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The Integrated Energy Farming for African Development Network (IEFAD-Net)

An initiative to alleviate energy poverty in Sub-Saharan Africa through the establishment of applied science, technology and innovation hubs in selected regions.

(A project cooperation with 27 partners in Southern Africa and Europe; brief digest from a proposal transmitted to the EU's ACP Science & Technology Programme, in March 2009)

Activities & Effectiveness

Format and structure of the action:

Centres or hubs in three Sub-Saharan African (SSA) subregions, i.e. in three countries, representing East Africa (Uganda), West Africa (Ghana) and Southern Africa (Botswana) as depicted in Diagram 1.

Each centre will service and network countries in their subregions with the purpose of promoting rural energy economies in their subregions through:

- **building *technical capacity*** (installation and maintenance),
- ***designing energy solutions*** that meet local requirements and needs with local partners (technology and skills transfer),
- **developing *policy briefs*,**
- **developing *financing models*** and proposals .

Each centre will be established from a partnership between a local academic institution and a private-sector organisation with technical capacity. Each centre will demonstrate appropriate technologies and integrated systems, educate regional and international postgraduate students in the design and application of continuously improved systems; train artisans in installation and maintenance skills, work with partners in developing policy briefs, accessing scientific and technological advice and collaborate with the financial services sector in developing financial solutions, packages and models. The project partners from Europe and South Africa (OneWorld and Restio) will provide support to these centres through technical, policy and financial expertise and with financial resources. The centres will further be expected to (and be supported in) documenting learning from applied research, design and pilot installation activities, develop university-level course material, expand the subregional partner network and maintain a database of goods and service providers accordingly, as well as holding workshops as relevant in their subregions.

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ACP SCIENCE & TECHNOLOGY PROGRAMME

Integrated Energy Farming for African Development (IEFAD-Net) Enabling networks for the adoption of sustainable energy

THREE REGIONAL CENTRES OF LEARNING AND RESEARCH (HUBS) ONE REGIONAL SATELLITE



ASSOCIATES
ACP REGIONAL
West Africa: Youth & Environment Club; Sekondi Takoradi; Okosnet: Africa; Kumasi Institute; AMPÖ; SEWA
Central Africa: T'COM
East Africa: Makerere University
Southern Africa: Amusha Solar Namibia; Solar Age Namibia; Desert Research Foundation Namibia
INTERREGIONAL EU
Juwi Solar GmbH; Adelphi Research; Consulting Science for Sustainable Development; Rolf Owsianowski; Sebastian Schluter; Sonnenergie fuer Westafrika; Schulwaelder fuer Westafrika eV; CAREERA Projekt GmbH Ltd; Welthaus Bielefeld

Diagram: Working structure of IEFAD-Net