

MODELS IN ENERGY SYSTEM DESIGN AND POLICY PLANNING (MODESPO) 2011–2012

Finland Futures Research Centre

Location of the action: Lao PDR, Cambodia, Finland

Total costs of the project: 208 200 €

Funded by: Ministry for Foreign Affairs of Finland and Nordic Development Fund

Length of the project: 8/2011–12/2012

Project partners: Tampere University of Technology (project leader), Institute of Technology of Cambodia (ITC), TAMLINK Ltd, Ministry of Industry, Mines and Energy in Cambodia (MIME), Electricite du Cambodge (EdC)

The MODESPO project was successfully carried out between August 2011 and December 2012. The aim of the project was capacity development at the ITC, so that the local staff would be able to train futures specialists for energy planning and modelling for the needs of ministries, organizations and companies. The target groups for capacity building were ITC staff, MIME staff, EdC staff and some other ministries and companies. The aim of the project was that the society at large would benefit from better energy planning and more informed decision making, concerning the future development of Cambodia's energy sector. In this way it also contributed to global climate change mitigation actions.



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The overall target of the project was to support sustainable development in Cambodia through capacity building in modelling methods and tools, and their use for analysing and planning energy systems and their influence on the society. Changes in availability of electricity or improved methods to use it will affect positively on socio-economic and industrial activities, as well as significantly adding up to local people's quality of life.

The main activities of the project were trainings in Cambodia and Finland (TUT). Topics included:

- methods and properties of power generation
- power distribution technology
- energy economics
- investment
- project management
- systems engineering
- energy system modelling
- national level energy planning

Besides these, also educational material and better equipment for ITC were purchased.

About 20 ITC staff members participated in the trainings, and eight of them also visited Finland and TUT for further capacity building. ITC staff members gained valuable skills in methods in the above subjects, as well as improved education materials. This knowledge will then be distributed to students and authorities in Cambodia, and will therefore enhance sustainable development as well as mitigation of and adaptation to climate change through improved energy planning in the country.



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