	mkhuseli@telkomsa.net	22-03-2017	N
F	WWF International	Bella Roscher	Bella.Roscher@wwf.ch	22-03-2017	N
F	REEEP	Harvey Katrin	katrin.harvey@reeep.org	22-03-2017	N
F	World Vision Australia	Dr. Dean C. Thomson	Dean.Thomson@worldvision.com.au	22-03-2017	N
F	Helio International	Helene O'Connor-Lajambe	hcl@helio-international.org , helio@helio-international.org	22-03-2017	N
F	Climate Action Network South Africa	Dora Ledello	dorah@genercc.net	22-03-2017	N
F	Mercy Corps International	David Nicholson	dnicholson@dc.mercycorps.org	22-03-2017	N

Please explain how you decided that the above organisations/ individuals are relevant stakeholders to your project. Also, please discuss how your invitation methods seek to include a broad range of stakeholders (e.g. gender, age, ethnicity).

This is an enterprise which has suppliers of liners (production groups), stove sellers/installers, and users. It was our intent to include people from these aspects. In addition, the enterprise is designed to compliment ongoing forest conservation efforts through wood reduction. These efforts are driven, in part, by the activities of local, community-based organizations like Stoves for Life (run by Eco2) and TREE. We thus invited users to get their feedback as well as sellers/installers of the product and suppliers which supply the basic liner for the stove. The district social development committee (S.D.A.) was included, as they have years of experience with development projects and will provide insight into making the project effective and successful in this area. Women and men were equally invited.

All invitations to local people and representatives were delivered in written form by hand to ensure the invitations were received and did not bias those without access to computers, etc.. All other invites were by email.

iv. Text of individual invitations

Call for Local Stakeholder Consultation

Stoves for Life:
Energy Efficient Cook Stove Project in Kakamega, Kenya

Date: April 11, 2017, 10 am - 1 pm
Venue: Eco2librium Office in Kakamega Town

Invitation by



ECOLIBRIUM-KENYA

Sustainable Solutions

&

In collaboration with

Purpose of the local stakeholder consultation

The objective of this public meeting is to get different views on the project activity presented below, to take into account concerns and recommendations from all stakeholders, and to meet international guidelines of the Gold Standard Version 2.3 in terms of conducting greenhouse gas reduction projects.

Agenda of the meeting

1. Opening and introductions (10 min)
2. Explanation of the project using Non-technical Summary (see below) (15 min)
3. Questions for clarification about project explanation (15 – 30 min)
4. Sustainable development exercise (30 min)
5. Discussion on monitoring sustainable development (30 min)
6. Closure of the meeting (15 min)



Date and venue

The meeting will take place on April 11, 2017 from 10:00am-1:00 pm at the Eco2librium office located at Milimani Estate in Kakamega town.

Language

The meeting is conducted in Kiswahili. Translation into English and Kiluhya is available.

Giving feedback in writing

If you cannot attend the meeting, please send your comments on the project either via e-mail or mail to either:

myclimate - The Climate Protection Partnership

Tobias Hoeck

Sternenstrasse 12

8002 Zürich

Switzerland

tobias.hoeck@myclimate.org

Dr. Mark Lung, Executive Director

Eco2librium LLC

106 N. 6th, #204

Boise, ID 83702

mark.lung@eco2librium.com

MWITO WA USHIRIKISHI WA MAONI YA WASHIKADAU

MEKO YA KUBORESHA MAISHA:
Mradi Wa Meko Ya Kutumia Kuni Chache
Kakamega, Kenya

Tarehe: April 11, 2017, saa nne asubuhi hadi saa
saba mchana

(10:00 a.m. – 1:00 p.m.)

Mahali pa mkutano: Afisi ya Eco2librium, Kakamega

Mualiko wa



ECOLIBRIUM-KENYA

Sustainable Solutions

ikishirikiana na

Lengo la mkutano wa maoni ya waakilishi

Dhamira ya mkutano huu wa hadhara, ni kupokea maoni mbalimbali juu ya maradi unaowasilishwa hapo chini, ikiangazia makubaliano kutoka kwa waakilishi kutosholeza viwango vya kukadiria ubora vya “Gold standard version 2.3” kwa kuendeleza miradi ya kupunguza hewa inayochafua anga.

Ajenda za mkutano

1. Ufunguzi na kujuana(dakika 10)
2. Kuelezea juu ya mradi kwa mukhtsari bila kujumuisha sehemu yake ya kitaaluma- kama ilivyotajwa hapo chini (dakika 15)
3. Kujibu maswali kutokana na maelezo ya mradi (dakika 15-30)
4. Jaribio kuhusu maendeleo endelevu (dakika 30)
5. Kujadiliana jinsi ya kuendeleza maendeleo endelevu (dakika 30)



6. Kufunga mkuatano (dakika 15)

Tarehe na pahali pa mkutano

Mkutano huu utafanyika tarehe 11 mwezi wa Aprili 2017 (11th April 2017) kuanzia saa 10.00 asubuhi hadi saa saba mchana (1.00 p.m) katika afisi Eco2librium ilioko sehemu ya Milimani katika mji wa Kakamega.

Lugha

Mkutano utajadiliwa kwa lugha ya Kiswahili huku tukiwa na tafsiri ya Kiingereza na Kiluhya..

Maoni yako kupitia nakala

Ikiwa hautakuwa na uwezo wa kuhudhuria mkutano huu, unaombwa kutuma nakala yako ya maoni juu ya mradi kupitia barua pepe au sanduku la posta ukitumia anwani ifuatayo::

myclimate - The Climate
Protection Partnership

Dr. Mark Lung, Executive
Director

Tobias Hoeck
Sternenstrasse 12
8002 Zürich
Switzerland

Eco2librium LLC
106 N. 6th, #204
Boise, ID 83702

tobias.hoeck@myclimate.org

mark.lung@eco2librium.com

v. Text of public invitations

Same as above.

B. 2. Description of other consultation methods used

If individuals and/ or entities (e.g. NGOs) are unable to attend the physical meeting, please discuss other methods that were used to solicit their feedback/ comments (e.g. questionnaires, phone calls, interviews).

NA

SECTION C. CONSULTATION PROCESS

C. 1. Participants' in physical meeting(s)

i. List of participants

Please attach original participants' list (in original language) as Annex 1.

Participants list					
Date and time: 11-04-2017					
Location: Eco2 Office (Kakamega)					
Category Code	Name of participant, job/ position in the community	Male/ Female	Signature	Organisation (if relevant)	Contact details
A	Getrude Ndunde	F		Worthy Installer Group	0728551380
A	Melisa Nawate	F		Worthy Installer Group	0713302906
A	Jane Ariango	F		Worthy Installer Group	0717318726
A	Mary Nyaranga	F		Beacon Installer Group	0717445602
A	Jenipher Mbata	F			0721282575
A	Ruth Alukumu	F			0710427744
B	Lilian Okello	F		Keyo Womens Producer Group	0714732685
B	Rashid Insete	M		Udec Producer Group	0724271939
B	Mary Modani	F		Valongi Womens Producer Group	0706796654
A	Caleb Luchebeleli	M		Watoka Mbali	0717619080

				Installer Group	
D	Wilberforce Okeka	M		TREE	0720672803
B	Barnabas Mmboyi	M		Machina Producer Group	0718649501
A	Margaret Anyi?	F		Bunyala Installer Group	0712668831
A	Jane Anyika	F			0719602015
B	Zainabu Mukonzo	F		Ichingo Women Producer Group	0715536555
B	Kenneth Limoth	M		Keveyo Womens Producer Group	0734793487
A	Alice Viravu	F		Mago Installer Group	0712149649
A	Esther Kavochi	F		Lyaduywa Installer Group	0716524631
A	Jason Namandu	M		Bunyala Installer Group	0729974582
A	Agnes Bubusi ?	F			0713435101
A	Beatrice Igadwa	F		Malava Installer Group	0703962414

Comments accompanying Annex 1

None.

ii. Evaluation forms

[See Toolkit 2.6.1, 2.6.2 and Annex J]

Please add at least 4-5 representative samples in English.

Please attach original evaluation forms (in original language) as Annex 2.

Name	Wilberforce Okeka
What is your overall impression of Stoves for Life?	Excellence
What do you like about the project?	It consumes less firewood

What do you not like about the project?	It's only centered in one area e.g. Kakamega District
Are you content with how feedback from the local stakeholder consultation meeting (April 2017) was considered in the project design?	Yes, I am contented because I learnt a lot from Eco2librium and shared much from all stakeholders.
Are there any issues that you think need to be addressed in this project?	Need more conservation awareness to current producers, installers and all stakeholders within western region. Train more producers and installer group facilitate installation of liners. Need environmental education partnership.

Name	Beatrice Egadwa
What is your overall impression of Stoves for Life?	In my opinion, I support the continuation of the project so that we can continue benefiting from it
What do you like about the project?	I am happy with the fact that the stoves significantly reduce firewood use, quality cooking methods and improved air quality
What do you not like about the project?	Everything looks fine for me
Are you content with how feedback from the local stakeholder consultation meeting (April 2017) was considered in the project design?	Yes
Are there any issues that you think need to be addressed in this project?	Make visit to the households with 3 stone stoves educate and advise them on Upesi stoves and development within the project.

