

## Gold Standard for the Global Goals

### Verification Appraisal Report



**March 2018 - version 1.1**

## KEY PROJECT INFORMATION

<b>Title of the project</b>	Improved cook stoves in pastoral and agro-pastoral communities in Southern Ethiopia
<b>Gold Standard project id</b>	GS3422
<b>Host Country</b>	Ethiopia
<b>Date of Design Certification</b>	05/12/2015 (Project registration date)
<b>Start date of crediting period</b>	12/10/2014
<b>Duration of this monitoring period</b> (dd/mm/yyyy) to (dd/mm/yyyy)	01/04/2018 to 31/03/2019
<b>SDG Impacts targeted (as per approved PDD)</b>	<ul style="list-style-type: none"> <li>1 – SDG 13: Climate action</li> <li>2 – SDG 1: No Poverty</li> <li>3 – SDG 3: Good Health and Well-being</li> <li>4 – SDG 7: Affordable and Clean Energy</li> </ul>

## SECTION A. PROJECT STATUS DESCRIPTION

1. Project is applying under the stand alone micro-scale scheme
2. Project is applying under the micro-programme scheme

  


Title of the Project or VPA: N/A

Title of the PoA: N/A

The project started in October 2014 when the first project stoves were distributed to the local families. All the 4,955 stoves included currently under the project were distributed during the period 11/10/2014-10/10/2015.

The project has been monitored annually in line with the Gold Standard requirements, and currently the project is undergoing the 4<sup>th</sup> verification review. The 4<sup>th</sup> verification covers the monitoring period 01/04/2018 to 31/03/2019 (12 months). The activities in the field for this monitoring period were implemented during March and April 2019. Below table presents a summary of the project phases to date.

Timing	Date	Task/Event
October 2014	11/10/2014	Project start date (Stove distribution start date)
October 2014	12/10/2014	Project crediting period start date
November 2014	03/11/2014	Project listed with GS
October 2015	10/10/2015	Stove distribution completed
December 2015	05/12/2015	Project registered with GS
February – March 2016	17/02 – 19/03/2016	1 <sup>st</sup> Usage survey
March 2017	24/03/2017	1 <sup>st</sup> issuance with GS (covering 12/10/2014 to 31/03/2016)
May – June 2017	15/05 – 14/06/2017	2 <sup>nd</sup> Usage survey
March 2018	23/03/2018	2 <sup>nd</sup> issuance with GS (covering 01/04/2016 to 31/03/2017)
April – May 2018	03/04 – 16/05/2018	3 <sup>rd</sup> Usage survey
November 2018	07/11/2018	Transition to GS4GG accepted by GS
March – April 2019	04/03 – 20/04/2019	4 <sup>th</sup> Usage Survey
June 2019	expected	3 <sup>rd</sup> issuance with GS (covering 01/04/2017 to 31/03/2018)
June 2018	06/06/2019	Submission to GS for the 4 <sup>th</sup> verification (covering 01/04/2018 to 31/03/2019)

## SECTION B. OBJECTIVE OBSERVER'S OPINION

>>Provide an opinion as to whether the project activity is in line with The Gold Standard principles and whether SDG outcomes should be certified.

N/A

## SECTION C. DETAILS OF SITE VISIT

### C.1 Team on site

>>List Objective Observer(s) that went on site. Provide brief information about his/her (their) background and relevant skills.

N/A

### C.2 Period of site-visit

>>Time period during which Objective Observer(s) was (were) on-site.

N/A

### C.3 People interviewed

>>Provide the list of the individuals interviewed during the site visit and include relevant information on the group or organisation they represent.

N/A

### C.4 Means for interviews

>>Describe the means used to interview individuals during site visit; e.g. one to one interactions, telephonic conversations, etc.

N/A

## SECTION D. EVALUATION OF THE STATUS OF MITIGATION AND COMPENSATION MEASURES

Mitigation or compensation measure	Comments (provide information on status of implementation)
Supply of protective equipment for Workers making the project stoves (like shade structures, ear covers, respiratory masks, goggles, gloves, etc.)	<p>The project activity has included the distribution of the protective equipment to the workers making the project stoves in line with the OO's suggestions described in the SD Validation Report.</p> <p>The supply of the equipment is demonstrated by the assertions signed by the production co-operations located in Filtu and Negelle (assertions has been uploaded to GS Registry during the 1<sup>st</sup> verification)<sup>1</sup>.</p> <p>As the stove production has not been on-going during this Monitoring Period, no new protective equipment has been provided.</p>

## SECTION E. STATUS OF SUSTAINABLE DEVELOPMENT GOALS OUTCOMES

>> With reference to the Sustainability Monitoring Report, evaluate the outcomes against the SDGs addressed by the project, including SDG 13.

