



Sustainability action · Project Climate Change

Dissemination of fuel-efficient biomass stoves and water purification systems, Tanzania

The project contributes to sustainable development in Tanzania by providing the local population with access to fuel-efficient biomass stoves and water purification systems.

Project

Around 7.2 million families in Tanzania depend on biomass for cooking. Mostly women and children walk an average of three hours a day to collect firewood and households spend up to one third of their annual income to cook for their family.

The dependency on firewood for domestic purposes has significant environmental implications, causing an increase in deforestation and a deterioration of biodiversity in the region. In addition, there are significant public health implications, as cooking over a traditional stove inside the home is the equivalent of burning 400 cigarettes an hour and releases toxic smoke and emissions.

The project aims to reduce indoor pollution and curb deforestation by providing fuel-efficient biomass stoves and water purification systems to households throughout Tanzania.

Checklist	Additionality and permanence	3 rd party verified	Transparency	Annual CO ₂ -reduction	Social and environmental benefits	Marketing material
Project 301 774	According to the rules of the Gold Standard	by DNV	Provided by the Markit Environmental Registry	92,900 tCO ₂ e	As documented in our database	Pictures available



Location

The project is located in both urban and rural areas throughout Tanzania, as more than 77% of the population depend on biomass for cooking. This dependency is a major cause of indoor pollution and The World Health Organization estimates that approximately 27,500 deaths can be attributed to the use of solid fuels for cooking in Tanzania every year.

Project achievements

Socio-economic impact

- The project helps to subsidize the cost of fuel-efficient biomass stoves, making them more affordable for the local community. This in turn generates employment opportunities for local entrepreneurs who are given a financial incentive to sell, monitor, and evaluate the impact of cooking stoves throughout the country.
- The cooking stoves reduce hazardous smoke caused by indoor pollution and contribute to improved health for women and children.
- Because of the reduced fuel consumption, women and children spend less time gathering firewood and families cut their fuel budgets by more than 40%. This money is then reinvested into their health and education.

Environmental impact

- The project generates an estimated total annual emission reduction of 92,900 tCO₂.
- The replacement of traditional biomass stoves with fuel-efficient biomass stoves and the distribution of water purification systems reduce deforestation and improve biodiversity in the region.

Gold Standard



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Andrea Rumiz
Director Key Accounts

Phone +41 43 501 35 50
sales@thesouthpolegroup.com