

ASEM Green IPP network Third Regional Workshop

Experiences of Green Independent Power Producers *Approaches in the international context*

25 September 2003

ECN, Amsterdam, The Netherlands

Introduction

The market for renewable energy in South East Asia is full of new opportunities. The electricity market structures are changing while at the same time, governments are establishing or strengthening their renewable energy policy, both for environmental reasons and to improve the energy trading position. Further, the international concern for climate change is generating new financing opportunities for world-wide investments in renewable energy. Private parties will play a crucial role in renewable energy implementation, from manufacture and supply to project development, investment, and exploitation. This workshop targets all those interested in international investments in renewable energy. Experts on renewable energy and international energy investment, both within the European and Asian market will present their experiences.

Topics to be discussed will cover three aspects:

- policies and market context
- project organisation and new financing opportunities
- technology and resources

Throughout the workshop, discussion sessions offer all workshop participants ample opportunity to exchange opinions on the applicability of these experiences and possible success factors in a broader context in Southeast Asia.

WORKSHOP PROGRAMME

9:00- 9:30 Registration

Opening

9:30 Opening, presentation web-discussion results

Mr. Dominik Möst, IIP Karlsruhe

Session 1: Policies and market context for green IPPs

9:50 Overview of developments in the SEA electricity market and policies – impacts on green IPPs

Dr. Guillermo R. Balce, Executive Director ASEAN Centre for Energy ACE

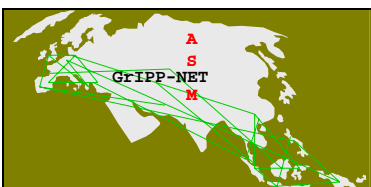
10:10 Overview of developments in the European electricity market and policies – impacts on green IPPs

Mr. Emiel van Sambeek, Researcher New and Renewable Energies, ECN

10:30 Discussion: Europe versus SEA, identification of main differences and similarities

10:50 Coffee Break





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Session 2: Project organisation and financing structures I

11:10 Experiences with financing project structures

Mr. Daan Dijk, Manager Sustainable Energy & Environmental Markets, Rabobank

11:30 Renewable energy for electrification: integrating options in planning tools based on the cases of Laos, Cambodia and Vietnam and the role of CDM in project financing

Ms. Anjali Shanker, Director IED

11:50 Investing in Renewable Energy projects, experiences at ADB.

Dr. Pim Kieskamp, freelance international consultant sustainable energy & climate change, former ADB Renewable Energy and Climate Change Specialist

12:10 Possibilities of the EC- ASEAN Energy Facility (EAEF) Programme

Mr. Pekka Skytta (EC Co-Director of EAEF) and Mr. Tjarinto S. Tjaroko (ASEAN Co-Director), Indonesia

12:30 Lunch

Session 2 continued: Project organisation and financing structures

13:30 The role of Post Johannesburg Agreements in stimulating renewable energy investments through Public Private Partnerships

Mr. Paul Hassing, Head of the Climate and Energy Division of the Netherlands Ministry of Foreign Affairs (DGIS DML/KM)

13:50 Discussion: challenges and chances for project organisation and financing of RE projects in ASEAN

Session 3: IPP experiences

14:20 Implementing a 40MW wind energy project in the Philippines

PNOC, Philippines

14:40 Pilot project for rural electrification using renewable energy in Xinjiang, China

Christophe Nappes project manager, EDF

15:00 Coffee break

15:20 Experiences of a Dutch IPP investing in Asia

(speaker not yet confirmed)

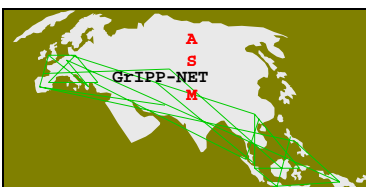
15:50 Discussion

Session 4: Discussion

16:00 Applicability of these experiences and possible success factors for Southeast Asia

17:00 End of the workshop





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Background to the speakers and presentations

Dominik Möst is project leader of the ASEM Green IPP network, and researcher at IIP, University of Karlsruhe, Germany.