Name	Esther Kavochi
What is your overall impression of Stoves for Life?	Most people would like the project to continue
What do you like about the project?	Firewood consumption has reduced tremendously with use of Upesi stoves
What do you not like about the project?	No issue
Are you content with how feedback from the local stakeholder consultation meeting (April 2017) was considered in the project design?	Yes, I am happy with it.
Are there things that you would like to be considered in this project?	It would be great if payments made to installers are made promptly and on time

Name	Jane Ariango Caleb
What is your overall impression of Stoves for Life?	I propose the project to continue, it has made life to be easy for many people.
What do you like about the project?	<ol style="list-style-type: none"> 1. The stove produce less smoke 2. Uses less firewood
What do you not like about the project?	I have no issues with the project. It will be great if project period is extended.
Are you content with how feedback from the local stakeholder consultation meeting (April 2017) was considered in the project design?	Yes
Are there any issues that you think need to be addressed in this project?	<p>Yes,</p> <ol style="list-style-type: none"> 1. Consider installer payment to be a priority to enable them not to strain a lot. 2. Producers to be careful on soil erosion during clay collection.

Name	Rashid Munyendo
What is your overall impression of Stoves for Life?	This is a good project and I would like it to continue
What do you like about the project?	It conserves the environment
What do you not like about the project?	No issues
Are you content with how feedback from the local stakeholder consultation meeting (April 2017) was considered in the project design?	I am happy
Are there any issues that you think need to be addressed in this project?	There is a need to review liner price

Comments accompanying Annex 2

None

C. 2. Pictures from physical meeting(s)





C. 3. Outcome of consultation process

i. Minutes of physical meeting(s)

Please ensure that you include a summary of the meeting as well as all comments received. Please also include discussion on Continuous Input / Grievance Expression methods; comments, agreement or modifications suggested by Stakeholders.

10.23 John Opening remarks with a brief description of the meeting.

10.24 Wilberforce A word of prayer

10.25 John Welcome note

Request for introductions

Introductions were as follows:

1. Barnaba Mboyi - Machina Pottery group.
2. Wilberforce Okeka - Trees CBO.
3. Jason Sifuna - Bunyala Installer Group.
4. Caleb Lucheveleli - Watokambali Installer Group.
5. Mary Modani - Valonji Women Group.
6. Rashid Injete Munyendo - Udec Producer Group.

7. Lilian Okello - Keyo Pottery Group.
8. Ruth Alukumu (Stove User) - Shinyalu.
9. Jane Caleb - Worthy Installer Group.
10. Mary Nyaranga - Beacon Installer Group.
11. Jennifer Mbata (Upesi User) - Bunyore.
12. Getrude Ndunde - Worthy Installer Group.
13. Melisa Nawate - Worthy Installer Group.
14. Christopher Amutabi (Co-chair) - Eco2librium
15. Mellissa Mwangi - Eco2librium.
16. Hardley Malema - Eco2librium.
17. John Luseno (Chair) - Eco2librium

Other invited stakeholders had not yet arrived.

10.27 John Opening meeting.

Kiswahili selected as language to be used during the meeting.

Briefly explains agenda of the meeting, aims and expected outcomes of the meeting.

10.29 John Explains SFL project background, its roles and mission in reducing carbon emissions and improving livelihoods.

Explains Eco2 in partnership with myClimate in marketing carbon credits generated from the project which helps to subsidize the cost of stove acquisition.

Gives a brief description of all personnel involved in Eco2 activities including Directors.

Explains phase one of the project which is coming to an end, regions covered, achievements and boundaries of Eco2 project.

Elaborates call for local stakeholder consultation to get the revalidated for second phase that is expected to extend to the year 2024.

10.37 John Additional introduction.

Margaret Kegode - Bunyikhu Installer Group.

10.38 John Opens discussion and question session.

10.39 Rashid Glad to be invited. Says SFL project is of benefit and well advised.

10.40 Chris Asks if everyone is aware of SFL project.

Asks stakeholders concepts and opinions on contributions on what to factor in phase 2 for a successful project.

Explains what an upesi cook stove is.

10.41 Caleb Happy to be invited, feels he fully understands what the project is about.

10.42 Wilberforce Appreciates SFL project benefits to the community and emphasizes the need for the project to continue focusing on benefiting the community.

10.43 Caleb Inquires if it would be possible to factor direct loans to the members from the project.

10.44 John Explains how loans have been issued to producer groups through Kilns.

However, we will consider giving loans to other types of groups (outside of producer groups) to improve their activities.

10.52 Mary Explains some of the important aspects of the project.

Explains on the need to replace some existing liners that are in destroyed condition.

10.54 Getrude Asks if one could be a member in two different installer groups.

10.55 John Explains that eco2 policies do not allow for a member to be part of two different groups due to inefficiency.

Encourages groups to open groups in other places.

10.56 John One more person arrives.

Jane Anyiga (upesii user) - Maragoli.

10.57 Barnabas Eco2 has been a key buyer of their liners from their pottery group. Hopes the project will continue.

Requests for consideration of individual loans in future.

10.58 Caleb He is very close to the boundaries.

Requests for willing buyers in need of liners from places outside our current project boundary to be considered.

Hopes the project will go beyond the borders in which it currently operates.

10.59 Chris Explains on how the project aims to offer individual help to improve their lives.

Explains that phase one of the project only covered Vihiga and Kakamega counties. He further explains regions to be covered by the project for phase 2. These areas include Busia, Bungoma, Transzoia, parts of Kisumu, Siaya, Nandi and Uasin Gishu counties.

11.04 John Other Key stakeholders arrive.

Introductions.

Esther Kavochi - Lyaduywa installer group.

Alice Vilavu - Mago Installer group.

Zainab Mukonzo - Ichingo producer group.

Kenneth Limotsi - Keveye Producer group.

11.07 Caleb He hopes there will be more funding in the second phase of the project.

11.08 Jennifer Suggests Eco2 ventures in other projects which can be helpful to the community besides energy efficient stoves.

11.09 John Acknowledges Eco2 is also focusing on production of briquettes and that

briquettes can be used as an alternative to firewood.

This will also help in protecting our forests.

11.10 Wilberforce Asks if there have been challenges faced by Eco2 in the first phase.

11.12 Chris Acknowledges indeed there have been challenges faced.

In no order, some of the producer groups have not been able to make good quality liners that could last for 7 years as intended.

There have also been breakages during distribution of liners leading to financial loss.

Dishonest installers who reports ghost stove installations. However, our monitoring system can identify such cases before they are included in our primary databases.

We also experienced some challenges on liners being installed outside project areas.

Also, cultural beliefs and traditions slowed down people from switching from 3-stones to Upesi stoves.

11.16 John In addition, when households relocate to new areas it is a challenge to track them e.g. households that were relocated near west Kenya sugar company to give room for company to expand its sugarcane plantations

11.18 Esther Happy to be here.

Emphasizes that producer groups should continue to focus on producing good quality liners.

11.21 Mary She asks if there were producer group trainings in the first phase of the project.

The project should undertake a range of activities such as education and marketing.

More awareness of the liners to be spread through baraza's where people convene weekly.

11.24 John Comments that Mary's suggestions are good advice.

Promises that the project will have more meetings and trainings with both the producers and installers.

Branding of the project will also be done.

11.30 Hardley Project will entail more community participation.

More education and corporate social responsibility to be factored.

11.32 Mary Generally, benchmarking will help in learning between groups.

She hopes the project facilitates them since it has a positive effect.

11.33 Wilberforce Calls for good organization among partner groups which is key to a successful project.

11.35 Chris Seems we have exhausted all the questions.

Outlines that we are going to talk about sustainable development exercise next.

Asks for a break.

11.40 Chris Short break for ten minutes.

11.53 John Additional introduction

Agnes Bubusi (Upesi User) – ileho.

Beatrice Egadwa - Malava Installer group.

11.54 Chris Introduces sustainable development exercise.

Explains on the twelve gold standard indicators on environment, social development and economic and technological development

Discussion of each indicator and relation to our project.

Explains on how to score on a sustainable development matrix.

Requests everyone to be as honest as possible when filling the preliminary scores.

Emphasis that no particular answer is expected, and any negative perception can be freely expressed.

12.40 Chris Additional introduction.

Caleb Analo - Eco2.

12.40 Mary Asks on mitigation measures on clay extraction sites.

12.41 Chris Calls for patience.

Explains we will also talk on mitigation measures, parameters and ways of monitoring the indicators and that a consensus on each indicator will be reached.

Everyone is free to express his/her opinion before we reach a consensus.

12.43 Chris Introduces first indicator- air quality.

Asks for how the project will impact air quality

Requests team to contribute

12.45 Beatrice Air quality will improve since upesi produces less smoke.

She talks on how chest related problems have reduced.

Therefore, we could go around hospitals to ask for their records to validate on the reduction of respiratory problems.

12.48 Jane I used to use plastics on my 3 stones but since I got an upesi stove I no longer use the plastics in cooking. Plastics are notorious smoke producers and therefore their reduced use means less air pollution

12.50 Mary Use of Upesi stove requires less time for cooking and reduced wood burning. Therefore, less smoke emitted to the environment

12.51 Esther Running and stuffed noses in general has also significantly reduced.

12.52 Rashid Deforestation will reduce therefore air quality will improve.

Chris elaborates.

12.54 Zainab Upesi has reduced number of accidents in the kitchen.

12.55 Wilberforce Cases of people being arrested for illegally burning charcoal from the forest have reduced over the past few years and attributed this to Stoves project. This has a positive impact on forest health which in turn enhances air purification and availability of other ecosystem services.

12.59 Chris Full consensus as to air quality improvement reached.

13.01 Chris Introduces second indicator - water quality and quantity.

13.02 Kennedy More trees means more water.

13.03 Mary Nyaranga Reduced deforestation will result to more rains. As such, people will be able to harvest more water when it rains.

