SAVING TREES
UGANDA

SAVING TREES IN AFRICA

In Uganda 95% of the population essentially relies on wood and charcoal to cook their daily meals and deforestation has become a serious issue. This project supported by CO2logic amongst others seeks to help save trees, reduce deforestation and ensure better living conditions for the local population by reducing harmful airborne pollutants in their household.

The project facilitates the widespread access to improved cookstoves technologies throughout the country by setting up small ventures with local manufacturers, supporting the development of sustainable distribution channels and subsidizing stove prices for end users. Each stove helps reduce wood and charcoal consumption by up 40% compared to other cooking methods and can save US $75 per year per family. Each cookstove contributes to reducing 1.4 tonnes of CO2 per year the equivalent of a return journey for one person from Brussels to Washington D.C.

The cookstoves also create a reduction in the emission of harmful pollutants that frequently cause respiratory illnesses such as Pneumonia for children and women in Africa. UNICEF estimates that 2 million children are killed by pneumonia every year. Pneumonia is the single largest cause of child death and reducing indoor air pollution is one of the key prevention measures.

This carbon abatement project would not exist without the financial support coming from carbon offsetting. The project and its CO2 reductions are independently registered and verified under the internationally recognised Gold Standard label (http://www.cdmgoldstandard.org).

450.000 + stoves
built and sold

166.000+
tonnes charcoal
avoided

5 million+
trees saved

1.000.000
tonnes CO2 avoided

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FACTS & FIGURES

The Challenge
Nearly 3 billion people in the developing world cook with inefficient stoves and dirty biomass fuels. This practice exposes families to dangerous smoke, causing more than 4 million premature deaths every year. The vast majority of households in Uganda are affected by this, as 95% of families use biomass fuels for cooking.

Although many consumers would prefer to cook with energy-efficient stoves, the costs of production and distribution make the technologies inaccessible. Cooking with inefficient and low-quality stoves with dirty biomass fuels has a multitude of negative impacts:

- Exposure to dangerous smoke has been linked to a host of deadly health impacts
- Poor families spend as much as 15% of income on cooking fuel or as many as 6 hours collecting fuel each day, exacerbating poverty
- Ugandan women are disproportionately affected, as they spend 3-7 hours per day preparing food
- Increased emissions of greenhouse gas that contribute to climate change
- Higher rates of deforestation and forest degradation, putting Uganda's natural resources at risk

This Gold Standard Voluntary Project, Improved Cookstoves for Social Impact in Ugandan Communities, seeks to address this challenge, thus improving the daily lives of Ugandans while reducing pressure on the local environment.

A Market-based Approach
The Project overcomes accessibility barriers by integrating carbon finance with market-based approaches to increase supply and demand, driving the creation of a thriving cookstove market capable of reaching national scale. We support local entrepreneurs to grow their businesses and ensure a lasting supply chain. Working with stove vendors to understand customer priorities, develop targeted social marketing campaigns and identify opportunities for market growth, the Project creates increased demand for improved cookstoves. By fostering strong partnerships across the value chain of diverse beneficiaries, including manufacturers, retailers and end users in schools and households, we are creating a sustainable market for improved cookstoves. As a non-profit, revenues from carbon finance are reinvested into scaling the Project's activities.

Impacts at Scale

- 350,000+ efficient stoves have been sold to Ugandan households and schools
- 1.5m+ people benefiting from lower energy costs and reduced indoor smoke
- 900+ retailers accross Uganda increase their income by selling stoves in local markets
- 230+ local Ugandan artisans are employed making the stoves
- 500,000+ tons of carbon emissions are avoided by the project each year
- The use of 140,000+ tons of charcoal is avoided each year, lowering pressure of Uganda's forests
- More than $110 saved per household per year, savings which can be spent on school fees, uniforms, and medical care
- Reduced exposure to carbon monoxide and other toxic chemicals inside households

THIS PROJECT CONTRIBUTES TO THE FOLLOWING SDG's

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