

# Projektsteckbrief

**Projekt** **Network of Excellence in Renewable Energy Technologies for Development (NEED)**

**Schlagwörter** Energy Access and Efficiency, Interlink local Stakeholders of Target Region (Botswana, Namibia, Zambia), Research Policies, Dual Studies, Industry

## Projektdetails

<b>Projektstart</b>	2014	<b>Projektlaufzeit</b>	3 Jahre
<b>Fördermittelgeber</b>	ACP-EU S&T II	<b>Förderkennzeichen</b>	FED/20131330-221
<b>Projektträger</b>	Secretary-General of the African, Caribbean and Pacific Group of States (ACP)		
<b>Förderprogramm</b>	ACP-EU Co-operation Programme in Science and Technology (S&T II)		
<b>Projektbudget</b>	995.436€		
<b>Ansprechpartner</b>	Prof. Dr.-Ing. Wilfried Zörner (Projektleiter) Stefan Schneider		
<b>Kooperationspartner:</b>	Botswana International University of Science & Technology (BIUST); Okavango Research Institute (ORI), Botswana; Namibia University of Science and Technology (NUST); University of Zambia (UNZA).		

## Beschreibung

Project description:

NEED aims to set up and institutionalise a 'Network of Excellence' inter-linking existing successful renewable energy technology (RET) initiatives, institutions and experts in Southern Africa. The backbone of the network is represented by local as well as international energy-related research/higher education institutions, starting with the six members of the project consortium based in Botswana, Namibia, Zambia and Germany.

During the project implementation period, the network will operate in the following 'fields of activity': formulation of research policies; development of industry standards and enhancement of practical education ('Dual Studies'). Moreover, the project will demonstrate, based on two model regions, technical options of renewable energies for typical local environments. For this purpose, wetlands in Botswana and drylands in Namibia have been selected.

Each member of the project consortium is responsible for one activity. THI as project leader offers support in terms of technical and management capacities as well as coordination of the network itself and ensures knowledge transfer between the project partners and local activities.

Within NEED the following three objectives shall be achieved:

1. To strengthen the internal STI capacity in the field of RETs in Southern African countries;
2. To foster a long-lasting cooperation of science and technology (S&T) stakeholders with Southern African partners and the EU;

3. To create an institutional framework for science, technology and innovation in RET in Southern Africa.

By engaging with stakeholders beyond the project consortium such as governmental institutions, the private sector and the wider educational sector, NEED expects a variety of results, for instance:

- An institutional framework for 'Network of Excellence' in renewable energy, science, technology and innovation;
- A national research roadmap for RET per target country & an institutionalised public decision-making process incorporating the roadmaps into national research policies;
- A framework and structure of practical training programmes on renewable energies to supplement related higher education at partner universities ('Dual Study Programmes');
- Regional energy concepts for the Okavango Delta as well as the Gobabeb Research & Training Centre, which are applicable on a broad scale;
- A roadmap for regional transition in sustainable energy production & consumption ('Renewable Mini-Grid Drylands');
- An expert conference on renewable energy science, technology and innovation.

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