



GERMANY AND INDONESIA
creativity in diversity

International Seminar

Renewable Energy for Sustainable Development of Indonesia and Germany (RESDIG)
Surabaya, 31 Oct – 4 Nov 2011

ABOUT THE EVENT

This is a two day seminar related to renewable energy (RE) development and two day field visit to RE project situated in East Java Province, Indonesia.

Simple exhibition will be presented during the event.

This event is organized in the context of German Week program and 51 years Anniversary of Institut Teknologi Sepuluh Nopember (ITS), Surabaya.

DAAD and GIZ are the main sponsor of the event.



Aim

- Understand current policy issues and program for RE and sustainable energy development
- Learn about the technical achievements on various RE energy technologies and needs for improvement
- Uncover various hidden barriers for RE energy project and market development
- Improve future energy project development, market penetration, management approaches, and initiative for cooperation
- Generate private investment, public-private partnership and generate awareness of banking sector on prospect for clean energy project financing
- German-Indonesia Cooperation issues related to RE education, research and development.

Background

Indonesia is currently facing a very tough economy and the challenge of increasing oil price. The demand for energy, particularly for oil, coal and gas, is ever increasing and will remain essential for the near future.

Furthermore, Indonesia is also actively engaging in environmental conservation to ensure sustainable development of the country. The President of the Republic of Indonesia, Dr. Soesilo Bambang Yudhoyono, in front of G-20 Forum at Pittsburgh – USA in 2009 committed to make a 26% cut in its greenhouse gas (GHG) emissions by 2020 (as against projections of business as usual "BAU" emissions). With the right level of international support – Indonesia can even cut 41% of its emissions, which would in turn deliver nearly 7 per-cent of the cuts called for by the Intergovernmental Panel on Climate Change (IPCC). These, has forced Indonesia to seek the opportunities of developing clean and sustainable energy program to respond to the Indonesia's energy challenges on one side, and environmental consideration on other side..

Through the cooperation and share experiences between Indonesia and Germany in renewable and sustainable energy can foresee a common future benefit. Scope of cooperation may include but not limited to energy conservation, improving energy efficiency and encouraging development of variety clean energy sources be it solar, biomass, and hydro.

At this a two-day workshop, which will be organized by DAAD alumni and facilitated by Institut Teknologi Sepuluh Nopember (ITS) at Surabaya, participants will have the opportunity to exchange and share their local wisdom, as well as their consideration for achieving future sustainable energy development.

The seminar is also expected to encourage dialogue among stakeholders, nations, government and private sectors to build trust and work together.

Who should participate

- Decision makers and administrators responsible for energy program and projects
- Experts related to Renewable Energy Technologies; e.g. biomass, small-hydro, solar PV & solar-thermal
- Energy system technologies Researches, Vendors, and Manufacturers
- Professional Association and related non-government organization (NGO)
- Engineering Procurement Construction (EPC) enterprises and RE System Integrators
- Project Directors, Planners and Project Engineers
- Project Developers and Project Owners.

SEMINAR HIGHLIGHT

The actual clean energy issues, in a broad sense, will be presented and discussed including, but not limited to:

- General National Energy Policies, Policy Measures and Regulations
- Biomass, biogas and biofuels resources
- Small hydro developments, covering: mini, micro and Pico hydro
- Solar Thermal and Photovoltaic system applications
- Manufacturing capacities, technology transfer and project financing



Prof. Joachim Luther



Prof. Joachim Mueller



Prof. Peter Adelmann



Prof. Eddy Yahya



Field Trip

- Seloliman is an agriculture village with green scenery and rice-field terrace. Participant will learn about two tiny micro-hydro plants that have been operated and managed in a sustainable manner by a community of Kalimaron (PKM) since 1994.

- Kebon Agung Sugarcane Factory (KACF) in Malang. Participant will learn how sugarcane is being processed and how the factory is able to run the process independently using the biomass waste generated from the process. KACF is a private firm and established in 1920.



- Indonesian Coffee and Cocoa Research Institute (ICCRI) in Jember. Participant will learn how cocoa and coffee being processed. Similar to KACF we will also see how the mixed renewable energy sources, i.e. solar-thermal, biomass, biofuel and biogas, are being used for the production process. Currently, CCRC has cooperation with Hohenheim University on biofuel



Speakers Profile

- The knowledgeable and well-known professionals at various RE fields; be it decision maker, expert, project developer, NGO and industry, will be invited to share their knowledge and experiences.

In addition, some outstanding professors are invited to address on specific issues. They are, among others:

- Prof. Joachim Luther
Chief Executive Officer (CEO), Solar Energy Research Institute of Singapore, National University of Singapore (Former CEO Fraunhofer ISE, Freiburg-Germany).
- Prof. Joachim Mueller
Director Institute for Agricultural Engineering in the Tropics and Subtropics, University of Hohenheim
- Prof. Peter Adelmann
University of Applied Science of Ulm (Former CEO of Phocos GmbH, Germany)
- Prof. Eddy Yahya
Thin film Solar Cell Research Group, Institut Teknologi Sepuluh Nopember (ITS), Surabaya

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