Dr. Guillermo R. Balce is Executive Director at the ASEAN Centre for Energy (ACE). ACE is an intergovernmental organisation established by the Association of South West Asian Countries (ASEAN). The function of ACE is to initiate and coordinate regional as well as joint and collective activities on energy.

Emiel van Sambeek is an expert on policy for renewable energy, at the New and Renewable Energy Group of ECN Policy Studies, The Netherlands.

Daan Dijk is manager Sustainable Energy & Environmental Markets of Rabobank Netherlands. In January 2003, the Rabobank signed a contract with the Netherlands Ministry for Housing and Environmental Affairs to realise 10 million tonnes CO₂ reduction from projects in developing countries in which Rabobank will be involved as financier. Rabobank also participates in the Worldbank Prototype Carbon Fund. Using a case project, Daan Dijk will illustrate how investments in renewable energy fit in the Rabobank focus on worldwide Food and Agribusiness and marketing of sustainable financial services.

Dr. Pim Kieskamp is a freelance international consultant in renewable energy and climate change. Until July 2003, Pim Kieskamp worked as an International Technical Expert to the Asian Development Bank (ADB). The Asian Development Bank ADB carries out activities related to climate change, renewable energy and energy efficiency under the interdepartmental programme called Renewable Energy, Energy Efficiency and Climate Change abbreviated to REACH. This programme is supported by the Dutch, Danish and Canadian governments. Activities include capacity building for all stakeholders, and providing loans or grants to relevant projects.

Mrs. Anjali Shanker is director of IED, France, and has fifteen years experience in the design, economic analysis, and implementation of projects in the power sector in Asia and Africa. She has in recent times been particularly involved in issues regarding the financing and organisational structures of projects, focussing on private sector participation. She has developed a specific expertise on the energy – environment interface and particularly global environment financing issues. Anjali Shanker leads several projects in developing countries, of which the IRIS and REDEO projects will be discussed at the workshop.

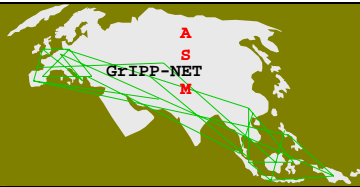
Christophe Nappez is project manager at EDF's R&D Division. The EDF Group is a global player in the energy market. The Group is active in 24 countries, including Argentina, Brazil, China, Egypt, Ivory Coast, Mexico, Morocco and South Africa. As an integrated energy company, EDF is involved in a range of energy activities from energy management (generation, trading, optimisation), transmission, distribution, supply, energy services and development. The EDF Group R&D programme is focused on renewable energies and future energy sources, tomorrow's products and services and network optimisation. The presentation will highlight EDF's role in the use of small-scale renewable energy systems in decentralised rural electrification in developing countries.

Mr. Pekka Skytta is EC Co-Director of the EC-ASEAN Energy Facility (EAEF) Programme. The EAEF Programme will provide technical and financial support for projects in the energy sector including renewable energy in ASEAN. The program is funded by the European Union.

Mr. Tjarinto S. Tjaroko is Head of Administration and Finance of the ASEAN Centre for Energy (ACE), Indonesia. He administers the EAEF programme as ASEAN Co-Director.

Paul Hassing is Head of the Climate and Energy Division of the Netherlands Ministry of Foreign Affairs (DML/KM). This Division develops and supports the Netherlands policy for sustainable development in developing countries from an energy and environmental perspective. During the World Summit on Sustainable Development, held in Johannesburg in 2002, explicit linkages were made between energy and poverty reduction. Following the Summit, several governments, including the government of The Netherlands, have committed themselves to increasing access to energy for poor people. It is expected that public private partnerships will play a major role to achieve the goals. In this presentation, Paul Hassing will inform the workshop participants on the Dutch and international actions and plans to stimulate renewable energy investments through public private partnerships.





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THE GREEN IPP NETWORK

This workshop is one of the activities of the Green IPP Network. This network has been set up to transfer experiences relevant for investments in renewable energy in South East Asia between experts in the fields of finance, project organisation, policy and market development, renewable energy technology and project implementation. The network focuses on investments by Independent Power Producers, supplying electricity from renewable sources to the grid.