13.04 Chris Full consensus reached as to increased water quality and quantity.

Asks on possible parameters and how we could monitor water quality and quantity.

13.05 Beatrice Site visits.

If tropical rainforest is conserved, there always is significant high rainfall in our region that can be measured as compared to others.

Barnabas seconds.

13.07 Chris Introduces third indicator - soil conditions

13.08 Zainab We need to consider the impacts of harvesting soils and come up with mitigation measures. Perhaps producers should not go digging very deep for soil. They can also source for soil from other places. The producers should be sensitized more on this

13.09 Getrude A reduction in deforestation will result to reduction in soil erosion

Ruth seconds.

13.10 Jane Comments that clay should be collected in selected areas and it should be

rotational.

13.10 Ruth Raises a concern that there is no definite depth set on getting clay for making upesi stoves and reiterates the fact that rehabilitation of these sites is critical.

Suggests that perhaps trees be grown where the clay has been harvested.

13.11 Alice Advices that holes can be filled with manure and trees planted.

13.12 Lilian Agrees that clay collection can damage soil but currently we have been able to counter the effect by planting trees where the soil has been harvested.

13.13 Rashid Informs the participants that his group grows cassavas where the soil has been harvested.

He suggests that an appropriate way of monitoring that rehabilitation is by conducting site visits and perform time-series assessment.

13.14 Wilberforce Comments, it's good to know mitigation measures have been in place and rehabilitation is being done on the clay collection sites.

13.15 Chris I think we have a full consensus on this issue

13.15 Chris Introduces fourth indicator - other pollutants.

13.16 Mary States that when stoves are fired, a lot of smoke emitted. She confirms that currently, Eco2 through kilns is providing loans to build modern and improved structures to aid in their operations.

The kilns built emit less smoke thus no pollution as compared to the past.

She is happy that the project will help in discouraging pollution and will also help educate the masses on the effects of pollution.

Noise pollution is not a concern here

13.17 Chris Asks for consensus.

All are in consensus.

13.18 Chris Introduces fifth indicator - biodiversity.

13.18 Jason Reduced deforestation means there will be more trees and animals
Quality of wildlife habitats is improved.

13.19 Wilberforce Comments that planting of bananas will improve biodiversity and
this will also be a source of food

13.19 Chris It seems we are all in consensus as to biodiversity.

13.20 Chris Introduces sixth indicator - quality of employment.

13.20 Zainab Advice that there will be increased employment to the youth since skills in
making and installing an upesi stove are easily transferrable.

13.21 Beatrice States that Stoves for life is a primary source of employment. The
returns gotten from installing stoves is used in paying fees and meeting daily expenses.

13.22 Chris Concludes by saying he sees all are in consensus.

13.22 Chris Introduces seventh indicator - livelihood of the poor.

13.23 Jennifer We can already bear witness on how stoves for life has
empowered women who had poor living standards before the project started.

She states that eco2 can monitor installers and ask if their livelihoods have improved.

13.24 Mary Since upesi stoves uses less firewood, lesser money is spent on firewood.
The money saved is used in catering for other expenses.

13.25 Chris Concludes that we have a full consensus.

13.25 Chris Introduces eighth indicator - access to affordable and clean energy services

13.26

13.27 Mellissa

Chris She explains how presence of upesi stoves in kitchens makes it cleaner and appealing to cook in the kitchen.

Upesi is affordable and sustainable

Silence means we are all in agreement.

Asks if there is a contrary opinion.

Full Consensus reached.

13.28 Chris Introduces ninth indicator - human and institutional capacity

13.28 Beatrice Our local people have been empowered and the current stoves for lives has been a primary source of their income.

There is increased transfer of skills through the trainings and refresher trainings.

Mary seconds.

13.29 Chris A full consensus has been reached.

13.30 Chris Introduces tenth indicator - employment and income generation

13.30 Barnabas The quality and quantity of employment will improve since there will be jobs for producers, installers and the working team in the company.

13.31 Mary Asks for proper organization among groups and also train more personnel. Requests if it's possible to get the necessary authorities that gives the KEBS (Kenya Bureau of standards) stamps to certify that the liners meet required standards.

Ruth seconds.

13.32 Chris I believe silence means we are all in agreement.

Full consensus reached.

13.33 Chris Introduces eleventh indicator - balance of payments and investment.

13.33 Barnabas Money will come to the community therefore more investments will be made within the project area and among the beneficiary communities

13.34 Chris A full consensus has been reached.

13.34 Chris Introduces technology transfer and technological self-reliance.

13.35 Mary Believes more people will be educated since energy efficient stoves can be sourced to other locations.

13.35 Mellissa This is obvious.

Our people will be self-reliant when they make money thus a positive impact.

13.36 Chris A full consensus has been reached

13.37 Chris Chris states the feedback date and preferred ways of sharing more information on what has been discussed in the meeting

He promises to share with everyone minutes and feedback of the meeting

Thanks everyone for their participation.

13.38 John John closes the meeting.

13.39 Group photo and casual discussions

ii. Minutes of other consultations

None

iii. Assessment of all comments

[See Toolkit 2.6]

Stakeholder comment	Was comment taken into account (Yes/ No)?	Explanation (Why? How?)
Is it possible to get direct loans from the company?	Yes	We have a micro-loan component of Eco2 (KILNS) and we do give loans but up until this point they have been for building capacity of producers. We will begin to expand this more fully.
There are a lot of liners that are destroyed and need replacement.	Yes	We have a repair/replacement component and we will work with installers to make this more efficient in the future.

Can a person belong to 2 installer groups?	No	This is not done, but we do suggest starting your own group somewhere else.
What can be done about installing stoves outside the project boundary	Yes	This is being done during this re validation.
There should be more education and marketing.	Yes	We will be having more cook outs and marketing in the new areas.
There should be more producer training.	Yes	As we move into new user areas we will be training more producer groups to supply the liners in these areas.
We should look into hospital records for improvements in respiratory ailments due to less smoke with new stoves.	Yes	We will explore this as a possible indicator for air quality.
With regards soil quality, we should (1) rotate soil extraction sites and be more selective in certain areas; (2) grow trees; and (3) get time series assessments.	Yes	We will create a more deliberate plan for site rehabilitation that will include time series assessments.
The new kilns for firing the liners are much better for less smoke and air quality	Yes	We have already provided loans to producer groups to make more modern kilns to fire liners and plan to continue this.
Eco2 should monitor installers and look for livelihood improvements	No	This is already done.
We should properly organize groups and train more personnel	Yes	We will work with groups to organize better and we will be training more personnel as we expand.
We should get Kenya Bureau of Standards to	Yes	WE will contact Kenya Bureau of Standards and

stamp stoves that they met required standards		inquire.
We need an environmental education partnership	Yes	We will put this into our goals for the next couple years.
There were a few comments from the evaluation about the price we pay for liners.	Yes	We will be initiating negotiations with suppliers (producers) regarding increasing the price Eco2 pays for liners.

iv. **Revisit sustainability assessment**

Are you going to revisit the sustainable development assessment?	Yes	No
<p>Please note that this is necessary when there are indicators scored 'negative' or if there are stakeholder comments that can't be mitigated</p> <p>[See Toolkit 2.7]</p>	x	

Give reasoning behind the decision

The sustainable development assessments were similar except that the original contained neutral responses when positive responses were given by stakeholders, but it will be difficult to measure those sections and/or attribute them directly to the project. However, the indicator of respiratory ailments is interesting and we may include it as a positive indicator after we look into whether the information is available and can be linked to the project.

v. **Summary of alterations based on comments**

If stakeholder comments have been taken into account and any aspect of the project modified, then please discuss that here.

The above comments in the table show what will be taken into account to modify project.

[See Toolkit 2.6.2, 2.8]

SECTION D. SUSTAINABLE DEVELOPMENT ASSESSMENT

D. 1. Own sustainable development assessment

i. 'Do no harm' assessment

[See Toolkit 2.4.1 and Annex H]

Safeguarding principles	Description of relevance to my project	Assessment of my project risks breaching it (low, medium, high)	Mitigation measure
Human Rights			
1	No cultural change is required.	Low	Not needed
2	The production and use of stoves does not result in any person's relocation.	Low	Not needed
3	The project produces and sells stoves made from local mud/sand for cooking. This does not result in any alteration, damage or removal of cultural heritage.	Low	Not needed
Labour Standards			
4	Workers have already established working groups and Stoves for Life will build their capacity.	Low	Not needed
5	All work related to production and sales is voluntary. No person or household is forced to make, install or buy a stove	Low	Not needed
6	All workers are adults. No child labour is engaged for the production or the sales/installation of the stove.	Low	Not needed
7	Project works with already established	Low	Not needed

	groups which represent an underserved population, which are largely women and but will work with other groups to maintain standards related to discrimination.		
8	No hazardous materials are used for the production of the stove. All materials are locally available. The production/installation does not involve any dangerous processes.	Low	Not needed
Environmental protection			
9	Project promotes environmental protection through using less firewood and by rehabilitating sites through tree and grass planting.	Low	
10	No natural habitats will be converted or degraded. The materials used for stove construction are: mud and sand. The project promotes habitat conservation through reduced firewood use.	Low	
11	The project is implemented by Eco2librium (a U.S. LLC) in collaboration MyClimate. The project is not prone to potential corruption opportunities.	Low	
Additional relevant critical issues for my project type	Description of relevance to my project	Assessment of relevance to my project (low, medium, high)	Mitigation measure
1	NA		
2	NA		
etc...	NA		

ii. Sustainable development matrix

[See Toolkit 2.4.2 and Annex I]

