

## Project Overview:

### Energy-efficient Cooking Stoves

#### Situation in the rural mountain region and project setup in Lesotho

The vast majority of Lesotho is characterised by high plateaus where large parts of the bush forest have already been cleared. Climate change and overexploitation of resources also endanger people's livelihoods. 60% of the population live on less than one US dollar a day with only limited access to social and economic opportunities. Carrying heavy burdens over long distances and the heavy smoke development over inefficient traditional fireplaces are damaging to health and therefore pose problems for the population.

In 2017, the local organisation SMARTD started a pilot project with energy-efficient cookers in the rural areas of the Senqu River Valley. 1,000 Save80 cookers, which have already been tested in the region, are distributed to families in 123 villages over a period of two years. Households that use the Save80 stoves are regularly supervised by SMARTD and the stoves are monitored.

Due to its level of development and size, Lesotho has little experience in the implementation of climate protection projects and only a marginal share of the global compensation mechanism. The project helps to change this and received the first start-up funding from Klima-Kollekte.

#### Benefits of the energy-efficient cooking stoves

With the energy-efficient stoves, families consume around 80% less firewood (Save80). One of the stoves is the so-called "Wonderbox", which keeps food warm over a longer period of time by means of heat retention. Women's working hours for cooking as well as for collecting wood are reduced, as well as the risk of accidents with fire. The first pilot phase showed that smoke development was significantly reduced, families are more healthy and were able to save money. The project therefore has not only had a positive impact on the climate, but also on families and communities

Name:	Energy-efficient Cooking Stoves
Category:	Energy-efficiency
Standort:	Senqu River Valley in Lesotho
Partner:	Southern Mountains Association for Rural Transformation and Development (SMARTD)
Standard:	Micro project according to criteria of the Gold Standard
Savings:	4.600 t CO <sub>2</sub> (in total)
Duration:	Since 2017
Status:	Pilot phase; Financed by Klima-Kollekte's micro project fund

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

