



Working Group on Capacity Building

Study Tour for Capacity Building

3rd Bioenergy Week

Indonesia, Medan (Sumatera)

Santika Premiere Hotel & Convention, 25-29 May 2015

Agenda

Hosted by:



Government of Indonesia

Supported by and in cooperation with:



GREATER MEKONG
SUBREGION
CORE AGRICULTURE
SUPPORT PROGRAM

GBEP Working Group on Capacity Building (WGCB)
Study tour for capacity building and training (Activity Group 3)

Agenda for the 3rd "Bioenergy Week"

Indonesia, Medan, Santika Premiere Hotel & Convention 25-29 May 2015

Monday 25 May 2015	Tuesday 26 May 2015	Wednesday 27 May 2015	Thursday 28 May 2015	Friday 29 May 2015
<p>OPENING Welcome Speeches</p> <p align="center">***</p> <p>Bioenergy development and regulatory frameworks in Asia</p> <p>State of the art, challenges and lessons learned</p>	<p>ECONOMIC SUSTAINABILITY: Increasing energy security and energy access</p> <p align="center">***</p> <p>Speakers will be invited to make cross cutting references to relevant best practices (e.g. biogas practices, clean cooking solutions, etc.)</p>	<p align="center">FIELD VISIT</p>	<p>ROUNDTABLE discussions among policy makers, business sector and international banks/funds</p> <p align="center">***</p> <p>1. Introductory session: Development opportunities in Asia</p> <p>2. Advanced biofuels</p>	<p>CONCLUSIONS</p> <p>1. Wrap up messages</p> <p>2. Discussion "How GBEP can contribute"</p> <p>3. Concluding remarks</p>
<p align="center">Lunch</p>	<p align="center">Lunch</p>	<p align="center">Lunch</p>	<p align="center">Lunch</p> <p>Thematic tables:</p> <ul style="list-style-type: none"> - Technology cooperat. - Regulatory framework - Sustainability 	<p align="center">Lunch</p>
<p>SOCIAL SUSTAINABILITY: smallholder involvement and development opportunities</p> <p align="center">***</p> <p>Speakers will be invited to make cross cutting references to sustainability indicators (e.g. food security, job opportunities, gender aspects, land tenure, etc.)</p>	<p>ENVIRONMENTAL SUSTAINABILITY: Mitigation and opportunities</p> <p align="center">***</p> <p>Speakers will be invited to make cross cutting references to sustainability indicators (e.g. GHG, biodiversity, water, soil, etc.)</p>	<p align="center">FIELD VISIT</p>	<p>ROUNDTABLE discussions among policy makers, business sector and international banks/funds (con't)</p> <p align="center">***</p> <p>3. Sugarcane based ethanol opportunities</p> <p>4. Project financing</p>	

Monday, 25 May 2015

- 09.00 – 09.30 **Registration of participants**
- 09.30 – 09.35 **Singing Indonesian Anthem – Indonesia Raya**
- 09.35 – 09.50 **Opening Dance**
- 09.50 – 10.30 **Opening Session and Welcome Speeches**
Introduction: Dr. Maria Michela Morese, GBEP Executive Secretary
- Welcome remarks*
- *R. Sabrina*, Assistant to the Governor for North Sumatra Province
 - *Rodrigo Andrade Cardoso*, Embassy of the Federative Republic of Brazil
- Opening remarks*
- *Tisnaldi*, Ministry of Energy and Mineral Resources of Indonesia
 - *Dr. Nani Hendiarti*, Assistant to the Deputy Coordinating Minister for Maritime Affairs
- 10.30 – 10.45 **Photo Session**
- 10.45 – 11.10 **Networking coffee break**
- 11.10 – 12.30 **Bioenergy development and regulatory frameworks in Asia**
Chair: Dr Yandra Arkeman, Surfactant Bioenergy Research Center (SBRC)
- From the IEA global vision for bioenergy to regional and local strategies to accelerate deployment, *Keisuke Sadamori, IEA Director for Energy Markets and Securities*
 - Bioenergy regulatory frameworks in Asia – An overview, *Rosemarie Gumera, Philippine Sugar Regulatory Administration*
 - Bioenergy development in Indonesia, *Edi Wibowo, Ministry of Energy and Mineral Resources, Indonesia*
 - The role of bioenergy in India, *Sunil Dhingra, TERI, India*
 - Biomass Town Plan. The experience of Japan in ASEAN countries, *Takashi Hayashi, Ministry of Agriculture, Forestry and Fisheries, Japan*
- 12.30 – 14.00 **Lunch break**