Indicator	Mitigation measure	Relevance to achieving MDG	Chosen parameter and explanation	Preliminary score
Gold Standard indicators of sustainable development	If relevant, copy mitigation measure from 'Do No Harm' assessment, and include mitigation measure used to neutralise a score of '-'	<p>Check www.undp.org/mdg and www.mdgmonitor.org</p> <p>Describe how your indicator is related to local MDG goals</p>	Defined by project developer	<p><u>Negative impact:</u> score '-' in case negative impact is not fully mitigated, score '0' in case impact is planned to be fully mitigated</p> <p><u>No change in impact:</u> score '0'</p> <p><u>Positive impact:</u> score '+'</p>
Air quality		MDG 5: Improve maternal health	<p>Fuelwood smoke:</p> <p>The project improves indoor air quality (reduced fuelwood smoke) through cleaner and less burning and thus reduces harmful smoke emissions causing health problems especially to women and children.</p>	+
Water quality and quantity			Large scale water quality and quantity positive effects due	0

			to reduced deforestation may be experienced but this is hard to directly attribute to project.	
Soil condition			Extraction of mud for making of liners is necessary, but this is in very small amounts, extraction occurs by 10 different production groups far from each other, rotation of mud collection sites is encourage, and rehabilitation is budgeted and completed annually by Eco2.	-
Other pollutants			The stoves are made from local mud and sand by hand, and they are dried in kilns by the burning of wood.	0
Biodiversity			All people in region cook with wood and much of this wood comes from the local forest. Upesi stoves will cut fuelwood use in half and protect habitat. This is expected to conserve biodiversity, but this is a very long-term variable and potentially affected by other variables therefore we keep it	0

			at neutral.	
Quality of employment			Mostly quantity of employment is expected to be impacted.	0
Livelihood of the poor		MDG 1: eradicate extreme poverty:	Households with stoves will reduce wood fuel use and this will decrease the amount of trips or the amount of time to collect wood	+
Access to affordable and clean energy services		MDG 7: Ensure environmental sustainability	Households still use traditional cooking and wood for fuel; Project will provide affordable efficient stoves into households.	+
Human and institutional capacity		MDG 3: Promote gender equality and empower women	Project provides income to many people and the focus is on women and underserved.	+
Quantitative employment and income generation		MDG 1: eradicate extreme poverty:	Project will provide income to many people directly as producers, sellers and installers of stoves as well as a management team. This is in a region that has >50% poverty.	+
Balance of payments and investment				0
Technology transfer and technological self-reliance				0

Comments accompanying own sustainable development matrix

None.

D. 2. Stakeholders Blind sustainable development matrix

[See Toolkit 2.6.1]

Indicator	Mitigation measure	Relevance to achieving MDG	Chosen parameter and explanation	Preliminary score
Gold Standard indicators of sustainable development	If relevant, copy mitigation measure from 'Do No Harm' assessment, and include mitigation measure used to neutralise a score of '-'	<p>Check www.undp.org/mdg and www.mdgmonitor.org</p> <p>Describe how your indicator is related to local MDG goals</p>	Defined by project developer	<p><u>Negative impact:</u> score '-' in case negative impact is not fully mitigated, score '0' in case impact is planned to be fully mitigated</p> <p><u>No change in impact:</u> score '0'</p>

				<u>Positive impact:</u> score '+'
Air quality			<p>Visits to local hospitals for respiratory and chest problems records. Interview with upesi stove users periodically</p> <p>Interview with forest station managers.</p>	+
Water quality and quantity			<p>Site visits.</p> <p>Comparing rain gauges with other regions.</p>	+
Soil condition	<ul style="list-style-type: none"> • Rehabilitation of clay harvesting sites. • Rotational clay harvesting. • Limiting depth of claying harvesting. • Education to producers 		<ul style="list-style-type: none"> • Monitoring rehabilitated areas on progress. • Photography. • Interview with producers. • Site visits. 	+
Other pollutants			<ul style="list-style-type: none"> • Air quality in homes <p>Interview with users of stoves</p>	+
Biodiversity			<ul style="list-style-type: none"> • Interviews with forest station managers • Interviews with upesi stove users living around the 	+

			forest.	
Quality of employment			<ul style="list-style-type: none"> • Interviews with producers. • Interviews with installers. • Interviews with staff Interviews with local authorities.	+
Livelihood of the poor			<ul style="list-style-type: none"> • Interviews with installers. • Interviews with producers. • Introducers with staff • Monitoring of schools and markets 	+
Access to affordable and clean energy services			<ul style="list-style-type: none"> • Air quality in homes • Interview with upesi stove users. 	+
Human and institutional capacity			Interview with stakeholders.	+
Quantitative employment and income generation			<ul style="list-style-type: none"> • Interviews with local community members Monitoring of schools and markets	+
Balance of payments and investment			<ul style="list-style-type: none"> • Interview with local community members Information from banks.	+
Technology transfer and technological			Surveys of local markets	+

self-reliance				
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Comments resulting from the stakeholders blind sustainable development matrix
Comments are clearly ascertained in minutes.

Give analysis of difference between own sustainable development matrix and the one resulting from the blind exercise with stakeholders. Explain how both were consolidated.

Blind stakeholder matrix contained many positive outcomes of indicators. However, these would be difficult to accurately assess and were thus made neutral. Otherwise the comments and assessments were similar. The soil condition assessment was recorded as a positive impact, but we think that without mitigation, it could be considered a negative. The mitigation measures have been implemented for the last six years and we will also add education and time assessments to the rehabilitation.

D. 3. Consolidated sustainable development matrix

[See Toolkit 2.4.2]

Indicator	Mitigation measure	Relevance to achieving MDG	Chosen parameter and explanation	Preliminary score
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Gold Standard indicators of sustainable development	If relevant, copy mitigation measure from 'Do No Harm' assessment, and include mitigation measure used to neutralise a score of '-'	<p>Check www.undp.org/mdg and www.mdgmonitor.org</p> <p>Describe how your indicator is related to local MDG goals</p>	Defined by project developer	<p><u>Negative impact:</u> score '-' in case negative impact is not fully mitigated, score '0' in case impact is planned to be fully mitigated</p> <p><u>No change in impact:</u> score '0'</p> <p><u>Positive impact:</u> score '+'</p>
Air quality		MDG 5: Improve maternal health	<p>Air quality in homes:</p> <ol style="list-style-type: none"> 1. number of positive comments from users of stoves in Monitoring Survey. 2. Analysis of clinic patients for respiratory ailments in areas with stoves vs. without? <p>Upesi Stoves will reduce fuelwood smoke through cleaner burning and decreased fuelwood burning through efficiency. This should lead to positive comments by stove owners about indoor air</p>	+

			quality and perhaps fewer cases of respiratory-related problems at local dispensaries	
Water quality and quantity			Overall, reduced deforestation is expected to improve water quality and quantity, but difficult to attribute directly to project, therefore neutral.	0
Soil condition	<ul style="list-style-type: none"> • Rehabilitation of clay harvesting sites. • Rotational clay harvesting. • Limiting depth of clay harvesting. • Education to producers 		<p>1. amount of land rehabilitated.</p> <p>2. Education of production groups to rotate extraction sites and limit depths.</p> <p>Overall, reduced deforestation is expected to improve regional soil conditions. Localized soil conditions where clay extracted could be affected at small scales, but stove production groups already using mitigation measures to reduce these effects through rotation of extraction sites and grass planting to protect and restore soil conditions.</p>	-
Other pollutants			Project does not involve other pollutants.	0
Biodiversity		MDG 7: Ensure environmental sustainability	Upesi stoves will cut fuelwood use in half and protect habitat as most households cook with wood and much of this comes from the local forest. This is expected to conserve biodiversity, but this is a very long-	0

			term variable and potentially affected by other variables therefore we keep it at neutral.	
Quality of employment			<p>1. <i>Number of people employed by project earning greater than they did prior to working for project.</i></p> <p>b. <i>Record keeping of project salaries and random survey of those receiving income comparing incomes before and with project.</i></p> <p>This project will provide direct incomes for over 300 people in amounts that exceed what they made before for at least 50% of the people.</p>	0
Livelihood of the poor		MDG 1: eradicate extreme poverty:	<p>1. <i>Savings of trips and time for fuelwood per household</i></p> <p>Monitoring through surveys and compared to baseline.</p>	+
Access to affordable and clean energy services		MDG 7: Ensure environmental sustainability	<p>1. <i>Number of people using energy efficient cooking methods</i></p> <p>a. sales record</p> <p>Project will put EE stoves many households and reduce fuelwood consumption and benefits associated with this.</p>	+
Human and institutional capacity		MDG 3: Promote gender equality and empower women	<p>1. <i>Number of women in area receiving a training and income for stoves.</i></p> <p>Project records can</p>	+

			show income to women and compared with baseline. Project focuses on women's groups to build their capacity to produce, market and sell and install EE stoves.	
Quantitative employment and income generation		MDG 1: eradicate extreme poverty:	<p>1. Number of people receiving an income.</p> <p>Project financial records.</p> <p>Project will provide income to over 300 people directly.</p>	+
Balance of payments and investment			Project does not involve this indicator.	0
Technology transfer and technological self-reliance			Although the project will bring some technology and training to this area, the stoves are based upon traditional cooking methods and bring no real technology. However local capacity is built for production and marketing of stoves.	0
<p>Justification choices, data source and provision of references</p> <p>A justification paragraph and reference source is required for each indicator, regardless of score</p>				
Air quality	<p>Health impact of household energy use:</p> <p>As the baseline, air quality in households is generally poor from cooking with wood using the three-stone method where cooking is done indoors in poorly ventilated spaces. It is expected that because Upesi stoves burn cleaner and use 50% less wood than the three-stone that air quality in households, as measured by the total amount of time a person is exposed to fire smoke, will be positively influenced. This is in turn expected to decrease the number of respiratory ailments reported in local clinics.</p> <p>“Lack of access to clean, efficient, modern energy in the home can impact health in many ways. The most important direct health effects result from the air pollution caused by burning solid fuels, often indoors on open fires and simple</p>			

