

Project Summary

Projekt Background

The Dutch Directorate General for International Cooperation (DGIS) is planning an international Initiative to implement biogas plants for households in rural areas in Africa. Target of this Initiative is to support 2 mil. households with the installation of biogas technology.

Project Objectives

Sustainable Improvement of energy supply in rural areas as well as an improvement of sanitary facilitations and increasing of agricultural production with the help of biogas technology.

Project Activities

Within the German Government programme "Promotion of Renewable Energy in Developing Countries" two feasibility studies about national biogas programmes in two different African countries have been carried out.

Therefore within the scope of the GTZ/SNV-project „Biogas for a Better Life": a Household (HH) Baseline-survey (BLS) was conducted in Mwanza region of Tanzania during May 2007. In total 100 HH were surveyed to find out the technical, economical, and socio-political feasibility of initiating a large-scale household biogas programme in Mwanza.

The BLS included the following main topics:

- distribution and analysis of poverty in rural areas;
- description of socioeconomic HH situation;
- common livestock farming practices, geographical distribution of livestock farming;
- energy demand and supply in the household sector; energy policy and plans;
- fertilizer demand;
- health and sanitation needs;
- local environmental concerns such as deforestation and water quality;
- existing institutional set-up relevant for a possible national biogas programme.

The results of the HH baseline-survey show that there is a high demand for energy alternatives to firewood in the Mwanza region. Most families keep a high number of livestock (Ø 18 animals) mainly cattle and goats, and are economically able to afford a biogas installation.

Additionally the results show a lack of information and technical understanding of the families concerning biogas in that area.

Services Provided

- a) Planning and implementation of the Baseline Survey:
 - Creation of a questionnaire with emphasis on biogas
 - Creation of an evaluation matrix
 - Selection and briefing of local interviewers
 - Organisation and logistical planning in country
 - Selection of villages, households, characterisation of households
 - Interviews of a minimum of 100 households in 2-3 villages
- b) Evaluation Report including data analyses and evaluation

Tanzania

Biogas Household Baseline Study

Client

German Agency for Technical Cooperation (GTZ)

Duration

04/2007 - 05/2007

Personnel

1 international short-term advisor
1 national short-term expert
Interviewer pool