### Project Developer Sustainability Monitoring Report

The following tables present the parameters monitored and outcomes achieved during the current monitoring period. For clarity the parameters are listed as presented in the corresponding Monitoring Report (i.e. in line with the Transition Annex of the Project to GS4GGs approved by GS in November 2018 and not in line with the original Sustainability Monitoring Report prepared in line with the previous GS version at the time of project registration).

Relevant SDG Indicator	SDG 13, SDG 7
Data / Parameter	U <sub>p,y</sub>

<sup>1</sup> Fakenya FSS Safety equipment handover 2015 and Filtu FSS Safety equipment handover 2015 (uploaded to GS Registry during the 1<sup>st</sup> verification)

<b>Unit</b>	Percentage
<b>Description</b>	Usage rate in project scenario p during year y
<b>Source of data</b>	Annual usage survey/monitoring survey
<b>Value(s) applied</b>	0.99
<b>Measurement methods, procedures, and how will it be documented</b>	A usage parameter is derived for each age group of project cookstove being credited
<b>Monitoring frequency</b>	Annual
<b>QA/QC procedures</b>	Transparent data analysis and reporting
<b>Purpose of data</b>	Monitoring of SDG 13 (i.e. Calculation of project emissions or actual net GHG removals by sinks) and monitoring of SDG 7
<b>Additional comment</b>	A usage parameter is derived for each age group of project cookstove being credited

<b>Relevant SDG Indicator</b>	<b>SDG 13, SDG 7</b>
<b>Data / Parameter</b>	$N_{p,y}$
<b>Unit</b>	Number of project cookstove credited (units)
<b>Description</b>	Cookstove in the project database for project scenario p through year y
<b>Source of data</b>	Sales record
<b>Value(s) applied</b>	4,707
<b>Measurement methods, procedures, and how will it be documented</b>	N/A
<b>Monitoring frequency</b>	Continuous monitoring. The number of project cookstove is recorded in the total sales record.
<b>QA/QC procedures</b>	Transparent data analysis and reporting
<b>Purpose of data</b>	Monitoring of SDG 13 (i.e. Calculation of project emissions or actual net GHG removals by sinks) and monitoring of SDG 7
<b>Additional comment</b>	95% of the project cookstoves listed in the "Sales Record database" are considered eligible based on the Monitoring Survey findings describe in section D.3 below, thus $N_{p,y} = 4,955 * 0.95 = 4,707$

<b>Relevant SDG Indicator</b>	<b>SDG 13</b>
<b>Data / Parameter</b>	DF <sub>n</sub>
<b>Unit</b>	Fraction
<b>Description</b>	Discount factor to account for efficiency loss of project cookstoves
<b>Source of data</b>	Annual monitoring / applied methodology
<b>Value(s) applied</b>	0.99
<b>Measurement methods, procedures, and how will it be documented</b>	Monitoring survey
<b>Monitoring frequency</b>	Annual
<b>QA/QC procedures</b>	Transparent data analysis and reporting
<b>Purpose of data</b>	Monitoring of SDG 13 (i.e. calculation of project emissions or actual net GHG removals by sinks)
<b>Additional comment</b>	<p>This default value can be used if stoves are found in good condition during annual surveys. For each year, the stoves of the age-group x-y should be physically verified. In the case of progressive installations, stove of age-group 0-1 shall also be physically verified each year through a random sampling approach. The survey format B (Annex A of the applied methodology) will be followed to capture the required information. Minimum number of sample size shall be selected following the guidelines provided in section 4.2, option (b) of the applied methodology.</p> <p>During annual survey if it is found that the project cookstoves are not in working conditions, the proportionate population of project cookstoves should be excluded from the project database, until these cookstoves are replaced with new cookstoves.</p>

<b>Relevant SDG Indicator</b>	<b>SDG 13</b>
<b>Data / Parameter</b>	DF <sub>P, stove, y</sub>
<b>Unit</b>	Fraction
<b>Description</b>	Discount factor to account for the baseline stove use in project scenario p during the year y
<b>Source of data</b>	Annual monitoring
<b>Value(s) applied</b>	0.068

<b>Measurement methods, procedures, and how will it be documented</b>	Annual monitoring
<b>Monitoring frequency</b>	Annual
<b>QA/QC procedures</b>	Transparent data analysis and reporting
<b>Purpose of data</b>	Monitoring of SDG 13 (i.e. calculation of project emissions or actual net GHG removals by sinks)
<b>Additional comment</b>	The discount factor for baseline-stove use may be determined based on number of meals cooked using the baseline stoves. The required information shall be captured through sample-surveys carried out following a random sampling approach for each age-group of the project stove. The minimum number of samples sizes shall be selected following the guidelines provided in section 4.2, option (b) of the applied methodology. The survey format B (Annex A of the applied methodology) will be followed to capture the required information. The impact of seasonal variations on use of baseline stove should be considered as part of the monitoring survey.

