



Working Group on Capacity Building

Study Tour for Capacity Building

3rd Bioenergy Week

Indonesia, Medan (Sumatera)

Santika Premiere Dyandra Hotel, 25-29 May 2015

Tentative 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)

Tentative Agenda for the 3rd "Bioenergy Week"
Indonesia, Medan (Sumatera), Santika Premiere Dyandra Hotel 25-29 May 2015

Monday 25 May 2015	Tuesday 26 May 2015	Wednesday 27 May 2015	Thursday 28 May 2015	Friday 29 May 2015
OPENING Welcome Speeches *** Bioenergy development and regulatory frameworks in Asia State of the art, challenges and lessons learned	ECONOMIC SUSTAINABILITY: Increasing energy security and energy access *** Speakers will be invited to make cross cutting references to relevant best practices (e.g. biogas practices, clean cooking solutions, etc.)	FIELD VISIT	ROUNDTABLE discussions among policy makers, business sector and international banks/funds *** 1. Introductory session: Development opportunities in Asia 2. Advanced biofuels	CONCLUSIONS 1. Wrap up messages 2. Discussion "How GBEP can contribute" 3. Concluding remarks
Lunch	Lunch	Lunch	Lunch Thematic tables: - Technology cooperat. - Regulatory framework - Sustainability	Lunch
SOCIAL SUSTAINABILITY: smallholder involvement and development opportunities *** Speakers will be invited to make cross cutting references to sustainability indicators (e.g. food security, job opportunities, gender aspects, land tenure, etc.)	ENVIRONMENTAL SUSTAINABILITY: Mitigation and opportunities *** Speakers will be invited to make cross cutting references to sustainability indicators (e.g. GHG, biodiversity, water, soil, etc.)	FIELD VISIT	ROUNDTABLE discussions among policy makers, business sector and international banks/funds (con't) *** 3. New sugarcane based ethanol technologies 4. Project financing	

Monday, 25 May 2015

09.00 – 09.30 **Registration of participants**

09.30 – 09.35 **Singing Indonesian Anthem – Indonesia Raya**

09.35 – 10.15 **Opening Session and Welcome Speeches**

Moderator: Maria Michela Morese, GBEP Executive Secretary

- GBEP Chair, *Italy*
- GBEP co-Chair, *Mariangela Rebuá, Brazil*
- Governor for North Sumatra Province
- Permanent Representative of FAO to Indonesia, *Mark Smulders*
- Coordinating Minister for Maritime Affairs and Fisheries of Indonesia, *H.E. Indroyono Soesilo*

10.15 – 10.30 **Photo Session**

10.30 – 11.00 **Networking coffee break**

11.00 – 12.30 **Bioenergy development and regulatory frameworks in Asia**

Chair: Rida Mulyana, Ministry of Energy and Mineral Resources, Indonesia

- 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*
- The role of bioenergy in Indonesia, *Dadan Kusdiana, Ministry of Energy and Mineral Resources, Indonesia*
- The role of bioenergy in India, *V.K.Jain, Ministry of New and Renewable Energy, India*
- Biomass Town Plan. The experience of Japan in ASEAN countries, *Takashi Hayashi, Ministry of Agriculture, Forestry and Fisheries, Japan*
- The ADB programme on regional cooperation on biomass based bioenergy and food security in the Greater Mekong Subregion. The ADB role for the SE4All regional hub, *Asian Development Bank (ADB)*

12.30 – 14.00 **Lunch break**

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

Chair: Andrea Rossi, FAO

- Community Involvement in Indonesia Domestic Biogas Programme, *Lina Meuthia Moeis, Yayasan Rumah Energi, 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*
- Energy self-sufficient villages from biogas practices in China, *Xiaoying Kong, Guangzhou Energy Conversion Institute of the Chinese Academy of Science, China*
- Rising public awareness: promises beyond the dreams, *Dr. Ahmed Abdelati, Ministry of Agriculture and Land Reclamation, Egypt*

15.30 – 16.00 **Coffee break**

16.00 – 17.30

- *Mansuetus Darto, National Coordinator of Oil Palm Smallholders Union*
- *Partnership for Indonesia Sustainable Agriculture (PISAgri)*
- *Representative from GIZ*