14.00 – 15.30 **SOCIAL SUSTAINABILITY - Smallholder involvement and development opportunities**

Chair: Andrea Rossi, FAO

- Positive impact on bioenergy power plant development for local community in Indonesia, *Thomas Wagner, PT Austindo Aufwind New Energy, and Wira, PT Bhakti Mukti Bukti, Indonesia*
- Community involvement in Indonesia Domestic Biogas Programme, *Lina Moeis, Executive Director Yayasan Rumah Energi (YRE), Indonesia*
- Rice husk for bioenergy, biochar and food security enhancement, *Dr. Chan Saruth, Director of Department of Agricultural Engineering, Ministry of Agriculture Forestry and Fisheries, Cambodia*

15.30 – 16.00 **Coffee break**

16.00 – 17.30

- Rising public awareness: promises beyond the dreams, *Dr. Ahmed Abdelati, Ministry of Agriculture and Land Reclamation, Egypt*
- Smallholder involvement and development opportunity, *Mansuetus Darto, National Coordinator of Oil Palm Smallholders Union, Indonesia*
- Bioenergy development opportunity in sustainable agriculture, *Harry Hanawi, Partnership for Indonesia Sustainable Agriculture (PISAgro)*

19.00 – 21.00 **Gala dinner**

Tuesday, 26 May 2015

09.00 – 10.30 **ECONOMIC SUSTAINABILITY - Increasing energy security and energy access**

Chair: Do Trong Hieu, Viet Nam

- Biofuels from palm oil competitiveness Issue, *Paulus Tjakrawan, Association of Biofuel Producers, Indonesia*

- Improved cookstoves. The experience in Lao PDR, *Lattana Phaxaysombath, Director of Agriculture Extension and Cooperative, Ministry of Agriculture, Lao PDR*
- Biofuel development in Viet Nam, *Do Trong Hieu, Ministry of Industry and Trade, Viet Nam*
- Increasing energy security and access. The experience in India, *Sunil Dhingra, TERI, India*

10.30– 11.00 **Coffee break**

11.00 –12.30

- Energy efficiency measures and biogas optimization at palm oil mills for increased power generation, *Rafael Wiese, GIZ*
- Biogas for domestic and industrial uses: the experience of CIBiogás-ER and ITAIPU in Brazil, *Marcelo Alves de Sousa, CIBiogás-ER, Brazil*
- New logistic systems for biomass production. The Italian experience, *Luigi Pari, Agricultural Research Council, Italy*
- Clean Cooking Fuels - Driving Investment, Awareness and Scale, *Seema Patel, Global Alliance for Clean Cookstoves (GACC)*

12.30 – 14.00 **Lunch break**

14.00 – 15.30 **ENVIRONMENTAL SUSTAINABILITY - Mitigation and opportunities**

Chair: Shabbir H. Gheewala, Thailand

- Palm oil biodiesel in Indonesia, *Ms. Delima Asri, Indonesia Palm Oil Board*
- Sustainable Agriculture with biofertilizers and organic fertilizers by smallholder farmers in Thailand, *Nongkran Maneewon, Ministry of Agriculture and Cooperative, Thailand*
- Efficient use of bioslurry from biogas systems in Viet Nam, *Nguyen The Hinh, Deputy Director General of Agriculture Project Management Board, Minsitry of Agriculture and Rural Development, Viet Nam*

15.30 – 16.00 **Coffee break**

16.00 – 17.30

- Implications on water of biofuels policy mandate in Thailand, *Shabbir H. Gheewala, University of Technology Thonburi, Bangkok, Thailand*
- Development of regional bioenergy sustainability indicators, *Dr. Udin Hasanudin, University Lampung, Indonesia*
- Energy forest development in Indonesia, *Dr. Yetti Rusli, Ministry of Environment and Forestry, Indonesia*
- Sustainability Practices for Integrated Biorefineries, *Dr. Helena Chum, National Renewable Energy Laboratory (NREL), US DoE*

Wednesday, 27 May 2015 – FIELD VISIT to the PT Growth Asia (Bioenergy Power Plant located in Medan) and Biogas Power Plant at Pagar Merbau Palm Oil Mill.