	<p>stoves. [...] There is good evidence linking smoke from solid fuel use in developing countries with three important diseases—child pneumonia, chronic obstructive pulmonary disease (COPD), and lung cancer. Smoke from incomplete combustion of solid fuels contains many substances known to be toxic to human health through a variety of mechanisms. Among these pollutants, small particulate matter and carbon monoxide have been most commonly measured in homes using solid fuels.” WHO & UNDP 2009, page 22.</p> <p>Sources:</p> <p>The Energy Access Situation in Developing Countries. A Review Focusing on the Least Developed Countries and Sub-Saharan Africa. WHO & UNDP, November 2009: http://www.undp.org/energy/</p> <p>The monitoring Kitchen Survey will include this indicator (reduced indoor air pollution) in the questionnaire.</p>
<p>Water quality and quantity</p>	<p>As the baseline, water quality and quantity are generally poor in this region due to deforestation. Although this project will potentially slow deforestation rates this effect on water quality and quantity is long-term and potentially influenced by many other variables.</p> <p>Sources:</p> <p>KOKWARO, J.O. (1988) Conservation status of the Kakamega Forest in Kenya: the easternmost relic of the equatorial rainforests of Africa. Monogr. Syst. Bot. Missouri Bot. Garden 25:471-489.</p> <p>WASS, P. (1995). Kenya's Indigenous Forests: Status, Management, and Conservation. IUCN, Gland, Switzerland.</p> <p>"State of the World's Forests 2009". United Nations Food and Agriculture Organization. [http://www.fao.org/docrep/011/i0350e/i0350e00.HTM]</p>
<p>Soil condition</p>	<p>Locally, the soil could be damaged from clay extractions near stove production sites, but this is very minimal and small and is already being successfully mitigated by groups who make stoves and have been doing so for many, many years. Project could have positive large scale effects through reduced deforestation.</p> <p>Sources:</p> <p>KOKWARO, J.O. (1988) Conservation status of the Kakamega Forest in Kenya: the easternmost relic of the equatorial rainforests of Africa. Monogr. Syst. Bot. Missouri Bot. Garden 25:471-489.</p> <p>WASS, P. (1995). Kenya's Indigenous Forests: Status, Management, and Conservation. IUCN, Gland, Switzerland.</p> <p>"State of the World's Forests 2009". United Nations Food and Agriculture Organization. [http://www.fao.org/docrep/011/i0350e/i0350e00.HTM]</p>

Other pollutants	This project is not involved with any other pollutants and will not produce any other significant pollutants.
Biodiversity	<p>While the stoves will decrease wood use by half the direct effects of this on forest biodiversity will be difficult to measure, especially during the project timeframe. Project may have positive effects through reduced deforestation, but this is difficult to measure and attribute to project.</p> <p>Sources:</p> <p>LUNG, M.A., BOETCHER, A., AND GEHRING, T. 2008. An Assessment of Human Access and Forest Use Patterns in Kakamega Forest, Kenya: Implications for Management and Forestry-based Carbon Offset Projects. Working Paper, KFS.</p> <p>LUNG. T. AND SCHAAB, G. 2006. Assessing fragmentation and disturbance of west Kenyan rainforests by means of remotely sensed time series data and landscape metrics. Afr J Ecology 44:491-506.</p> <p>Mitchell, N. 2004. Exploitation and disturbance history of Kakamega Forest, western Kenya. BIOTA East Report #1.</p> <p>"State of the World's Forests 2009". United Nations Food and Agriculture Organization. [http://www.fao.org/docrep/011/i0350e/i0350e00.HTM]</p>
Quality of employment	<p>Employment in this region is very low with more than 50% reporting no source of employment. Poverty levels are >50% . Under the baseline, this is expected to continue. This project will bring employment and income to at least 300 people at wages significantly above what was made prior and thus positively influence quality of employment in this area.</p> <p>Sources:</p> <p>Dose, H. 2007. Securing household income among small-scale farmers in Kakamega District: possibilities and limitations of diversification. GIGA (German Institute of Global and Area Studies) Research Programme: Working Paper, No. 41. Transformation in the process of Globalization, Hamburg.</p> <p>Kenya National Bureau of Statistics (KNBS) 2009. Republic of Kenya: 2009 Kenya Population and Housing Census.</p>
Livelihood of the poor	<p>Poverty in this region is above 50%. Access to energy sources, clean water and health care is poor. Many people spend considerable time collecting wood for fuel and most people do not have an steady income. Under baseline this is expected to continue. This project will provide reduce wood use and subsequently reduce time and money spent collecting wood.</p>

	<p>Sources:</p> <p>GUTHIGU, P. AND J. MBURU. (2006) Local communities incentives for forest conservation: case of Kakamega Forest, Kenya. Paper presented at 11th Conference of the International Association for the Study of Common Property. Bali, Indonesia, 2006.</p> <p>HABERMEHL, H. 1994. Microeconomic and macroeconomic benefits of household energy conservation measures in rural areas of Kenya. Deutsche Gesellschaft fur. Technische Zusammenarbeit (GTZ) GmbH. Household Energy Program (HEP). Germany.</p> <p>Monitoring surveys will include time savings of the households with improved stoves and compare to baseline.</p>
<p>Access to affordable and clean energy services</p>	<p>Under baseline scenario, most people in this area cook with wood using the three-stone method. The wood comes largely from the forest which can be costly for many households to buy permits and takes considerable time to collect. This project will reduce wood consumption by almost half thus reducing incomes and time spent on fuel.</p> <p>Sources:</p> <p>GUTHIGU, P. AND J. MBURU. (2006) Local communities incentives for forest conservation: case of Kakamega Forest, Kenya. Paper presented at 11th Conference of the International Association for the Study of Common Property. Bali, Indonesia, 2006.</p> <p>HABERMEHL, H. 1994. Microeconomic and macroeconomic benefits of household energy conservation measures in rural areas of Kenya. Deutsche Gesellschaft fur. Technische Zusammenarbeit (GTZ) GmbH. Household Energy Program (HEP). Germany.</p> <p>Maurer, J. et al. 2007. The relationship between community conditions and forest utilization in Kakamega Forest, Kenya. Unpublished report conducted for Kakamega Environmental Education Programme.</p> <p>LUNG, M.A., BOETCHER, A., AND GEHRING, T. 2008. An Assessment of Human Access and Forest Use Patterns in Kakamega Forest, Kenya: Implications for Management and Forestry-based Carbon Offset Projects. Working Paper, KFS.</p> <p>LUNG. T. AND SCHAAB, G. 2006. Assessing fragmentation and disturbance of west Kenyan rainforests by means of remotely sensed time series data and landscape metrics. Afr J Ecology 44:491-506.</p>
<p>Human and institutional capacity</p>	<p>Currently, the groups that make and install the stoves have limited capacity, in terms of knowledge, staffing, infrastructure, and marketing/dissemination abilities, to produce and install stoves in households in this area. The primary goal of this project is to build</p>

	<p>their capacity through the process so that after the project they are able to maintain the production and sales and maintain their businesses. Women are underserved in this area and this project focuses on women in terms of employment.</p>
Quantitative employment and income generation	<p>Employment in this region is very low with more than 50% reporting no source of employment. Under the baseline, this is expected to continue. This project will bring employment and income to at least 300 people.</p> <p>Sources:</p> <p>GUTHIGU, P. AND J. MBURU. (2006) Local communities incentives for forest conservation: case of Kakamega Forest, Kenya. Paper presented at 11th Conference of the International Association for the Study of Common Property. Bali, Indonesia, 2006.</p> <p>HABERMEHL, H. 1994. Microeconomic and macroeconomic benefits of household energy conservation measures in rural areas of Kenya. Deutsche Gesellschaft für Technische Zusammenarbeit (GTZ) GmbH. Household Energy Program (HEP). Germany.</p> <p>Kenya National Bureau of Statistics (KNBS) 2009. Republic of Kenya: 2009 Kenya Population and Housing Census.</p> <p>Annual monitoring of number of temporary and permanent jobs created for the project implementation.</p>
Balance of payments and investment	N.A.
Technology transfer and technological self-reliance	<p>Project will bring energy efficient cooking in culturally sensitive way to rural Kenya, but the stoves are not based on new technology, but a modification on traditional ways.</p>

References can be an academic or non-academic source, such as a university research document, a feasibility study report, EIA, relevant website, etc.

SECTION E.	SUSTAINABILITY MONITORING PLAN
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E. 1. Discussion on Sustainability monitoring Plan

[See Toolkit 2.4.3 and 2.6.1]

Discuss stakeholders' ideas on monitoring sustainable development indicators. Do people have ideas on how this could be done in a cost effective way? Are there ways in which stakeholders can participate in monitoring?

Most of stakeholder comments about monitoring (see blind stakeholder assessment) involve interviews and/or "visits to forest" or production sites to observed effects. Most of the indicators, we feel, if positive, would be difficult to assess and more difficult to attribute to the project.

