

# SUSTAINABLE ENERGY EDUCATION DEVELOPMENT (SEED) 2011–2013

## Finland Futures Research Centre

Location of the action: Lao PDR, Cambodia, Finland

Total costs of the project: 588 100 €

Funded by: Ministry for Foreign Affairs of Finland

Length of the project: 5/2011–12/2012

Project partners: National University of Laos (NUOL), Lao PDR; Institute of Technology of Cambodia (ITC), Cambodia; Tampere University of Technology (TUT), Finland; Tamlink Ltd, Finland

The overall objective of the project was to contribute to sustainable energy planning through improved energy related knowledge and expertise in the target countries, Laos and Cambodia. The purpose of the project was to enhance and promote sustainable energy education, research and development at the Faculty of Engineering at NUOL, and Department of Electrical and Energy Engineering at ITC. The identification of capacity building activities was guided by the objective to provide improved expertise relevant for both Cambodian and Laotian energy policies and labour markets, as well as to respond to the specific needs of NUOL and ITC. The project also supported the development of Bsc and Msc programs in renewable energy education in both universities. On top of these, the project also aimed to improve the teaching skills, administrative, organisational and intellectual skills of the university staff. Using the acquired knowledge and skills of teachers can foster the renewal of administrative structures and organisational activities.



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The project aimed in answering the needs identified by the partner organisations in discussions and evaluations of earlier FFRC capacity building projects implemented in 2009;

The Faculty of Engineering at NUOL:

- Development and enhancement of BSc programs in Renewable Energy
- Establishment of Energy Research and Training Centre
- Improvement of skills and capacity in research and development activities
- Assessment of the existing substance knowledge and pedagogical skills and improvement of teachers' skills
- Promotion of networking and cooperation with foreign institutions

Department of Energy Electrical Engineering at ITC:

- Development of Msc program Renewable Energy
- Improvement of substance knowledge, research skills, pedagogical skills and English language skills of the staff
- Launching a Energy Technology and Efficiency laboratory
- Promotion of networking and cooperation with foreign institutions

The project succeeded in improving the capacity of the partner institutions in energy education. It has also succeeded in the development of current curricula and pedagogical skills of teaching staff in both universities. Cooperation with NUOL, ITC and FFRC has continued actively in other FFRC projects.



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