



## Renewable Energy Capacity Building within the International Climate Initiative (IKI)

The International Climate Initiative (IKI) assists partner countries in switching to a sustainable, low-carbon economy. IKI partners receive support in the form of knowledge transfer, technology cooperation, policy advice and investment measures, enabling them to develop and implement appropriate methods and instruments that can be used to advance transformational processes.

Some IKI projects focus on capacity development in partner countries. These projects often combine knowledge transfer, training of local staff and the development of studies and concepts. This approach ensures long-term and sustainable results by strengthening the strategic capacity of partner institutions and organisations.

### Examples of Capacity Development Projects within the IKI

Within the framework of the IKI, the Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB) has commissioned the Renewables Academy (RENAC) to design and manage the following capacity building programmes:

- Transfer Renewable Energy and Efficiency (TREE);
- Capacity Building on Integration of Large Amounts of Renewable Energy into Electricity Grids;
- Capacity Development on Renewable Energy and Grid Integration (CapREG);
- Green Banking – Capacity Building on Green Energy and Climate Finance (Green Banking)

These projects aim to build competences that help partner countries increase the use of renewable energies, reduce greenhouse gas emissions, improve energy security and generate value by stimulating the local economy and providing new jobs.

The key innovative feature of the TREE, ReGrid, CapREG and Green Banking programmes is their holistic approach and commitment to providing a long-term vision for the development of green energy markets. The integration of different regions, technologies and stakeholders along the value chain ensures that learning objectives are achieved in a sustainable manner.

In order to meet specific regional needs, the training is designed based on comprehensive Capacity Needs Assessments. The programmes include tailor-made training in the respective countries or at RENAC's Training Centre in Berlin, online training at RENAC Online and a mobile exhibition. Through networking activities and workshops the programmes also foster transregional cooperation and exchange.

### Sustainability, Replicability and Impact

So far, TREE, ReGrid, CapREG and Green Banking have attracted over 2,500 participants from over 110 countries worldwide. The projects promote the replication and dissemination of best practices, enabling participants to effectively apply and pass on the acquired know-how in their home country. TREE, ReGrid, CapREG and Green Banking also have a wider impact thanks to the great diversity of participants – including policy makers, engineers and technical staff, financiers and future trainers – who contribute to reshaping the future of green energy markets.



## PROJECT OVERVIEW

### Transfer Renewable Energy and Efficiency

#### TREE 2008 – 2013

TREE was a training project for professionals from the public sector and financing institutions. It offered training on technical, legal and economic aspects of renewable energy and energy efficiency. TREE was recognised as an official project of the “United Nations Decade of Education for Sustainable Development” programme by the United Nations Educational, Scientific and Cultural Organization (UNESCO).

**Reach:** 1,000 participants from over 110 countries

### Capacity Building on Integration of Large Amounts of Renewable Energy in Electricity Grids

#### ReGrid 2011 – 2014

ReGrid demonstrated how large amounts of renewable energy can be safely integrated into the national electricity supply. It was open to public and private decision-makers in the energy sector, as well as financial institutions, project developers and NGOs for whom the subject matter was relevant.

**Reach:** 650 participants from Algeria, Egypt, Jordan, Lebanon, Morocco, Libya and Tunisia

### Capacity Development on Renewable Energy and Grid Integration

#### CapREG 2014 – 2016

CapREG is a capacity building programme focusing on renewable energy and the grid integration of large amounts of fluctuating electricity generation. Directed at professionals from the public and private sector, CapREG promoted the creation of an enabling environment for the development of renewable energies.

**Reach:** From 2014 to 2016 over 1,200 scholarships were awarded to professionals from Indonesia, the Philippines, Thailand, Vietnam, Mexico, Peru and Ecuador.

#### CapREG participant, Ecuador:

*“The seminar allowed me to obtain proper knowledge to help the Ecuadorian authorities in decision making. This seminar has been one of my best professional experiences in 2015.”*

#### Green Banking participant, Vietnam:

*“The Green Banking Train-the-Trainer seminar offers great opportunities to learn both technical aspects of the green energy finance business and soft skills for trainers from excellent practitioners.”*

#### Certified ReGrid Manager (CRGM®) participant:

*“As an engineer in charge of power generation systems in the Directorate of Electricity, I am using the knowledge I gained through ReGrid to develop and update the national plan of power capacity reinforcement for the period 2015-2025.”*

#### Links

TREE: [www.renac.de/en/reference/reference/195-treetransfer-renewables-energy-and-efficiency-2008-2013.html](http://www.renac.de/en/reference/reference/195-treetransfer-renewables-energy-and-efficiency-2008-2013.html)

ReGrid: [www.renac.de/en/current-projects/regrid/brochures-for-download.html](http://www.renac.de/en/current-projects/regrid/brochures-for-download.html)

CapREG Website: [www.renac.de/en/current-projects/capreg.html](http://www.renac.de/en/current-projects/capreg.html)

CapREG Brochure: [www.renac.de/fileadmin/user\\_upload/Download/Projects/CapREG/CapREG-Broschuere\\_oV\\_en.pdf](http://www.renac.de/fileadmin/user_upload/Download/Projects/CapREG/CapREG-Broschuere_oV_en.pdf)

Green Banking: [www.renac.de/en/current-projects/green-banking.html](http://www.renac.de/en/current-projects/green-banking.html)

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