



Energy Situation

Madagascar is a land of contrasts where univalued biodiversity is found alongside with one of the world's poorest human populations:

- 90 percent of people have to live on USD 2 a day,
- 90 percent of Madagascar's terrestrial species are endemic and Madagascar harbors 1/20th of the world's known biodiversity, and
- 90 percent of the island's forests and ecosystems have already been denuded.

Massive deforestation and droughts in the past decades have led to a situation in which the ecosystem degradation as well as the prices of firewood and charcoal have enormously increased. Moreover, respiratory infections caused by inefficient combustion of fuel wood and charcoal cause approximately 12,000 deaths per year, of which the vast majority of victims are children. Next to slash-and-burn agriculture, the collection of fuel wood and charcoal production using timber from non-plantation forests are the persisting main causes of deforestation. The most areas hit are the vulnerable arid south and west of Madagascar.

Approach

The project strategy is to develop an expanded local production capacity for Improved Cook Stoves (ICS), and to ensure a sustainable market for ICS in urban and peri-urban areas in Madagascar. Concretely the productivity and number of assembly lines in a factory of the so-called OLI-stoves will be increased, thus the fight against deforestation supported. The different types of OLI stoves are built for wood and charcoal combustion. The dependency from imports was identified to be one important bottleneck to scale up production and keep ICS available to the poor. Therefore, local production from galvanised sheet-metal should replace importations of buckets from Europe. Local production also leads to the positive effects that overall costs decrease and the employment level increases. As a second key intervention is the establishment of outlets and sustainable marketing structures in new areas of Madagascar, namely the capital Antananarivo.

The project is implemented by the Swiss NGO Association pour le Développement de l'Energie Solaire (ADES) in cooperation with GIZ Madagascar. ADES is active in Madagascar for many years.

The project targets at the development of a sustainable market providing cook stoves including poor people. Within the project period, the EnDev contribution aims at an additional production of 10,000 efficient stoves, reaching approximately 45,000 people.

Activities

EnDev Madagascar is enhancing the infrastructure of ADES in three ways:

- A second centre for clay core production will be built in Fianarantsoa;
- The bucket production in Tuléar will be increased through installing adequate equipment, and the number of employees increased and educated;
- A sales centre is put in place in the capital city Antananarivo.

Technology	improved cookstoves (ICS)
EnDev 1	N.A.
EnDev 2	12/2012 - 03/2014
Partners	The project's main partners are retailers, communities and locals, at local level
Outcomes (06/2013)	just started
Access to modern energy services	

