Efficient Cook Stoves for Returnees in Burundi

This project distributes efficient cook stoves for returnees in Burundi. The stoves are part of an aid package handed out in reception camps by aid organisations such as UNHCR and World Food Programme. The stoves have improved combustion, resulting in reduced household air pollution with its associated adverse health effects. The stoves also require less fuel wood which conserves forests, saves on the chore of gathering wood and reduces CO\textsubscript{2} emissions.

In Burundi, many former refugees and IDPs (internally displaced persons due to natural disasters and climate change-induced food insecurity) are now being assisted to return home. Returnees often come back owning almost nothing except little savings. It is anticipated that upon resettling, many will use inefficient cooking systems that have been entrenched across most central African communities. These normal cooking systems require a large amount of fuel and are very smoky, which disproportionally exposes women and children to household air pollution and can result in adverse health effects like respiratory illnesses and ischemic heart disease. Meanwhile, much more firewood needs to be extracted out of the neighboring forests, and more time spent by women and children for gathering and transporting the wood.

*The amount of wood we used for two days with the old cook stoves lasts us a week with the new cook stove.*

Returnee

The project is distributing improved cook stoves (ICS) to returnees via aid packages which also include items such as clothing, food, medical supplies etc. The stoves distributed through this project will encourage returnees to replace the prevailing inefficient three-stone fire places or traditional cookstoves that are predominantly used across the region. The new efficient stoves provide for an efficient transfer of the thermal energy, generated through the combustion of biomass, to the cooking pot.
There is thus a resultant reduction in both biomass consumption and in greenhouse gas emissions. Reduction of biomass consumption avoids deforestation, reduces expenses associated with purchasing fuel. There will also be an economic benefit in that the stoves will be produced locally in Bujumbura.

The project implementer OBEN is a local NGO with a solid track record, active in climate projects for more than 15 years and already operating five successful carbon programmes. The OBEN production facility is located in Bujumbura and features three lines of production for the stoves. Leveraging carbon finance, this project will allow the reduction of greenhouse gas emissions associated with cooking, and allow for the more sustainable use of biomass resources within Burundi.

This project contributes to 8 SDGs (as of end 2021):

Find out how myclimate reports these SDGs in our FAQ.

The following SDGs are verified by the Gold Standard:

1. **No Poverty**
   - Reduction of fuel consumption and associated expenses by 80 per cent

2. **Climate Action**
   - Avoidance of 395,379 t CO2 per year and 2 t CO2 per stove per year

3. **Life on Land**
   - Avoidance of 2,500 ha of deforestation per year

4. **Good Health and Well-being**
   - Reduction of indoor air pollution and related risk to respiratory diseases

5. **Clean Energy**
   - Distribution of 200,000 improved cook stoves to returnees

6. **Decent Work and Economic Growth**
   - 170 jobs generated
Women regain time otherwise spent collecting firewood and cooking

Reduce consumption of firewood