



Mozambique Carbon Initiatives, Lda

Local Stakeholders Consultation Summary

GS5562 VPA6 Efficient and Clean Cooking For Mozambican Low-Income Households

1. INTRODUCTION

Mozambique Carbon Initiatives LDA (MozCarbon) is a Mozambican company that develops its activities in environment and has as its ultimate purpose to identify, promote and commercialize carbon credits in the market. It operates in several business areas that include the Reduction of Emissions from Deforestation and Forest Degradation (REDD) and in Energy Efficiency projects through the dissemination of improved cookstoves in Mozambique. This company has been in operation since 2011 and has worked for a long time with Eduardo Mondlane University through the University Foundation.

In the development of its activities, MozCarbon has partnerships of great relevance. From national and international NGOs, public and private institutions, including Small and Medium Enterprises, academic institutions, certification institutions, among others, which are a pillar of support and collaboration to make sure that implemented projects are based on scientific, transparent, and honest criteria and processes, with the goal of benefiting Mozambican society, especially the most vulnerable families and people.

Within the scope of the *GS5562 VPA6 Efficient And Clean Cooking For Mozambican Low-Income Households* project implemented in the provinces of Gaza and Inhambane, to disseminate improved Envirofit SmartSaver Wood stoves, and as a fundamental requirement of the Gold Standard for Global Goals certification scheme, MozCarbon carried out for a public consultation meeting for the discussion and sharing of comments/ideas in relation to the project, with regard to its environmental, economic and social impacts, in such a way that the results of the discussion and recommendations can be incorporated in the final design and implementation of the project. This is a summary of the results of this stakeholder meeting.

2. MINUTES OF THE STAKEHOLDER'S CONSULTATION MEETING

Upon arrival of the participants, they were received and signed the attendance list and sent to their seats. In total, about 111 people attended the public consultation meeting, being 74 in Gaza province and 37 in Inhambane province.

A welcome note to the participants of the meeting followed. Then was made the presentation of the project regarding who is implementing the project, Importance of improved stoves, project objectives, activities and expected results as well as the Impact of the project for Sustainable Development and Safeguarding Principles). After the presentation of the project was followed by a session of questions and answers about the project and about the implementing company. In addition to questions, there were also comments and suggestions for the success of the project. The questions were answered by the Project Developer (MozCarbon) team.

Overall, the main questions and comments about the project were related to the following aspects: Stakeholders presented questions related to the emissions of pollutant gases to the environment and its climate impacts, where most of them showed interest in better understanding how the proposed technology contributes to the mitigation or reduction of emissions. They showed interest in understanding about the payment scheme, stove benefits, stove quality and how the project ensures a good maintenance scheme for the improved cookstoves. There were suggestions on a more focus to community education and awareness raising on cookstoves and the climate change in general. There was also a lot of interest in the involvement of the communities with special focus to women involvement during the project implementation.

The main sustainable development goals and their indicators to which the project intends to contribute were presented thereafter. The different ways in which these indicators can be monitored by the project were discussed. In the end, the participants agreed on the proposed objectives and indicators.

The safeguard principles that guide the implementation of the project were then presented. The participants fully agreed with them. This was followed by the presentation of the main mechanisms of interaction with the project and participants were encouraged to use the available contribution options to make comments, suggestions, or complaints about it. Participants agreed with the proposed grievance mechanisms.

Participants were then instructed to complete the meeting evaluation form indicating what they liked or did not like about the meeting and the project, including possible additional comments. Overall, participants had a positive impression of the meeting as well as the project. Eventually After, the meeting was closed, and a lunch and networking followed..

3. QUESTIONS, COMMENTS AND SUGGESTIONS DURING THE MEETING

Stakeholder comment	Was comment taken into account (Yes/No)?	Explanation/ Justification (Why? How?)
The stoves reduce the emission of greenhouse gases. How does it happen?	Yes	The stoves are designed to be efficient in combustion. By burning the fuel efficiently, less GHG are emitted to the atmosphere. Also, because the stove uses less biomass when compared with the traditional stoves, resulting in less emissions.
One of the objectives of the project is to reduce poverty. Why do the project developer does not have a factory here so that employment is generated?	Yes	We are consolidating the factory we already have. Once this process is done, and if funding is available, it is likely that the factory will be installed in Gaza or Inhambane, thus reducing costs, time and generating employment and other positive externalities.
Since the Project Developer started working with cookstoves, what are the climate impacts achieved.	Yes	Since MozCarbon started operations disseminated more than 130 thousand stoves in Mozambique, reducing charcoal and firewood consumption and remission of greenhouse gases. These stoves can reduce at least 350 thousand of CO2 and reduce the consumption of 61ton of biomass daily and consequently deforestation and forest degradation.
If a stove has issues or is damaged, is it possible to	Yes	Yes, the stove come with a 6-month warranty for factory defects and will be repaired or replaced. In

repair or replace it? How long do you take to repair since the factory is located far from the project site?

case of non-factory related issues, the Project Developer will fix the stove at a fee. The stoves are currently repaired in the factory and are transported weekly. The Project Developer is looking for ways to have repair stations close to the beneficiaries.

