

Scientific and Technical Support to Sustainable Energy Development in Africa: Rural Electrification, Renewable Energy and Communication

Capacity Building Activity

- Objective:** Reinforce the existing expertise on renewable energy (RE) technologies and/or develop it.
E.g. Knowledge network in RE (Botswana, Tanzania, South Africa),
Regional Centre for Mapping of Resources for Development (Kenya).
- Target:** Young researchers, ongoing PhD or postgraduates.
- Regions:** Whole Africa, but main focus on Sub-Saharan Africa. Desirable to cover the 4 regions (West, Central, East and South).
- Time frame:** Two years from now, until September 2012.

Capacity Building Activity

Activity: Workshops on different RE topics in African research institutions, organised at a regional level.

Procedure:

- Interested parties should present a detailed training workshop programme targeting at least 20 students, at a doctoral or post-doctoral level, and covering at least one African region.
- The field of expertise covered should be RE applied to the African needs/conditions.
- The JRC internal procedures require at least 3 (or 5) offers for the same service provided and the best one will be selected.

JRC support:

- JRC-REU* can support during the preparation of the programme.
- JRC-REU* can support during the selection of the best candidates (as well a call for candidates will be published in the JRC-REU web page).
- JRC-REU* experts will contribute to the training of young researchers in the following fields of expertise.
- Financial support.

*Joint Research Centre- Renewable Energy Unit

Capacity Building Activity

Fields of expertise:

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|--------------------|---|
| PV Solar: | Solar radiation measurements, GIS applied to solar resource (PVGIS), PV modules measurements (indoor/outdoor), PV energy rating. |
| Bioenergy: | Resource availability, greenhouse gas performance, assessment of the production potential and growth rate, certification systems. |
| Energy Efficiency: | Definition and application criteria for the assessment of technologies, support schemes and policy measures for Renewable Energies and Energy Efficient Technologies. |

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Potential follow-up:

The JRC - Renewable Energy Unit (JRC-REU), will be able to host some of the best young researchers, after the workshop, for 1 to 2 weeks.

Qualifications required: ongoing PhD or PhD, with at least 1 peer-reviewed article published.

Procedure: Interested parties should send the CV of at least 5 candidates, so we can do the selection of the best ones, and express their field of interest among the already mentioned ones.

Thank you for your attention!

Round table discussion, suggestions,
ideas,....