Core members of the network are three European partners and three partners from Southeast Asia:

- IIP Karlsruhe, Germany; ACE, Indonesia
- ECN, The Netherlands CEERD, Thailand
- RISOE, Denmark UPSL, Philippines

Workshops

Two earlier workshops have been organised through the Green IPP Network. The first workshop, held in Thailand in October 2002, focussed on the current state of the art of renewable energy, renewable energy markets and policy in South-East Asia. The second workshop, in Denmark this Spring, presented European experiences and perspectives, and also reviewed business opportunities and market conditions for renewable energy in Southeast Asia. The third workshop, for which the invitation is attached, will take place in the Netherlands. This workshop has an international focus, with a strong emphasis on organisation and financing. The following workshop within the Network project will be linked to the 'Sustainable Energy in Asia' conference to be held in Singapore in November 2003.

Newsletter and website

Besides linking knowledge on all aspects of renewable energy implementation by bringing together experts and stakeholders physically in workshops, the Green IPP network has set up a newsletter and a website. The newsletter offers information on network activities, articles on RE technologies, policies, finance, and offers insights into the latest news. Further, the Green IPP Network website www.asem-greenippnetwork.net, has been established for virtual exchange of knowledge and expert opinions. The website offers network members a wealth of information relevant for renewable energy implementation in SEA

- organisation and finance,
- policy and markets,
- RE technology and potentials.

The website offers many types of information: databases, articles, fact sheets, discussion documents, links to the most relevant literature.

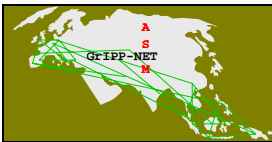
Discussion between experts

One of the upcoming network activities is a discussion between international experts on renewable energy investments. Hot topics and discussion points brought forward by experts in the fields of organisation and finance, policy and markets, RE technology and potentials. This discussion will take place in August 2003 on the Green IPP network website. Network members can also participate by email. The results of the discussion will be presented at the workshop in The Netherlands in September.

Become a member

If you are interested to join this discussion, or if you would like to receive the newsletter and have full access to the Green IPP network information, please register as a network member. Membership is free of charge. You can register at: www.asem-greenippnetwork.net





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Workshop 25 September 2003

Time: 09.00-17.00 hrs

Venue: Park Hotel, Amsterdam

How to register

Yes! Please register me for the **ASEM Green IPP Network** Third Regional Workshop.

Name:

Mr/Mrs/Ms _____

Position: _____

Company: _____

Address: _____

Country: _____

City: _____

Zip Code: _____

E-Mail: _____

Tel: _____

Fax: _____

Signature: _____

Date: _____

Admission is free of charge, but registration with this form is required.

You will receive a confirmation.

Please email or fax this response before 12 September 2003 to:

Cora Blankendaal; ECN Policy Studies secretariat; blankendaal@ecn.nl; fax: +31 224 56 8338.

Are you already a member of the **ASEM Green IPP Network**? Join at <http://www.asem-greenippnetwork.net/>

Hotel reservation

Do you want us to reserve a room for you at the Dikker & Thijs Fenice Hotel? We've negotiated a discounted room rate (€ 110,- for single room; € 135,- for double room including breakfast and all taxes per day) for a restricted number of workshop attendees if you book through us.

Yes, for _____ persons from _____ to _____ Time of arrival: _____

Method of payment for the hotel in Amsterdam: Cash Credit Card

Credit card information is also needed to guarantee hotel reservations. Please fill in the following information:

Credit Card Type: _____

Name as appears on card: _____

Credit Card Number: _____

Expiration date: _____

No thanks.

Please note that in order to apply for the discounted rate your reservation must be confirmed **before 3 September 2003**.

Cancellation: Please note that you will be charged an international cancellation rate, if you cancel your reservation after 3 September. All cancellations must be done in writing (fax or e-mail).

Hotel information

Dikker & Thijs Fenice Hotel
Prinsengracht 444
NL-1071 KE AMSTERDAM

Tel.: +31-20 620 12 12
Fax: +31-20 625 89 86

E-mail: info@dtfh.nl
Internet: <http://www.dtfh.nl/>