

Non-Technical Summary

Project General Description

This is a clean cookstove project. The project reduces greenhouse gas emissions by disseminating clean and fuel-efficient charcoal stoves known as Sewa stove to replace low efficient traditional charcoal/wood stoves or 3-stone fires used by the targeted population in Mali, so that firewood and charcoal consumption could be reduced.

Initially the project stoves have been distributed across urban and peri-urban communities in Bamako, Mali. The distribution network would gradually be expanded to cover other regions of the country and furthermore to cover the areas around the Sahel Zone, using retail points and commission earning agents. There have been on average around 20,000 Sewa stoves distributed annually. The project owner (Katene Kadji) is the local project stove manufacturer and implementing organization, which has been operating the project from its offices in the capital city of Bamako.

The project is a large-scale greenhouse gas emission reduction project developed under the Gold Standard (GS). It is estimated that the project could generate around 55,000 tCO₂ emission reductions annually.

As a greenhouse gas emission reduction project, as per regulations from GS, it can claim the emission reductions for 21 years in total (7 years for each crediting period and totally 3 crediting periods). The first crediting period of the project will end in December 2023, and now the project is seeking for crediting period renewal under GS.

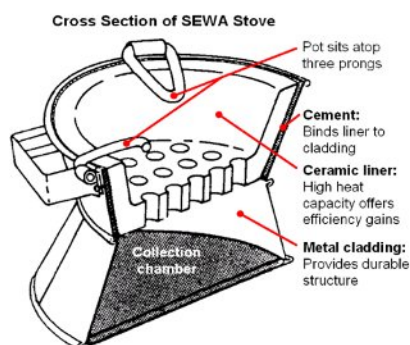
Technologies

The stoves are manufactured in five different sizes, all of which are promoted by the project.

- a. Extra Large (Super Grand Format, SGF)
- b. Large (Grand Format, GF)
- c. Medium (Moyen Format, MF)
- d. Small (Petit Format, PF)
- e. Tea (Thé Format, TF)

The Sewa stove consists of hourglass shaped metal cladding with perforated interior ceramic liner that allows ash to fall to the collection chamber at the base. A thin layer of cement is placed between the cladding and the liner. During use, a single pot rests at the top of the stove. See diagram below for further details. The design of all five sizes listed above is identical. The ceramic liner's capacity to increase combustion and retain heat is at the heart of the stove's efficiency. According to the stove specification,

the Sewa stove can give a thermal efficiency of 28% ~ 30%, and has an expected average lifetime of 5 years. It consumes between 30% and 40% less charcoal than the traditional stove.



Economic, social, and environmental impacts

Health Impacts:

- The project will result in a healthier cooking environment due to less exposure to smoke compared with cooking by using old traditional low-efficiency stoves.

Environmental Impacts:

- The project will help reduce the exploitation of non-renewable biomass and help combat deforestation and desertification.
- The project will reduce air pollution from cooking as the Sewa stove produce less smoke than traditional inefficient cook stoves.
- Reduced burning of non-renewable biomass will lead to reduced greenhouse gas emissions that contribute to climate change.

Social and Economic Impacts:

- Households using the Sewa stove would spend less on fuel purchase or collection.
- The project will alleviate the burden on women as they would cook faster than before due to the high efficiency of stoves. This will provide more opportunities for productive work.
- Increased local employment opportunities due to stove manufacture and distribution requirement.

Method to contact and provide feedback

You can use the following methods and contacts details to reach us and get more information of the project or provide feedback on the project.

	Method Chosen	Justification
Continuous	A comment box to receive the comments and	Local stakeholders can

<p>Input / Grievance Expression Process Book</p>	<p>suggestions is available in the Katene's office.</p> <p>Location of the Comment box: Sogoniko Commercial Porte: 253 Rue: 199 Bamako, Mali</p>	<p>go directly to the office and put their comments in the box or provide their inputs or grievances to Katene's staff who would then report to the project manager in charge. Comments raised by stakeholders and how comments solved by the project participants will be recorded.</p>
<p>Telephone access</p>	<p><u>Katene Kadji (Project Owner):</u> Contact Person: Mr. Ousmane Samassekou Tel: +223 76 41 77 00</p> <p><u>Swiss Carbon Value Ltd. (Project developer):</u> Contact person: Jane Duan Tel: +86 10 5907 0872</p>	<p>In all places where SEWA stoves are sold the phone number of Katene is provided.</p>
<p>Internet/email access</p>	<p><u>Katene Kadji (Project Owner):</u> Contact Person: Mr. Ousmane Samassekou Email: sewakadji@yahoo.fr</p> <p><u>Swiss Carbon Value Ltd. (Project developer):</u> Contact person: Jane Duan Email: j.duan@southpole.com</p> <p><u>Gold Standard:</u> Email: help@goldstandard.org</p>	<p>In all places where SEWA stoves are sold the email address is provided. Inputs or grievances can be sent at any time to Katene Kadji or other contacts via email.</p>