The stove looks small. Is it possible to cook for large families or with large cooking pots?

Yes

The stove is designed with high quality materials to be efficient, durable and to cook faster when compared to traditional stoves. It can cook normally to a family of up to nine people, and in average the family size is 4.8 in Mozambique. During events with large gatherings, it can help cook some meals not requiring oversized cooking pots. And, it is economic because uses less charcoal.

Even with the improved stoves people still cut trees for wood and charcoal. Do these stoves have an impact?

Yes

Although ICS projects are being implemented, less than 5% of people have and use these. Also, most of the population will continue to rely on charcoal and firewood for cooking. Our project is a contribution towards reduction of deforestation and the stoves have impact considering they reduce fuel consumption by at least 50%.

It is important to make partnerships with communities and local governments to disseminate the message about Climate Change and cookstoves. In community events, promoters should participate to raise awareness on the subject. Where support is needed the government will provide.

The openness to work with local communities with the support of the government is welcomed.

<p>Apart of stove distribution, the project must include the reforestation of degraded areas for environmental purposes and for charcoal and firewood production.</p>	<p>Yes</p>	<p>Reforestation is not a component of this project. But the project developer, as a carbon project developer is looking for opportunities in the market. In case of success, reforestation projects will be a separate project from this.</p>
<p>The factory does not produce emissions?</p>	<p>Yes</p>	<p>The project developer uses hydropower electricity to operate the machines molding aluminum and related works. Also, ceramic inlays are cured using LPG and electricity ovens, resulting in very few emissions. In general, the net benefit emission reductions are positive.</p>
<p>People often cook with two burner stoves to cook food. The Project Developer should introduce these stoves. Also, the stove seems to be small. Can it cook for large families or events?</p>	<p>Yes</p>	<p>The stove was designed to cook faster when compared to traditional stoves. It can cook normally to a family of up to nine people and in average the family size is 4.8 in Mozambique. During events with large gatherings, it can help cook some meals not requiring oversized cooking pots. And it is economic because uses less charcoal.</p>
<p>The project itself does not emit greenhouse gases? How do you manage?</p>	<p>Yes</p>	<p>A very small quantity of residues is generated, and it includes aluminum remains and discarded ceramic inlays. The aluminum residues are melted to produce the stove handles and the discarded ceramic inlays are grinded and recycled to produce the same items. The project developer uses hydropower electricity to operate the machines and ceramic inlays are cured using LPG and electricity ovens, resulting in very few emissions. In general, the net benefit emission reductions also factor the project emissions.</p>
<p>Is it possible to pay the</p>	<p>Yes</p>	<p>Yes, the stove can be paid in installments up to 90 days. The customer will make an unlock payment</p>

stove in installments?		and will receive the stove. The remaining amounts will be paid in installments.
Since these stoves are not familiar to all the people, it is important to give usage and maintenance training to the beneficiaries.	Yes	The promoters are trained to give instructions on use and maintenance of the stove to the beneficiary during the sales process. Also, a leaflet is handed to the beneficiary upon purchase. Roadshows and cooking demonstrations, including exhibitions and other events are used to reinforce the messages about stove usage and maintenance.
How the Project developer assures that is not using aluminum stolen from the local grid to produce the stoves?	Yes	MozCarbon sources its aluminum from accredited and registered companies in Mozambique with a good business track. Most of stolen aluminum is sold in informal markets where the project developer does not operate or engage with. Integrity, ethics, and high standards are important values of work of the project developer.

4. SAFEGUARDING PRINCIPLES ASSESSMENT

Participants were explained that people, institutions, projects and other entities are always governed by principles that guide their functioning and interaction with different stakeholders. The principles described below were explained. Participants had no additional comments or questions and agreed with them.


Safeguarding Principles	Analysis of Safeguarding Principles
(1) Human rights	The project respects universal Human Rights and its implementation will be based on them. The project will not discriminate and disallow participation based on race, gender, ethnicity, or other elements of differentiation. The project will not support and will not be complicit in any form of violence or abuse as defined in the Universal Declaration of Human Rights.
(2) Gender Equality and Women's Rights	The project will not use any form of discrimination based on gender. The project will ensure that men and women participate in it considering their skills and abilities. The



