EEP Mekong

Energy and Environment Partnership with the Mekong Region (EEP Mekong) aims to increase access to sustainable, affordable and reliable energy through the deployment of clean energy application in Cambodia, Lao PDR, Myanmar, Thailand and Vietnam. The partnership's focus is on projects in all subjects of clean energy (renewable energy and energy efficiency), bridging the gap between a good project idea and a bankable project.

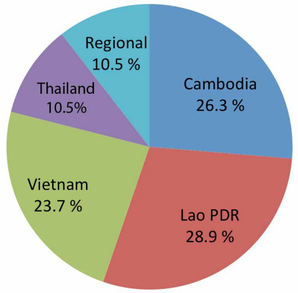
EEP Mekong Phase1 (2009-2014)

- Concluded in October 2014.
- Conducted four Calls for Proposals, received proposals for 432 national and regional projects.
- Funded 39 projects in clean energy application.
- The Ministry of Foreign Affairs for Finland (MFA) and Nordic Development Fund (NDF), jointly supported the Programme with a total budget of EUR 7.9 million.

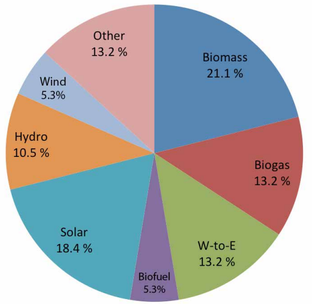
EEP Mekong Phase 2 (November 2014-2018)

- Aims to stimulate the clean energy market, thru business development and capacity building, as well as improved policy framework.
- Integrates Result-based Financing Mechanism and Human Rights-based Approach
- Promotes clean energy market deployment, aiming at larger size projects to achieve sustainable impacts.
- Targets project developers mainly from private sector, but also supporting Public-Private Partnerships (PPP) and public sector entities.
- MFA is the single donor for this phase with a total financial support of EUR 9.1 million.

Geographical distribution of all Calls



Projects by technology



Success stories

Starch Waste as clean energy source and better environment in Lao PDR

Thai Biogas Energy Company (TBEC) in partnership with Ligum, National University of Laos, and EEP Mekong, supported the installation of an industrial scale biogas plant, using wastewater from a cassava-fed starch factory to produce biogas as energy source for the factory, replacing coal as energy source to to dry starch.

This fuel substitution helps to mitigate global warming by reducing greenhouse gas emissions from the production process by 40,000 tons CO_2 per year, equivalent to the exhaust of 15,000 cars. For this reason, the project is registered under The United Nations Framework Convention on Climate Change (UNFCCC), issuing Carbon Credits for the Clean Development Mechanisms (CDM) programme.

In addition to the establishment of a clean energy source, the biogas project also improved the environmental management of the starch factory by completely removing the smell nuisance associated from anaerobic ponds, formerly used by the starch factory to purify their process wastewater.

The economic benefit from the biogas plant is from reduced energy costs for the starch factory, as the price of the generated biogas is considerably lower than using coal as energy source. Furthermore, the biogas plant generated full-time employment for eighteen qualified persons, required to operate and maintain the plant for the next fifteen years.

The contribution from the EEP Mekong programme is in improved techno-economic feasibility of the biogas plant, which was built by applying strict international quality and safety standards.

Clean energy in the education sector

Don Bosco technical school in Sihanoukville is one of the largest of its kind in Cambodia, and operates heavy mechanical equipment as a part of its vocational education program. The resulting energy demand, at the electricity price of 0.28 USD/kWh (among the highest in the Mekong region) became a significant financial burden for this non-profit institution.

Don Bosco, in cooperation with Kamworks a local clean energy supplier, and EEP Mekong, installed a 115 kWp roof mounted, grid-connected solar photovoltaic plant, producing the equivalent amount of electricity to the demand of 3,500 people in Cambodia. The energy savings resulted in the reduction of the school's annual electricity bill of around 50,000 USD. The Solar-PV plant, also reduces green house gas emissions of about 1,500 tonnes CO_2, equivalent to the carbon (CO_2) absorbed by 30,000 trees during 10 years.

EEP Mekong funds contributed to overcome the feasibility gaps facing solar grid-connected projects in Cambodia, due to the absence of feed-in tariff regulations.

More info: www.eepmekong.org

Follow the EEP Mekong website to:

- Receive information on upcoming Calls-for-Proposals
- Submit concept notes
- Apply for scale-up (for existing EEP projects)
- Check application criteria
- Subscribe to our e-newsletter
- Stay alert on up-coming events
- And many more

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EEP ENERGY AND ENVIRONMENT PARTNERSHIP / MEKONG

MINISTRY FOR FOREIGN AFFAIRS OF FINLAND

ENERGY AND ENVIRONMENT PARTNERSHIP WITH THE MEKONG REGION (EEP MEKONG)

Phase II, 2014-2018