



Programme for Biomass Energy Conservation in Southern Africa

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Biomass Energy Conservation means:

Use of more energy efficient technologies (improved stoves), use of alternative renewable energy sources: e.g. solar, gel fuel, introduction of more efficient firewood management (drying wood, splitting wood, etc) and improved kitchen management (e.g. reducing time for cooking process, better ventilation at the cooking place)

ProBEC SADC North: Malawi – Tanzania – Zambia

Project Brief

Overall Goal

Lower income population groups satisfy their energy requirements in a socially and environmentally sustainable manner.

Indicators:

Traditional biomass energy (woodfuel, agricultural and forest residues, charcoal) users have improved their health situation (reduction of respiratory infections, reduced ARI amongst children, reduced burns) and spend less time and money for acquiring fuels and can use this benefits for e.g. alternative income opportunities and better care of the family. Land degradation caused by overexploitation of fuelwood has not increased. Greenhouse gas emissions caused by incomplete combustion have been reduced.

Purpose

Biomass energy related public institutions, civil society and the private sector in Tanzania, Zambia and Malawi are successfully promoting and commercialising the use of affordable energy-efficient technologies and techniques for low-income households, institutions and small-scale businesses.

Indicators:

30 month after project start, energy efficiency, including energy efficient technologies (e.g. improved stoves and ovens), alternative renewable energy sources (e.g. solar, plant oil), efficient firewood management (drying wood, natural resource management, etc), improved kitchen management (reducing time for cooking process, better ventilation at the cooking place, etc), has been improved in Zambia, Tanzania and Malawi in a total of at least: xx households and xx small scale businesses and institutions

Beneficiaries/Target group

Low income rural and urban households as well as small businesses and institutions using biomass energy (woodfuel, agric. and forest residues) for cooking, baking, heating and food processing.

Expected results

Result 1

Best approaches from SADC Programme for Biomass Energy Conservation (ProBEC) have been introduced to Tanzania and Zambia

Indicators:

- National action plans reflect the integrative, participatory, gender and commercial orientation of ProBEC
- Malawi plays a prominent role in sharing their experiences with Tanzania and Zambia

Activities:

- Up-date information on current biomass energy situation in Tanzania/Zambia and on-going initiatives related to biomass energy
- Carry out national workshops to review current energy situation, to learn from other SADC countries and to develop integrated action plans

Result 2

National strategies for BEC are further developed

Indicators:

- Implementation of BEC programmes is based on reliable energy data and state-of-the-art strategies and approaches in the region
- Additional financial resources have been secured (are available) to implement BEC measures
- HIV/AIDS mitigation measures reflect contribution of BEC activities

Activities:

- Set-up (if not yet existing) and strengthen a national BEC steering committee or similar body to carry out the following tasks:
 - Review national energy policy/strategy and give recommendations for adjustments
 - Continuously monitor national BEC interventions (approaches and implementation)
 - Continuously take HIV/AIDS situation into consideration while planning and reflecting on how biomass energy conservation can contribute to the mitigation of the pandemic
 - Lobby for strengthening of biomass energy conservation measures including necessary financial resources
- Exchange information and experience on BEC technologies and techniques and respective dissemination approaches at national level

Result 3

Mature and affordable Biomass Energy Conservation (BEC) technologies/techniques for households and small-scale businesses are commercially available

Indicators:

- Private entrepreneurs produce, promote and market a variety of high quality energy efficient devices, that
 - Reduce wood-fuel consumption at user's level by at least 30%
 - Reduce smoke emissions in the home by at least 50%
 - Reduce energy costs for small businesses by at least 50%
- Consumers use these products efficiently

Activities

- Identify and select local/national energy and business organisations and further qualify them to carry out the following tasks:
 - Carry out needs assessments and collect site specific data on

- energy use patterns
- Inform users about improved BEC options
- Select, test and adapt improved BEC technologies
- Advise and train BEC technology producers and sales persons on technical and business skills
- Support marketing and awareness campaigns
- Advise and train users on BEC technologies
- Monitor and evaluate promotion, production and use of technologies

Result 4

Experiences on BEC interventions are exchanged in the region

Indicators:

- Best practices are documented and shared via the ProBEC website, during national and regional meetings and during exchange visits
- National experts plan and manage BEC programmes according to the highest standards available in the region and in the sector

Activities:

- Jointly assess experiences and impacts on development and promotion of national BEC strategies and on BEC interventions for regional exchange
- Carry out regional trainings on project management, BEC options, PR, fund raising, gender orientation, HIV/AIDS mainstreaming etc
- Facilitate publication of best practices
- Facilitate exchange of experiences at national and regional (training) workshops and through exchange visits
- Collaborate with relevant regional and international networks and projects/programmes

Project duration July 2004 – December 2006

Programme lead SADC Directorate Infrastructure and Services



Financing and implementing Agencies

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