Project Overview:

Energy - efficient Cooking Stoves

Situation of the rural population

In the last 10 years about one third of the tropical forest has been cut down in the Caribbean's poorest country Nicaragua, in favour of pastures and agricultural land. "If this development continues, in 30 years there will not be any tree left," warns biologist Dr. Wilfried Leupolz of the German Federal Enterprise for International Cooperation. As a result, people are increasingly struggling with water shortages because the groundwater level is dropping. In addition, dry seasons are increasing due to climate change. Especially the consumption of wood for cooking in is devastating: Open fireplaces are common in rural areas, sometimes even in large cities. Each family burns 14.4 kg of wood every day. In addition to the tedious task of collecting wood, the open fireplaces are one thing in particular: they are extremely harmful to health.

Benefits of the energy-efficient cooking stoves

On average, a household uses around 6 kg less firewood, which counteracts deforestation. In addition to avoiding deforestation and emissions, it also reduces the burden on women, who need to collect far less firewood. The women dedicate the newly gained time to their children or cultivate nearby fields together with their families.

Besides, the production of soot particles caused by burning firewood, is avoided and the air quality in homes and therefore also the health of families are improved. Another positive effect is the creation of jobs for the construction and maintenance of the new cookers. This enables individual participants in the project to generate additional income and raise their standard of living.

External Auditions

The project is not certified by the Gold Standard. According to the regulations of Klima-Kollekte, this is not absolutely necessary for micro projects below an annual saving of < 5,000 t CO2, as the costs would not be proportional to the small size of the project. However, the project complies with the standard. In 2018, Klima-Kollekte sent an external expert to the project who verified this and the CO2 savings.

Name:	Energy-efficient Cooking Stoves
Category:	Energy-efficiency
Location:	Villages around Madriz and Chinandega (Westnicaragua) in Nicaragua
Partner:	Lutheran Church of Nicaragua
Standard:	Micro project according to the Gold Standard criteria
Savings:	4.747 t CO_2 (in total)
Duration:	2013-2020
Status:	Certificates since 2015

Contribution of the project to the 17 Sustainable Development Goals of the UN:

Link to our partner organization:
https://mission-einewelt.de/

State: November 2019