



ADPP ENVIRONMENT Renewable Energy Sources

Fighting Global Warming Through Renewable Energies

The effects of global warming and the resulting climate change will have a major impact on the lives of poor people in rural areas around the world making them even more vulnerable to draughts, floods, and other natural disasters.

As a way to contribute to the efforts in climate change mitigation in Mozambique, ADPP has engaged itself in several projects related to renewable energy sources. The objective of these projects is to provide people with access to alternative types of energy, such as solar energy, biogas, wood-saving stoves and jatropha oil for lighting.



Solar Energy at Quissanga, Ancuabe and Chagalane

The main objective of the Solar Energy Project is to provide alternative sources of sustainable energy to a total of 18.000 people in the districts of Quissanga and Ancuabe and to give training to local small entrepreneurs. The project started in 2012 with the installation of 40 solar energy charging stations for 60 solar home lanterns each. The installation of solar energy charging stations will allow families to have lighting at night so that children are able to do their homework and adults their housework, including taking care of animals and cooking. Having illumination at nighttime will also allow for literacy classes and income-generating activities to be carried out after nightfall.

The same model was implemented in Chagalane, Maputo Province, by a team of students from the ADPP OWU (One World University), benefiting a total of 2.400 people. The stations recharge solar lanterns and mobile phones. To this end, 50 local entrepreneurs and community leaders were trained in the use of solar energy and in developing their own businesses.

Firewood-Saving Stoves

The objective of the firewood-and charcoal-saving stove project, implemented in Nacala, Nampula Province, is to produce and sell 10.000 energy saving stoves. Facilities have been built for the production, processing, drying and storage of the stoves. 25 local people were trained in processing and 8 on the sale of the stoves. The people involved have formed an association and were trained to continue the production and developing their businesses in order to secure the sustainability of the project.

Jatropha Oil

In 2007, ADPP Mozambique began planting jatropha with the objective of producing biodiesel. The project involved 1.800 farmers in 5 districts of Cabo Delgado Province. To date, the project has managed to plant a total of 600,000 jatropha plants in the province and to establish a jatropha seed processing plant with presses, filters and a generator. The jatropha oil is processed to be used for the production of soap and to provide illumination.

Bilibiza Biogas Project, Cabo Delgado Province

The Bilibiza Biogas project was implemented in the same region in Cabo Delgado Province. Its objective is to build five bio digesters to produce biogas for the use of the people in the rural communities and local institutions. The bio digesters were installed in the kitchen of the local ADPP Teacher Training College, in the surrounding homes, in the local Health Centre, at the Bilibiza Maternity Hospital and in residence of the Administrator. The bio digesters run with cow manure and organic waste from the kitchen and jatropha processing waste.



ADPP Agriculture and Renewable Energy