	project will not support or be complicit in any form of violence against women including sexual harassment or any form of restriction of women to have access to the natural and economic resources associated with the project.
(3) Community Health, Safety and Working Conditions	The project will not expose the community and people involved in its activities, such as workers to health and safety risks. To this end, the company will use national and international standards to ensure the health and safety of those involved and affected by the project is considered and is not affected. The project will provide a safe and healthy working environment, providing conditions to prevent accidents, injuries and diseases.
(4) Cultural Heritage, Indigenous People, Displacement and Resettlement of Persons	The project will have no impact on Cultural Heritage, Indigenous People nor does it involve displacement and resettlement of people in the area of implementation. The project does not affect the rights that people have over the land and natural resources.
(5) Corruption	The project does not involve any kind of corruption, will not be a complicity of corruption and will not implement the actions that reinforce corrupt practices. The project will be guided by the highest standards of ethics in all its activities.
(6) Economic Impact	The project is expected to contribute economically to by benefiting families and other actors involved. Labour Rights and fair payment will be observed. Negative economic impacts are not expected with the implementation of the project. The project is expected to contribute economically by creating jobs and reducing the cost of purchasing fuel for cooking, thereby helping to reduce poverty. Regarding jobs, the project will follow the ILO guidelines and national legislation on working hours, fair pay, child labour, social security, etc.
(7) Climate and Energy	The project promotes climate and energy by ensuring access to clean cooking energy technologies for households while reducing greenhouse gas emissions. No negative impacts are expected in this area.
(8) Water	The project will not affect water flow patterns or create some instability in water systems and bodies. The project does not have a direct linkage with water resources usage.
(9) Environment, Ecology and	The project will have no negative impact on the environment, ecology, and land use. The project does not involve any type

<p>Land Use</p>	<p>of crop production or land use or modification. The project does not work with genetic resources such as Genetically Modified Organisms with the potential to cause ecological disturbances. Positive impacts are expected in this area, mainly the reduction of greenhouse gas emissions, the reduction of harmful pollutants during cooking, the reduction of forest degradation and other positive ecological and environmental impacts.</p>
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5. SUSTAINABILITY ANALYSIS AND MONITORING

The main sustainable development indicators and their monitoring mechanisms were presented. Participants were asked for options on the best ways to monitor the project's sustainability. Participants agreed with MozCarbon's proposal for indicators and monitoring.

	<p>SDG 1- Poverty Reduction, because efficient stoves will allow people to use less charcoal when compared to traditional charcoal stoves currently used. Field studies confirm that the improved stoves that will be used in the project save at least 57% of charcoal when compared to traditional charcoal stoves that have already been used by families in peri-urban areas in Mozambique. So, people will save money and invest in other family needs such as transportation, school supplies for their children, uniforms, diversified food for the family among others. It will also be reduced the time required to cook food or other similar activities. It is expected that the project will also generate employment for young people, especially for women, in the areas of stove production as well as in distribution and marketing activities, management, and create opportunities for the emergence of small entrepreneurs in cooking energy among other benefits.</p>
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	<p>SDG 3 – Good Health and Well-being: The project contributes to reducing the incidence of respiratory diseases associated with indoor air pollution because the project stoves emit 70% less smoke when compared to traditional stoves. These benefits are much more important for women and children who are most affected by pollution of the kitchen environment. As an example, data from the World Health Organization (WHO) show that around 3.2 million people die worldwide each year due to indoor air pollution in homes and kitchens. In Mozambique, about 11.6% of all deaths are due to diseases related to air pollution at home and in the kitchen.</p>
	<p>SDG 13 - Reduction of Greenhouse Gases Emissions and deforestation and forest degradation: the project reduces the emission of carbon dioxide responsible for global and consequently Climate Change. The use of more efficient stoves than traditional stoves result in a lower biomass consumption and consequently reduced greenhouse gases emissions from the combustion of biomass (charcoal). The project contributes to the reduction of forest degradation, which is caused by the procurement of wood and charcoal production.</p>

6. CONTINUOUS INPUT AND GRIEVANCE MECHANISM

Also presented at the meeting was the mechanism through which meeting participants and other people interested and affected by the project can participate and contribute continuously and permanently with Ideas, suggestions, comments and complaints about the project. Participants agreed with these mechanisms and did not indicate any others. Below is described the same.

¹ [Household air pollution \(who.int\)](http://Household air pollution (who.int))

Method Chosen (include all known details e.g. location of the book, (best practice) phone, number, identity of mediator)		
Continuous Input / Grievance Expression Process Book (mandatory)	<p>Book of complaints and suggestions in the Gaza office: Xai-Xai City, Neighborhood 10.</p> <p>Book of complaints and suggestions in the office of Inhambane: Rumbana neighborhood 3, near MADEMO.</p>	The book of complaints and suggestions is a common means of participation in Mozambique. The participants agreed to the implementation of this medium.
GS Contact (mandatory)	help@goldstandard.org	Mandatory
Telephone access (optional)	+25821422188 +258876141427	The phone number of the MozCarbon office was shared with the participants. The sales office number was also shared.
Internet/email access (optional)	info@mozcarbon.co.mz www.mozcarbon.co.mz	Email was also shared. It is a medium also used in communications by stakeholders.
Nominated Independent Mediator (optional)	N/A	Not nominated or chosen
Other	N/A	N/A