Because we are revalidating and have had successful verification based upon existing monitoring procedures, this will be kept consistent with the past.

E. 2. Discussion on continuous input / grievance mechanism

[See Annex W]

Discuss the Continuous input / grievance mechanism expression method and details, as discussed with local stakeholders.

	Method Chosen (include all known details e.g. location of book, phone, number, identity of mediator)	Justification
Continuous Input / Grievance Expression Process Book	Book with table 2.1 format is made available at the front desk of Eco2 office in Kakamega.	Kakamega is a central location for all stakeholders and most of them know the location of Eco2.
Telephone access	A specific number/Eco2 staff is	All stakeholders, when asked about the continual input/grievance

	made available for this aspect and this number is made available to all stakeholders.	mechanism, said that phone was the best method for this process. Many stakeholders live very far from Kakamega and a phone call is much easier.
Internet/email access	We also have an general email address: info@eco2librium.com in which comments can be emailed.	Although most stakeholders have limited access to internet and computers this is also made available.
Nominated Independent Mediator (optional)	NA	

All issues identified during the crediting period through any of the Methods shall have a mitigation measure in place. The identified issue should be discussed in the revised Passport and the corresponding mitigation measure should be added to sustainability monitoring plan










SECTION F. DESCRIPTION OF THE DESIGN OF THE STAKEHOLDER FEEDBACK ROUND

Eco2librium will provide hard and digital copies of the stakeholder consultation report, revised PDD, revised Passport, and any other documentation to stakeholders. Since Eco2 office is centrally located and most stakeholders are present in Kakamega (location of Eco2) at weekly/monthly intervals, these copies will be made available here. For those stakeholders who cannot easily visit Eco2 office, Eco2 will provide them on line at our webpage. Stakeholders will be asked to read the revised documents and provide feedback to Eco2 in writing or by email within 2 months upon receipt of the revised documents or their availability. Eco2 will review the comments/feedback and make any necessary changes.

ANNEX 1. ORIGINAL PARTICIPANTS LIST











STOVES FOR LIFE : Stakeholders meeting, 11th April 2017, Kakamega: PARTICIPANTS LIST(Signed)

Participants List

Date and Time		Location			
11/4/2017. 9pm		EIOGUBBIUOY OFFICE KAKAMEGA.			
No.	Name	Male / Female	Organization/Institution/Group	Contacts: Cellphone/Email	Signature
10	RETHI ALIKUMI		SHANJALU	0710427744	
11	MILBERFORCE OKEKA	MALE	TREES Organization	0720672803	
12	Barabas' wabiji	M	Machua pffeng	0718649501	
13	Margaret C. Kegoda	F	Buryikvu	0712668830	
14	SARE ANILIA	F	ILENTU	0719602015	
15	ZAINA BU	F	LEHNGO-NOMIAS	0715536555	
16	KENNETH LIMONI	M	KEVETE WOMEN GROUP	0734793487	
17	ALICE NILAVU	F	MKGQ GROUP	0712149649	
18	ESTHER KAVODI	F	KIABUWA	0716524631	






STOVES FOR LIFE : Stakeholders meeting, 11th April 2017, Kakamega: PARTICIPANTS LIST(Signed)

Participants List

No.	Name	Male / Female	Organization/Institution/Group	Contacts: Cellphone/Email	Signature
Date and Time 11/4/2017 - 9AM					
Location ECOLIBRIUM OFFICE KAKAMEGA					
1	GERAUSE MUNDU	F	WDRSHY	0728551380	
2	MELISA NAWATE	F	WDRSHY	0713302906	
3	JANE AKIANGOC	F	WDRSHY	0717318726	
4	MARY NYIRAGA	F	BEACON	0717445602	
5	JENNIFER MURATA	F	USER	0721282575	
6	RUTH ALUKUM	F	USER	0710427744	
7	LILIAN A. DWELD	F	KEID POTTERI W.G	0714733685	
8	RASHID INSETS	M	WDEC	0724271934	
9	MARY MDDANI	F	VALONGI	0706796654	
10	DALEB LUCHEVELA	M	WATOKA MURALI	0719619080	

STOVES FOR LIFE : Stakeholders meeting, 11th April 2017, Kakamega: PARTICIPANTS LIST (Signed)

Participants List

Date and Time		Location			
No.	Name	Male / Female	Organization/Institution/Group	Contacts: Cellphone/Email	Signature
19	JASON S. NARANDE	M	BUNYLI	0729974582	
	WILBERSON OTEK	M	TRACS	0720672803	
	RANOKI MBOGI	M	NACHURU BOUNDARY	0718649501	
20	ALNET BUBUSI	F	LEHO - USEN	0713 435101	
21	BENELIE E GADWA	F	NDAWA	0703962474	

ANNEX 2. ORIGINAL EVALUATION FORMS




ECOLIBRIUM-KENYA

Sustainable Solutions

Fomu ya maoni ya washikadau

AGNES KHAVESA BUBUSI

GS 769 Meko Ya Kuboresha Maisha (Stoves for Life): Mradi Wa Meko Ya Kutumia Kuni Chache Kakamega, Kenya

Fomu ya Maoni	
Jina lako na kikundi	Agnes BUBUSI
Kwa ujumla, ni nini unachofikiria juu ya mradi huu wa "Stoves for Life"?	The project should continue
Unapendezwa na nini kutokana na "Stoves for Life"?	The stove are smokes The use. does not receive direct heat from the fire
Kitu kigani hakikupendezi na huu mradi wa "Stoves for Life"?	hakuna
Umeridhishwa na jinsi mkutano wa maoni wa washikadau (mwezi wa Aprili 2017) uliojumuishwa kwa mpango wa mradi?	yes she receive feeling
Kuna mambo ambayo ungependa yazingatiwe katika mradi huu?	The project should improve a chimney
Sahihi	




ECOLIBRIUM-KENYA

Sustainable Solutions

Fomu ya maoni ya washikadau

GS 769 Meko Ya Kuboresha Maisha (Stoves for Life): Mradi Wa Meko Ya Kutumia Kuni Chache Kakamega, Kenya

Fomu ya Maoni	
Jina lako na kikundi	Alice Viraau (Mago)
Kwa ujumla, ni nini unachofikiria juu ya mradi huu wa "Stoves for Life"?	To continue with the installation and get paid
Unapendezwa na nini kutokana na "Stoves for Life"?	<ul style="list-style-type: none"> - Stoves Am able to take my kids to school due to the money fit for installation. - I have started a business due to stove for life
Kitu kigani hakikupendezi na huu mradi wa "Stoves for Life"?	Everything is fine
Umeridhishwa na jinsi mkutano wa maoni wa washikadau (mwezi wa Aprili 2017) uliojumuishwa kwa mpango wa mradi?	Yes
Kuna mambo ambayo ungependa yazingatiwe katika mradi huu?	- To prolong the project
Sahihi	




ECOLIBRIUM-KENYA

Sustainable Solutions

Fomu ya maoni ya washikadau

GS 769 Meko Ya Kuboresha Maisha (Stoves for Life): Mradi Wa Meko Ya Kutumia Kuni Chache Kakamega, Kenya

Fomu ya Maoni	
Jina lako na kikundi	GARUDA HOUSE WORKING GROUP
Kwa ujumla, ni nini unachofikiria juu ya mradi huu wa "Stoves for Life"?	Ninaghiria mradi huu ungeendelea hadi kupita 2024 juu imeenea wengi kimaisha
Unapendezwa na nini kutokana na "Stoves for Life"?	Mhapendezwa na meko ambayo haina mabhi mingi, marathi ya kita mara imapunguka.
Kitu kigani hakikupendezi na huu mradi wa "Stoves for Life"?	Kidlingana na mda wenye mimeruwa kwa mradi huu bilaona kuu kibaya. Yote ni sawa.
Umeridhishwa na jinsi mkutano wa maoni wa washikadau (mwezi wa Aprili 2017) uliojumuishwa kwa mpango wa mradi?	Nalio
Kuna mambo ambayo ungependa yazingatiwe katika mradi huu?	Ningependa mradi huu uzingatiwe upanate wa malipo kwa sababu kuna delay yenye mawasha kugonya installers walooze hope.
Sahihi	




ECOLIBRIUM-KENYA

Sustainable Solutions

CALEB LUCHEVELELI

Fomu ya maoni ya washikadau

GS 769 Meko Ya Kuboresha Maisha (Stoves for Life): Mradi Wa Meko Ya Kutumia Kuni Chache Kakamega, Kenya

Fomu ya Maoni	
Jina lako na kikundi	WATOKA MBALI GROUP
Kwa ujumla, ni nini unachofikiria juu ya mradi huu wa "Stoves for Life"?	Wajenzi waongese mashara Napendezwa na usafi wa meko.
Unapendezwa na nini kutokana na "Stoves for Life"?	Napendezwa na usafi wa meko.
Kitu kigani hakikupendezi na huu mradi wa "Stoves for Life"?	Kujelewa kulibwa kwa wajenzi
Umeridhishwa na jinsi mkutano wa maoni wa washikadau (mwezi wa Aprili 2017) uliojumuishwa kwa mpango wa mradi?	Nilipendezwa na mkutano Nilijifunza jiko hi huleta hewa safi.
Kuna mambo ambayo ungependa yazingatiwe katika mradi huu?	Wale watacha wa kwanza watembelewa na wapewa zawadi. * Kulingana na mtapa wakwanza yafa majiko yakaribiwa yajenge tance pila malipo.
Sahihi	