<b>Relevant SDG Indicator</b>	SDG 1
<b>Data / Parameter</b>	Money spent for purchasing wood and time spent for collecting wood
<b>Unit</b>	-
<b>Description</b>	Money spent for purchasing wood and time spent for collecting wood in the project scenario in comparison with the baseline scenario estimated via qualitatively self-estimation by the families
<b>Source of data</b>	Monitoring Survey
<b>Value(s) applied</b>	Less money spent / less time consumed for woodfuel collection in comparison with the baseline stated by 100% of sampled households
<b>Measurement methods, procedures, and how will it be documented</b>	Monitoring Survey will study qualitatively money and time spent for firewood collection activities in the project scenario in comparison with the baseline scenario (The sample of project households are asked to evaluate if they are using less, more or the same amount of money for acquiring firewood or if they are spending less, more or same time for collecting firewood).

<b>Monitoring frequency</b>	Annual
<b>QA/QC procedures</b>	Trained survey team
<b>Purpose of data</b>	Monitoring of SDG 1
<b>Additional comment</b>	<p>Based on the baseline survey the majority of the household in the area uses three stone fires and are thus consuming lots of firewood for their daily cooking activities. This means also that lots of time is spent and efforts made for firewood collection which reduces the available time for education and income generating activities.</p> <p>In the Monitoring Survey made in 2019 all 100 respondents (100%) estimated to consume currently less wood than before. In line with this, 100% respondents stated to spend currently less money and time for fuel collection compared to the baseline situation.</p>

<b>Relevant SDG Indicator</b>	SDG 1
<b>Data / Parameter</b>	Type of activities being done with the time and money saved through the use of the project cookstoves <sup>2</sup>
<b>Unit</b>	-
<b>Description</b>	The type of the activities done with the time and money saved through the use of the project cookstoves is estimated via qualitatively self-estimation by the families
<b>Source of data</b>	Monitoring Survey
<b>Value(s) applied</b>	<p>Saved time used by 50% of respondents for income generating activities and by 50% for looking after kids.</p> <p>Saved money used by 60% of respondents for buying daily necessities like fuel, wood or clothes for kids and by 40% saved for later occasions.</p>

<sup>2</sup> This parameter has been monitored starting from the current monitoring year (01/04/2018-31/03/2019). This parameter was, in fact, not included in the original monitoring plan accepted at the time of VPA inclusion but added only at the time of transition of the VPA to GS4GGs (transition was accepted in November 2018, in other words, only after the monitoring activities made after that are including this parameter.)

<b>Measurement methods, procedures, and how will it be documented</b>	Monitoring Survey will study qualitatively the types of the activities done with the time and money saved through the use of the project cookstoves (The sample of project households are asked firstly to evaluate if they are using less, more or the same amount of money for acquiring firewood or if they are spending less, more or same time for collecting firewood. For the families stating to use less time/money in project scenario is asked a further specification regarding the types of the activities which are done with the saved time/money).
<b>Monitoring frequency</b>	Annual
<b>QA/QC procedures</b>	Trained survey team
<b>Purpose of data</b>	Monitoring of SDG 1
<b>Additional comment</b>	Based on the baseline survey the majority of the household in the area uses three stone fires and are thus consuming lots of firewood for their daily cooking activities. This means also that lots of time is spent and efforts made for firewood collection which reduces the available time for education and income generating activities.