Thursday, 28 May 2015 – ROUND TABLE DISCUSSION among policy makers, business sector and international banks/funds

09.00 – 09.45 Introductory session – DEVELOPMENT OPPORTUNITIES IN ASIA

Moderator: Simone Landolina, IEA

- An overview on advanced biofuels development in the world, *Simone Landolina, IEA*
- Bioenergy potential development from agricultural sector, *Badan Penelitian, Indonesia Agency for Agricultural Development and Research*

09.45 – 12.30 Round table – ADVANCED BIOFUELS

Moderators: Gerard Ostheimer, SE4All Bioenergy Lead, Novozymes and Maria Michela Morese, GBEP Executive Secretary

- An overview on international discussions on aviation biofuels, *César Velarde, ICAO*
- Updates on the implementation of advanced biofuels, *PT Pertamina*
- Sustainable aviation fuel: a development and achievement overview in Malaysia, *Kann-Ern Liew, Might/AMIC and Jean Marc Roda, CIRAD*
- The utilization of advanced biofuels in the aviation sector, *Capt. Novianto Herupratomo, Garuda Indonesia*

11.00 – 11.15 Coffee break

- *Pierluigi Picciotti, Beta Renewables*
- *Bas Melssen, Novozymes*
- *Paul Twine, NexSteppe*
- *Juan Barcala, Abengoa*
- *Adrian Suharto, Neste Oil*

12.15 – 13.00 Participants (divided in groups/tables) will engage in an open discussion regarding “coordinated actions towards sustainable advanced biofuel development in the region”. This round table discussion will aim to develop a short list of opportunities; challenges; and coordinated actions to exploit opportunities and address challenges.

13.00 - 15.00 Lunch break

Participants will be divided in different thematic tables to separately discuss the following themes:

1. Technology Cooperation

Moderator: Simone Landolina, IEA

Moderator: Pierluigi Picciotti, Beta Renewables

Moderator: Bas Melssen, Novozymes

2. Regulatory Frameworks

Moderator: Rosemarie Gumera, Philippines

Moderator: Gerard Ostheimer, SE4All Bioenergy, Novozymes

3. Bioenergy Sustainability

Moderator: Helena Chum, NREL, US DoE

Moderator: Adrian Suharto, Neste Oil

Moderator: Andrea Rossi, FAO

15.00 – 16.00 Round table – SUGARCANE BASED ETHANOL OPPORTUNITIES

Moderator: Rosemarie Gumera, Philippine Sugar Regulatory Administration

- Bioethanol Development Opportunity in Indonesia, *Untung Murdiyatmo, ASENDU, Indonesia*
- Sugarcane based ethanol production. The experience in the Philippines, *Rosemarie Gumera, Philippine Sugar Regulatory Administration*
- *Q&A - Challenges and positive experiences*

16.00 – 16.30 Coffee break

16.30 – 18.00 Round table – PROJECT FINANCING

Moderator: Pjotr Schade, Everest Energy Group

Participants will be guided through the various steps for project development and financing. A case study will also be presented.

- How to best develop a project
- How to finance a project
- Indonesian biofuels sector with regards to GHG emissions, *Nazir Foad, Climate and Land Use Alliance Indonesia*

Friday, 29 May 2015

09.00 – 10.20 Conclusions - Main messages of the Bioenergy Week and the role of GBEP to exploit opportunities and address challenges

Moderator: Maria Michela Morese, GBEP Executive Secretary

- **Bioenergy development and regulatory frameworks in Asia**
- **SOCIAL SUSTAINABILITY - Smallholder involvement and development opportunities**
- **ECONOMIC SUSTAINABILITY - Increasing energy security and energy access**
- **ENVIRONMENTAL SUSTAINABILITY - Mitigation and opportunities**

Andrea Rossi, FAO

- **ROUNDTABLES
Advanced biofuels**

Gerard Ostheimer, SE4All Bioenergy Lead, Novozymes

Sugarcane based ethanol opportunities

Rosemarie Gumera, Philippine Sugar Regulatory Administration

Project financing

Pjotr Schade, Everest Energy Group

• **THEMATIC TABLES**

Technology Cooperation

Pierluigi Picciotti, Beta Renewables

Regulatory Frameworks

Gerard Ostheimer, SE4All Bioenergy, Novozymes

Bioenergy Sustainability

Helena Chum, NREL USDoE

Adrian Suharto, Neste Oil

Andrea Rossi, FAO

10:20 – 10.30

Closing remarks

- *Tisnaldi, Ministry of Energy and Mineral Resources, Indonesia*
- *Dr. Maria Michela Morese, GBEP Executive Secretary*

10:30

Coffee break

13.00 – 14.00

Lunch