ECOLIBRIUM-KENYA

Sustainable Solutions

Fomu ya maoni ya washikadau

GS 769 Meko Ya Kuboresha Maisha (Stoves for Life): Mradi Wa Meko Ya Kutumia Kuni Chache Kakamega, Kenya

Fomu ya Maoni	
Jina lako na kikundi	MALAVE GROUP BEATRICE EGADWA
Kwa ujumla, ni nini unachofikiria juu ya mradi huu wa "Stoves for Life"?	Ninafikiria mradi kwendelea zaidi lituweze kutufafaka nayo.
Unapendezwa na nini kutokana na "Stoves for Life"?	Kiapendezwa jinsi inakumia kuni kidogo na pia kwa mapishi bora ya haraka pia hewa safi.
Kitu kigani hakikupendezi na huu mradi wa "Stoves for Life"?	Kila kibu ni sawa.
Umeridhishwa na jinsi mkutano wa maoni wa washikadau (mwezi wa Aprili 2017) uliojumuishwa kwa mpango wa mradi?	Ndio
Kuna mambo ambayo ungependa yazingatiwe katika mradi huu?	Kutembelea wenywa wanafiki- a mawe tabu wawalimi Sha na kuwapa mawari dua juu ya upesi jiko pia na maendeleo ambayo kutoka nayo katika mradi huu.
Sahihi	




ECOLIBRIUM-KENYA

Sustainable Solutions

Fomu ya maoni ya washikadau

GS 769 Meko Ya Kuboresha Maisha (Stoves for Life): Mradi Wa Meko Ya Kutumia Kuni Chache Kakamega, Kenya

Fomu ya Maoni	
Jina lako na kikundi	ESTHER KAOCHI LWADUYWA.
Kwa ujumla, ni nini unachofikiria juu ya mradi huu wa "Stoves for Life"?	Watu wataamini Mradi uendele.
Unapendezwa na nini kutokana na "Stoves for Life"?	Utumiaji wa kuni one kwa chache meno
Kitu kigani hakikupendezi na huu mradi wa "Stoves for Life"?	Hakuna?
Umeridhishwa na jinsi mkutano wa maoni wa washikadau (mwezi wa Aprili 2017) uliojumuishwa kwa mpango wa mradi?	Ndiyo, niriidhishwa nao
Kuna mambo ambayo ungependa yazingatiwe katika mradi huu?	Manip ya koraka, ningependezwa nayo
Sahihi	




ECOLIBRIUM-KENYA

Sustainable Solutions

Fomu ya maoni ya washikadau

GS 769 Meko Ya Kuboresha Maisha (Stoves for Life): Mradi Wa Meko Ya Kutumia Kuni Chache Kakamega, Kenya

Fomu ya Maoni	
Jina lako na kikundi	Barnabas ulboyi
Kwa ujumla, ni nini unachofikiria juu ya mradi huu wa "Stoves for Life"?	To keep on coming
Unapendezwa na nini kutokana na "Stoves for Life"?	<ul style="list-style-type: none"> - It has created employment - It has improved her life.
Kitu kigani hakikupendezi na huu mradi wa "Stoves for Life"?	N/A
Umeridhishwa na jinsi mkutano wa maoni wa washikadau (mwezi wa Aprili 2017) uliojumuishwa kwa mpango wa mradi?	yes
Kuna mambo ambayo ungependa yazingatiwe katika mradi huu?	<ul style="list-style-type: none"> - To increase on the payment of liners
Sahihi	




ECOLIBRIUM-KENYA

Sustainable Solutions

Fomu ya maoni ya washikadau

GS 769 Meko Ya Kuboresha Maisha (Stoves for Life): Mradi Wa Meko Ya Kutumia Kuni Chache Kakamega, Kenya

Fomu ya Maoni	
Jina lako na kikundi	Jane Anyika Jennifer Mwachira (Mago).
Kwa ujumla, ni nini unachofikiria juu ya mradi huu wa "Stoves for Life"?	To pagal waso k wano.
Unapendezwa na nini kutokana na "Stoves for Life"?	<ul style="list-style-type: none"> - By using less wood - There is less smoke - Even the husband can cook - Cooks fast. They have exposed for even to kinkuaga.
Kitu kigani hakikupendezi na huu mradi wa "Stoves for Life"?	Everything is okay.
Umeridhishwa na jinsi mkutano wa maoni wa washikadau (mwezi wa Aprili 2017) uliojumuishwa kwa mpango wa mradi?	Yes.
Kuna mambo ambayo ungependa yazingatiwe katika mradi huu?	The company should allow installation even in the church.
Sahihi	 Anita



ECOLIBRIUM-KENYA

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Fomu ya maoni ya washikadau

GS 769 Meko Ya Kuboresha Maisha (Stoves for Life): Mradi Wa Meko Ya Kutumia Kuni Chache Kakamega, Kenya

Fomu ya Maoni	
Jina lako na kikundi	Keenetha Kurotzi
Kwa ujumla, ni nini unachofikiria juu ya mradi huu wa "Stoves for Life"?	To keep on growing
Unapendezwa na nini kutokana na "Stoves for Life"?	It has saved time - less smoke - less wood is used
Kitu kigani hakikupendezi na huu mradi wa "Stoves for Life"?	NA
Umeridhishwa na jinsi mkutano wa maoni wa washikadau (mwezi wa Aprili 2017) ulojumuishwa kwa mpango wa mradi?	Yes
Kuna mambo ambayo ungependa yazingatiwe katika mradi huu?	To give trees to groups - eg fruit trees - To motivate producer through seminars - financial assistance
Sahihi	- Kurotzi



ECOLIBRIUM-KENYA

Sustainable Solutions

Fomu ya maoni ya washikadau

GS 769 Meko Ya Kuboresha Maisha (Stoves for Life): Mradi Wa Meko Ya Kutumia Kuni Chache Kakamega, Kenya

Fomu ya Maoni	
Jina lako na kikundi	Jenipher Mbata (beacon).
Kwa ujumla, ni nini unachofikiria juu ya mradi huu wa "Stoves for Life"?	To come up with other things that can work like upasi liners.
Unapendezwa na nini kutokana na "Stoves for Life"?	<ul style="list-style-type: none"> - It saves on wood - It cooks fast. - It produces less smoke.
Kitu kigani hakikupendezi na huu mradi wa "Stoves for Life"?	- All was well
Umeridhishwa na jinsi mkutano wa maoni wa washikadau (mwezi wa Aprili 2017) uliojumuishwa kwa mpango wa mradi?	Hdio
Kuna mambo ambayo ungependa yazingatiwe katika mradi huu?	would like the stoves for life to be there for along time.
Sahihi	-aiao



ECOLIBRIUM-KENYA

Sustainable Solutions

Fomu ya maoni ya washikadau

GS 769 Meko Ya Kuboresha Maisha (Stoves for Life): Mradi Wa Meko Ya Kutumia Kuni Chache Kakamega, Kenya

Fomu ya Maoni	
Jina lako na kikundi	JANE ARIANGO CALEB WORTHY GROUP
Kwa ujumla, ni nini unachofikiria juu ya mradi huu wa "Stoves for Life"?	Nina fikiria mradi huu le. Kwasababu unararahisha Maisha.
Unapendezwa na nini kutokana na "Stoves for Life"?	Haina Mochi nyingi kuni. Unatumia ngazi kitogo
Kitu kigani hakikupendezi na huu mradi wa "Stoves for Life"?	Hatuoni shida yoyote lakani mta uliyo wewe uongezwe
Umeridhishwa na jinsi mkutano wa maoni wa washikadau (mwezi wa Aprili 2017) uliojumuishwa kwa mpango wa mradi?	Radio
Kuna mambo ambayo ungependa yazingatiwe katika mradi huu?	Radio. Yazingatiwe mlipo installer busiumie (2) Mumonyongo wa undongo kwa producer wawe wanalizu
Sahihi	Jane




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Sustainable Solutions

Fomu ya maoni ya washikadau

GS 769 Meko Ya Kuboresha Maisha (Stoves for Life): Mradi Wa Meko Ya Kutumia Kuni Chache Kakamega, Kenya

Fomu ya Maoni	
Jina lako na kikundi	(Bungala) Jasoni S. Namanda
Kwa ujumla, ni nini unachofikiria juu ya mradi huu wa "Stoves for Life"?	Iyendeleee
Unapendezwa na nini kutokana na "Stoves for Life"?	Matumizi ya kuni ni kidogo - mapato kwa vikundi vyetu.
Kitu kigani hakikupendezi na huu mradi wa "Stoves for Life"?	Hakuna, ijapokuwa kukitwa shilingi 15k
Umeridhishwa na jinsi mkutano wa maoni wa washikadau (mwezi wa Aprili 2017) uliojumuishwa kwa mpango wa mradi?	ndio
Kuna mambo ambayo ungependa yazingatiwe katika mradi huu?	- meko ile tuc kus wingi - malipo ilipwe mpompa - uniform itolewe kwa installeri.
Sahihi	



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Fomu ya maoni ya washikadau

GS 769 Meko Ya Kuboresha Maisha (Stoves for Life): Mradi Wa Meko Ya Kutumia Kuni Chache Kakamega, Kenya

Fomu ya Maoni	
Jina lako na kikundi	Lilian Okelo KEJO PRODUCER
Kwa ujumla, ni nini unachofikiria juu ya mradi huu wa "Stoves for Life"?	Huanzelee
Unapendezwa na nini kutokana na "Stoves for Life"?	Kuleka ajira Kufadhi wazungu
Kitu kigani hakikupendezi na huu mradi wa "Stoves for Life"?	Hakuna
Umeridhishwa na jinsi mkutano wa maoni wa washikadau (mwezi wa Aprili 2017) uliojumuishwa kwa mpango wa mradi?	Hadi
Kuna mambo ambayo ungependa yazingatiwe katika mradi huu?	Bei ya woko hazingatiwe
Sahihi	Lilian