<b>Relevant SDG Indicator</b>	SDG 3
<b>Data / Parameter</b>	Frequency of smoke related inconveniences (like smoke levels, itchy eyes and respiratory problems)
<b>Unit</b>	-
<b>Description</b>	Frequency of smoke related inconveniences with the project families estimated via qualitatively self-estimation by the families
<b>Source of data</b>	Monitoring Survey
<b>Value(s) applied</b>	Less smoke related inconveniences (like smoke levels, itchy eyes and respiratory problems) stated by 100% of sampled households
<b>Measurement methods, procedures, and how will it be documented</b>	Monitoring Survey will study qualitatively the smoke levels, itchy eyes and respiratory problems in the project scenario in comparison with the baseline scenario (The sample of project households are asked to evaluate if they experience less, more or the same amount of smoke, itchy eyes and respiratory problems as before the project).
<b>Monitoring frequency</b>	Annual
<b>QA/QC procedures</b>	N/A

<b>Purpose of data</b>	Monitoring of SDG 3
<b>Additional comment</b>	<p>In the baseline situation large levels of smoke and TSPM are emitted by inefficient firewood combustion during the cooking with three stone fires which is causing discomfort and health problems like itchy eyes. It is not justifiable to measure this quantitatively, but it will be measured qualitatively through the experienced smoke levels, itchy eyes and respiratory problems.</p> <p>In the Monitoring Survey made in 2019 all 100 respondents (100%) estimated to have had less respiratory problems and itchy eyes and moreover they have noted a reduction in smoke emission after starting the usage of the project stove. No one of the respondents stated to have currently more (or even the same amount) of respiratory problems or itchy eyes as in the baseline situation.</p>

<b>Relevant SDG Indicator</b>	SDG 7
<b>Data / Parameter</b>	Number of project households using fuel efficient cookstove
<b>Unit</b>	-
<b>Description</b>	Number of households using the project cookstove
<b>Source of data</b>	Project Database on the distributed stoves and Monitoring Survey
<b>Value(s) applied</b>	4,660
<b>Measurement methods, procedures, and how will it be documented</b>	Project Database on the number of eligible project cookstoves and Monitoring Survey regarding the Usage Rate. Calculated as number of eligible cookstoves * Usage rate = $N_{p,y} * U_{p,y} = 4,707 * 99\% = 4,660$
<b>Monitoring frequency</b>	Annual
<b>QA/QC procedures</b>	N/A
<b>Purpose of data</b>	Monitoring of SDG 7
<b>Additional comment</b>	N/A

## SECTION F. STATUS OF IMPLEMENTATION OF CONTINUOUS INPUT / GRIEVANCE MECHANISM & FEEDBACK RECEIVED

All the methods of Continuous Input/Grievance Mechanism which were named in the registered PDD have been implemented on site. These methods include the Continuous Input / Grievance Expression Process Book, Telephone and Email access as indicated in the below table.

In line with the registered PDD all the issues identified during the crediting period through any of the above described methods should be taken in consideration and consequent mitigation measures added to the monitoring plan. No comments were received during this monitoring period and therefore there has been neither need for any consequent mitigation measures to put in place.

	<b>Method Chosen (include all known details e.g. location of book, phone, number, identity of mediator)</b>	<b>Justification</b>
Continuous Input / Grievance Expression Process Book	The book will be placed at COOPI Negele Area office located in Negelle Borena, Kebele 01, Guji Zone, Oromia Region, Ethiopia.	This location was approved by stakeholders during the meetings.
Telephone access	+251 0464450076	This number was informed for the stakeholders during the meetings.
Internet/email access	kidane@coopi.org	This email-address was informed for the stakeholders during the meetings.
Nominated Independent Mediator (optional)	Not indicated.	It was decided to not nominate an independent mediator. Instead stakeholders can contact any of the worker of COOPI during their visits in different part of the project area.

## CONFLICT OF INTEREST DECLARATION

I, [insert full name], aged [insert age] years, residing at [insert full home address], and working for [insert company name], which is located at [insert company headquarters address], having been selected to serve as an Objective Observer on behalf of The Gold Standard Foundation, hereby certify and declare as follows:

Neither I nor anyone else having influence over me has an interest with any person or in any firm, corporation or other business entity that is involved in the assessed project activity "GS\_\_\_\_\_" nor have I participated, directly or indirectly, by committee or as a consultant, advisor, employee, officer, director, agent, trustee, or otherwise, in the development, implementation, or administration of GS\_\_\_\_\_. I further certify and declare that in no way do I have a bias in favor or against any person, firm, corporation or business entity involved with GS\_\_\_\_\_, and I understand that such bias would disqualify me as an Objective Observer. If at any time during the evaluation process I should become aware of any interest or bias, I will report it immediately to The Gold Standard Foundation.

For purposes of this declaration, I understand "interest" to include any consideration or other thing of economic value, including future consideration.

Name: \_\_\_\_\_

Signed this \_\_\_\_\_ day of \_\_\_\_\_ Year \_\_\_\_\_