

Promoting sustainable energy in Nepal

Situation in the districts

The climate protection project targets marginalized, indigenous communities in the Nepalese districts of Udayapur, Makwanpur and Sindhuli. Families in the project region generally have limited access to resources and technology and require firewood to cook meals and boil drinking water. As deforestation continues, resources are becoming even more limited. Women in particular have to travel long distances to collect firewood and families have to invest their income in firewood. The climate protection project of our partner organization SAHAS in Nepal is counteracting this situation.

About the climate protection project

The aim of the project is to provide sustainable, clean technologies to meet rural energy needs - while maintaining climate sustainability by reducing greenhouse gas emissions. The project will provide 20.000 improved cooking stoves, 10.000 biogas plants and 15.000 clean drinking water devices to households in the districts.

Benefits of the project

SAHAS implements improved cooking stoves with an efficiency of more than 20%. The use of these cooking stoves reduces the demand for firewood. This supports women in particular, as they save time and expenses. The smoke produced when burning wood on a three-stone fire is reduced, which leads to an improvement in the health situation. Through the integration into the local production chain, women obtain income-generating jobs. In this way, the project also contributes to gender equality in the districts.

The stationary installed biogas plants are powered by cow dung. The fermentation in the chamber of the plant produces biogas, which families can use, e.g. for cooking, heating water and lighting. Moreover, the climate protection project provides devices for clean drinking water, such as bio-sand filters or ceramic filters. Families thus save additional firewood, because the water no longer needs to be boiled.

Another advantage of the project is the integration of the local population. SAHAS creates about 300 jobs in the region.

name:	Energy efficient cooking stoves, biogas plants, water filters
category:	Energie efficiency, renewable energy
location:	Udayapur, Makwanpur and Sindhuli (Nepal)
partner:	SAHAS FOUNDATION
standard:	Gold Standard for the Global Goals
saving:	216.000 t CO ₂ (in total)
available:	2022-2027
status:	Certificates starting in 2022

supporting the following SDGs:



Link to our partner organization:
<https://www.sahasnepal.org.np>