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Sustainable Solutions

Fomu ya maoni ya washikadau

GS 769 Meko Ya Kuboresha Maisha (Stoves for Life): Mradi Wa Meko Ya Kutumia Kuni Chache Kakamega, Kenya


Fomu ya Maoni	
Jina lako na kikundi	Zainabu Mukonzo - Uingo Women group
Kwa ujumla, ni nini unachofikiria juu ya mradi huu wa "Stoves for Life"?	Ni mradi wenye mamajar na mafunzo mengi kuhusu kutunza mazingira. Mashimo linaipika ya wazi kutumia kufunda mandizi
Unapendezwa na nini kutokana na "Stoves for Life"?	Malepo kwazo patikana kwa kuhusu meko ya upesi kwa wazazi sisi kwaji wote mandhari. Kupata chakula. maboko kwa wazazi wetu.
Kitu kigani hakikupendezi na huu mradi wa "Stoves for Life"?	hakuna chochote ambacho hakikupendezi.
Umeridhishwa na jinsi mkutano wa maoni wa washikadau (mwezi wa Aprili 2017) uliojumuishwa kwa mpango wa mradi?	ndiyo. ili kuwa ya kupendeza zaidi.
Kuna mambo ambayo ungependa yazingatiwe katika mradi huu?	- kuhusu meko kuelekea na mawo kupwa kwa wakati unaojaa. - loan ya kufanya kazi ipatikane.
Sahihi	ZAINABU ZD



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Sustainable Solutions

Fomu ya maoni ya washikadau

GS 769 Meko Ya Kuboresha Maisha (Stoves for Life): Mradi Wa Meko Ya Kutumia Kuni Chache Kakamega, Kenya

Fomu ya Maoni	
Jina lako na kikundi	UPESI DEMONSTRATION EBWATHIRO CENTRE (Rashid Mungendo)
Kwa ujumla, ni nini unachofikiria juu ya mradi huu wa "Stoves for Life"?	Nataadi ni nzuri na ni kipelele uendelea.
Unapendezwa na nini kutokana na "Stoves for Life"?	Una utafahi mazingira.
Kitu kigani hakikupendezi na huu mradi wa "Stoves for Life"?	Hakuna.
Umeridhishwa na jinsi mkutano wa maoni wa washikadau (mwezi wa Aprili 2017) uliojumuishwa kwa mpango wa mradi?	Nimemidhika
Kuna mambo ambayo ungependa yazingatiwe katika mradi huu?	Price of Lumber should be looked into.
Sahihi	



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Sustainable Solutions

Fomu ya maoni ya washikadau

GS 769 Meko Ya Kuboresha Maisha (Stoves for Life): Mradi Wa Meko Ya Kutumia Kuni Chache Kakamega, Kenya

Fomu ya Maoni	
Jina lako na kikundi	Melisa Nkwate Worthy Group
Kwa ujumla, ni nini unachofikiria juu ya mradi huu wa "Stoves for Life"?	Nafika kama tunaweka kiolewa hurati ingine kamatunaoongese kwa mero Iwe kitu ingine tena
Unapendezwa na nini kutokana na "Stoves for Life"?	napendezwa kwa sababu alikuwa na mero hii sasa ata nze nasha yamekwa Safi Sasa
Kitu kigani hakikupendezi na huu mradi wa "Stoves for Life"?	hii mradi imefanya maha nderezo mengi sasa
Umeridhishwa na jinsi mkutano wa maoni wa washikadau (mwezi wa Aprili 2017) uliojumuishwa kwa mpango wa mradi?	hubantaro iliku Safi sasa kwa sababu kila mtu ligu wa makasa yake masuri yame alikuwa anafanya
Kuna mambo ambayo ungependa yazingatiwe katika mradi huu?	tunafaka malipo yameko stipwe pesi kwa sababu siku hizi sasa nja tana tufanyie kazi kwa haraka
Sahihi	Mel




ECOLIBRIUM-KENYA

Sustainable Solutions

Fomu ya maoni ya washikadau

GS 769 Meko Ya Kuboresha Maisha (Stoves for Life): Mradi Wa Meko Ya Kutumia Kuni Chache Kakamega, Kenya

Fomu ya Maoni	
Jina lako na kikundi	RUTH ALUKUMU
Kwa ujumla, ni nini unachofikiria juu ya mradi huu wa "Stoves for Life"?	Mradi huu ni wa maana sana ningependa uendele juu hauna garama nyingi. Masingira yetu ni bora
Unapendezwa na nini kutokana na "Stoves for Life"?	garama ya kuni si ghali
Kitu kigani hakikupendezi na huu mradi wa "Stoves for Life"?	Jiko likiharibika mharakisha kuregebisha
Umeridhishwa na jinsi mkutano wa maoni wa washikadau (mwezi wa Aprili 2017) uliojumuishwa kwa mpango wa mradi?	ndio maana nilipata mafunzo kutoka kwa watu mbali mbali
Kuna mambo ambayo ungependa yazingatiwe katika mradi huu?	Mwendelee kufunza watu wengi umbimu wa 'stove for life' hata wanafunzi, kuwafikie shuleni kuwafunza
Sahihi	



ECOLIBRIUM-KENYA

Sustainable Solutions

Fomu ya maoni ya washikadau

GS 769 Meko Ya Kuboresha Maisha (Stoves for Life): Mradi Wa Meko Ya Kutumia Kuni Chache Kakamega, Kenya

Fomu ya Maoni	
Jina lako na kikundi	Mary Hyaruga (Barlow)
Kwa ujumla, ni nini unachofikiria juu ya mradi huu wa "Stoves for Life"?	Kumerisha kitengeuzi/kupenga uko vizuri.
Unapendezwa na nini kutokana na "Stoves for Life"?	- Inapunguza gharama ya kuni - Inapika kaka. - Hata na wochi kutoyo.
Kitu kigani hakikupendezi na huu mradi wa "Stoves for Life"?	Hakuna
Umeridhishwa na jinsi mkutano wa maoni wa washikadau (mwezi wa Aprili 2017) uliojumuishwa kwa mpango wa mradi?	Ndio.
Kuna mambo ambayo ungependa yazingatiwe katika mradi huu?	- Quality production of liners to avoid breakage.
Sahihi	Hyaruga




ECOLIBRIUM-KENYA

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Feedback form for stakeholder feedback round

GS 769 Stoves for Life: Energy Efficient Cook Stove Project in Kakamega, Kenya

Feedback Form	
Name and organization	WILBERFORCE OKEKA TROPICAL RAINFOREST ECOLOGICAL EMPOWERMENT PROJECT (TREE)
What is your overall impression of Stoves for Life?	Excellence
What do you like about Stoves for Life?	It consume less firewood.
What do you not like about Stoves for Life?	Its only centered in one area e.g former Kakamega District.
Are you content with how feedback from the local stakeholder consultation meeting (April 2017) was considered in the project design?	Yes I am contented because I learnt a lot from Ecolibrium and shared much from all stakeholders.
Are there any issues that you think need to be addressed in this project?	Need more conservation awareness to current producers, and installers and all stakeholder within Western Region. Train more producer and installer group facilitate installation of liners. Need Environmental Education Partnership.
Signature	

MARY MODANI ATUTA



ECOLIBRIUM-KENYA
Sustainable Solutions

Fomu ya maoni ya washikadau

GS 769 Meko Ya Kuboresha Maisha (Stoves for Life): Mradi Wa Meko Ya Kutumia Kuni Chache Kakamega, Kenya

Fomu ya Maoni	
Jina lako na kikundi	MUKHANTE VAIONZI WOMEN GROUP
Kwa ujumla, ni nini unachofikiria juu ya mradi huu wa "Stoves for Life"?	<ol style="list-style-type: none"> 1) MIPAKA IWEZO KUPANUKIWA. 2) VIKUNDI VYA KUUNDA MAJIKO VIPUWE MASOMIA ILI VIENENEZE MEKO YALIND NA UPORA 3) ECO2 IWE NA MIKANO YA VIKUNDI MAKO KWA MARA.
Unapendezwa na nini kutokana na "Stoves for Life"?	<ol style="list-style-type: none"> 1) Imepunguza matumizi ya kuni 2) Imechangia nafazi za kazi 3) Imetufanya sisi wauzaji kuwa na soko pia kujiinua ki ujumi
Kitu kigani hakikupendezi na huu mradi wa "Stoves for Life"?	<ol style="list-style-type: none"> 1) Wakati mwingine pesa huchelwa 2) Sisi kama waundaji wa meko bei iki chini. Ukilinganisha na vile matumizi ta kuunda jiko
Umeridhishwa na jinsi mkutano wa maoni wa washikadau (mwezi wa Aprili 2017) uliojumuishwa kwa mpango wa mradi?	<p>NDIYO? BALI TUNAHIJAJI MAFUNDISHO KWA TUMEONGEZA WANACHAMA WA PTA AMBAGAWANA ELIMU DHARITI</p>
Kuna mambo ambayo ungependa yazingatiwe katika mradi huu?	<p>NDIYO?</p> <ol style="list-style-type: none"> 1) Tueleemisha mambo tja kawi katika shule na jami. 2) Tuwe na kitu kama Mikopo ambao taweza wanachama kujiendesha hata baada ya Mradi
Sahihi	