

# “Production and sale of efficient cookstoves in the urban areas of Maputo Province” – AID 11609

CARBONSINK



## CARBONSINK EXPERIENCE

**For more than 10 years** Carbonsink has been developing projects capable of generating carbon credits certified by the main international and recognised United Nations standards.

Carbonsink offers:

- **carbon credits** generated in developing countries, together with local partners;
- support for the design and implementation of **ad-hoc offsetting initiatives** for the client, also within the production chain (insetting);
- **consulting** in the selection of the most suitable offsetting instruments for the client's strategy in the voluntary carbon market.



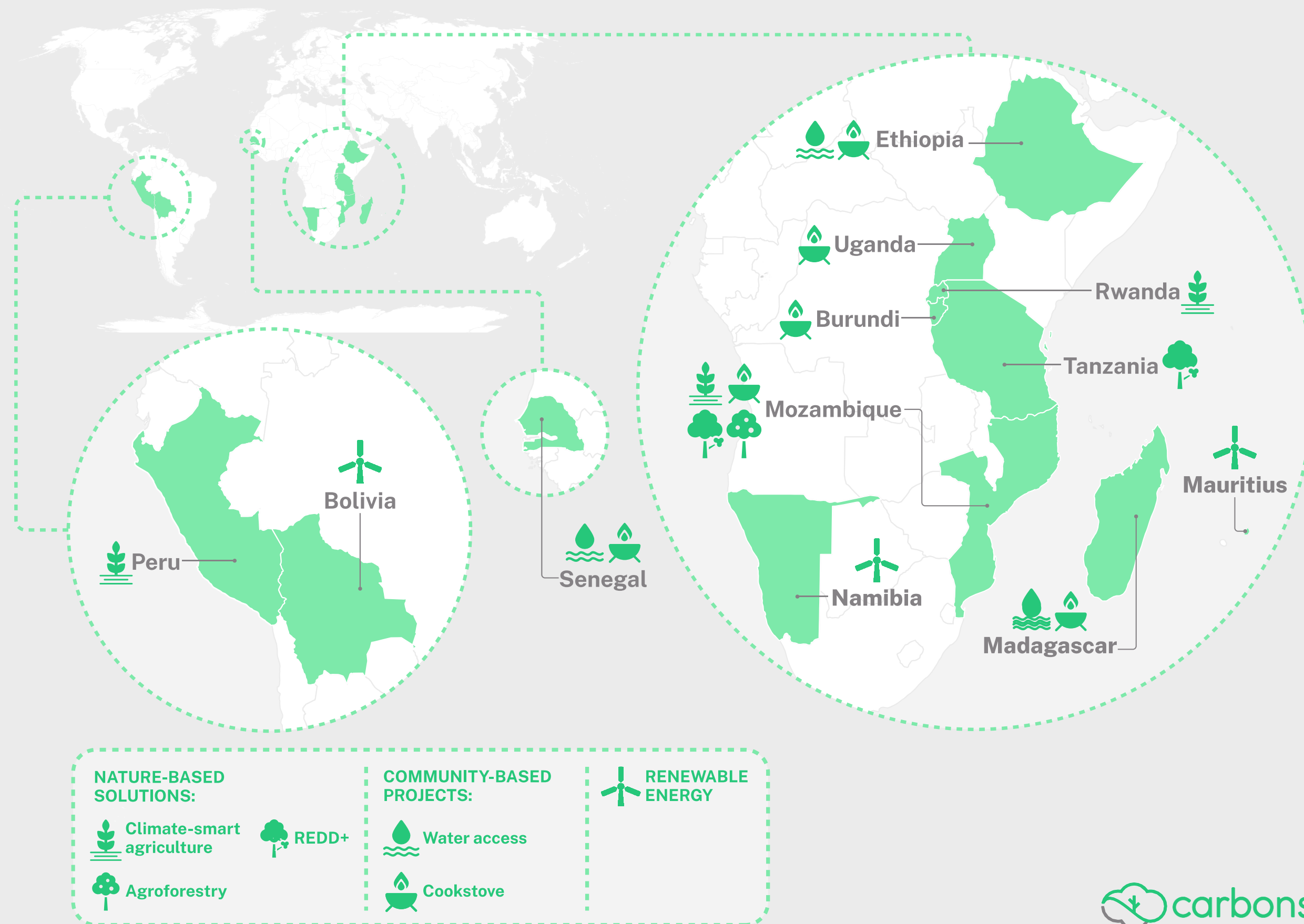


## CARBONSINK EXPERIENCE

Carbonsink's projects are mainly located in Africa and Latin America.

We have developed  
**30+ projects**  
offset  
**3+ millions of tCO<sub>2</sub>**  
and supported  
**200.000+ beneficiaries**

## CARBON PROJECTS





# OUR PROJECTS

## COMMUNITY BASED

### WATER ACCESS PROJECTS

**Water Access** projects reduce emissions by providing clean water to local communities, which normally have to boil it to make it drinkable.

They are **community-based** projects because they generate a positive impact on the climate and improve the quality of life of local communities (health, drinking water, education).

### COOKSTOVE PROJECTS

**Efficient Cookstove** projects reduce emissions by providing efficient stoves to local communities, which normally consume a lot of wood and charcoal for their daily needs.

They are **community-based** projects because they generate a positive impact on the climate and improve the quality of life of local communities (health, education, decent work, women's empowerment).

CARBON PROJECTS





# CARBON PROJECTS

## NATURE-BASED

### FORESTRY MANAGEMENT AND REDD+ PROJECTS

**Forestry Management and Redd+** (UN Program Reduced Emission from Deforestation and forest Degradation) projects prevent emissions from deforestation through the protection of forests. The projects are developed with the active involvement of local communities, with environmental and social benefits.

### AGROFORESTRY AND CLIMATE-SMART AGRICULTURE

**Agroforestry** is the intelligent integration of trees into agricultural systems to prevent their degradation and improve their adaptation to climate change.

**Climate-Smart Agriculture** is innovation applied to agriculture for sustainable agricultural development and increase of carbon stock potential of soils.

CARBON PROJECTS



*“Offsets are a necessary part of our efforts to build resilience to future disasters, in order to improve the quality of human life on our planet for decades to come”.*

**Christiana Figueres**, formerly executive secretary of the United Nations Framework Convention on Climate Change, where she oversaw the 2015 Paris Agreement

## NET-ZERO TRANSITION

Carbon credits are a tool to support the **transition to net-zero** and commit early on to promoting concrete actions with a positive impact on nature and people.

High-quality carbon credits help the company to offset **residual emissions**, while contributing to the improvement of living conditions in local communities and ensuring social, economic and environmental benefits on a global scale, in line with the United Nations Sustainable Development Goals (SDGs).





## MOZAMBIQUE



**+ 30.000 tCO<sub>2</sub>**  
Emissions reduction

**+12.000**  
Beneficiary families

**+12.000**  
New efficient cookstoves

energy efficiency  
Cookstoves

## “Production and sale of efficient cookstoves in the urban areas of Maputo Province”

Improving energy efficiency by replacing traditional stoves, contributing to the improvement of living conditions of the local population

**Gold Standard**  
Climate Security & Sustainable Development





## “Production and sale of efficient cookstoves in the urban areas of Maputo Province”

The project was developed in the poorest suburbs of Maputo, where population density is very high and hygiene conditions are critical. 74% of the population uses stoves with low energy efficiency and high consumption of coal, the combustion of which causes respiratory tract infections, especially among women and children, who are the most exposed to smoke inhalation, and also involves large emissions of greenhouse gases.

The main objective of the project is to improve the living conditions of local communities by distributing 12,000 new stoves to 12,000 families. At the same time, this will help improve the finances and health of local people by saving over 60% of coal and \$140 per household per year.

The new stoves will therefore contribute to climate change mitigation through a significant reduction in combustion and related emissions, with consequent benefits for household finances and health.





## BENEFITS



## ENVIRONMENTAL

- Reduction of 30,000 tCO<sub>2</sub> and contribution to climate change mitigation
- Reducing deforestation rates and safeguarding local biodiversity
- Energy efficiency improvement

## SOCIAL AND ECONOMICS

- New job opportunities for the local community
- Increased financial resources for the community by reducing annual expenditure on coal purchases
- Decreased risk of respiratory diseases due to smoking and injuries caused by exposure to fires
- Inclusive and sustainable economic growth

# **“Production and sale of efficient cookstoves in the urban areas of Maputo Province” – AID 11609**

**CARBONSINK**