Tuesday, 26 May 2015

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

Chair: Representative from Nepal

- Biofuels form 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*
- Increasing energy security and access. The experience in India, *Sunil Dhingra, TERI, India*
- Biogas practices in Ethiopia, *Nadew Tadele, Ministry of Water and Energy, Ethiopia*
- Energy efficiency measures and biogas optimization at palm oil mills for increased power generation, *Rafael Wiese, GIZ*

10.30– 11.00	Coffee break
11.00 –12.30	<ul style="list-style-type: none"> • Biogas and biomass practices in Nepal, <i>Ram Prasad Dhital, Ministry of Science, Technology and Environmmnet, Nepal</i> • Recent improvements in cooking solutions in Asia, <i>Seema Patel, GACC</i> • Biogas for domestic and industrial uses: the experience of CIBiogás-ER and ITAIPU in Brazil, <i>Rodrigo Regis and Marcelo Alves de Sousa, CIBiogás-ER, Brazil</i> • New logistic systems for biomass production. The Italian experience, <i>Luigi Pari, Agricultural Research Council, Italy</i>
12.30 – 14.00	Lunch break
14.00 – 15.30	<p>ENVIRONMENTAL SUSTAINABILITY - Mitigation and opportunities</p> <p><i>Chair: Representative from Thailand or Viet Nam</i></p> <ul style="list-style-type: none"> • Indonesia Domestic Biogas Programme. Contribution to reduce GHG Emission, <i>Agi S. Cakradirana, IDBP Deputy Programme Manager, Hivos Regional office Southeast Asia</i> • Palm oil biodiesel in Indonesia, <i>Ms. Delima Hasri, Indonesia Palm Oil Board</i> • Replacing fossil-fuel based energy with bioenergy through use of biofertilizers by smallholder farmers, <i>Nakorn Limpacuptathavon, Ministry of Agriculture and Cooperative, Thailand</i> • Efficient use of bioslurry from biogas systems in Viet Nam, <i>Nguyen The Hinh, Deputy Director of Agriculture Project Management Board, Minsitry of Agriculture and Rural Development, Viet Nam</i> • The Brazilian experience, <i>Suani Coelho, USP, Brazil</i>
15.30 – 16.00	Coffee break
16.00 – 17.30	<ul style="list-style-type: none"> • Implications on water of biofuels policy mandate in Thailand, <i>Shabbir H. Gheewala, University of Technology Thonburi, Bangkok, Thailand</i>

- Development of regional bioenergy sustainability indicators, *Dr. Udin Hasanudin, University Lampung, Indonesia or Fahmudin Agus, Indonesia*
- Energy Forest Development in Indonesia, *Yetie, 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)

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 Landonlina, IEA

- An overview on advanced biofuels development in the world, *Adam Brown, IEA*
- *Ministry of Agriculture of Republic of Indonesia*

09.45 – 12.30 Round table – ADVANCED BIOFUELS

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

- An overview on international discussions on aviation biofuels, *César Velarde, ICAO*
- *Amadeus Pribowo, Indonesian International Institute of Life Sciences*
- PT Pertamina
- Airbus
- KLM
- Garuda Indonesia

10.25 – 10.50 Coffee break

- *Pierluigi Picciotti, Beta Renewables*

- *Anna Rath, NexSteppe*
- *Juan Barcala, Abengoa*
- *Adrian Suharto, Neste Oil*

11.30 – 12.30 Participants (divided in groups/tables or in plenary) 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.

12.30 - 14.30 Lunch break

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

1. Technology Cooperation

Moderator: Adam Brown/Simone Landolina, IEA

Moderator: Pierluigi Picciotti, Beta Renewables

2. Regulatory Frameworks

Moderator: Rosemarie Gumera, Philippines

Moderator: Representative from Indonesia or Gerard Ostheimer, SE4All Bioenergy, Novozymes

3. Bioenergy Sustainability

Moderator: Khoo Hock Aun, RSB

Moderator: Adrian Suharto, Neste Oil

14.30 – 16.00 Round table – NEW SUGARCANE BASED ETHANOL TECHNOLOGIES

Moderator: Flávio Castelar, APLA/APEX

- Bioethanol Development Opportunity in Indonesia, *PT Indonesia Ethanol*
- Sugarcane based ethanol production. The experience in the Philippines, *Rosemarie Gumera, Philippine Sugar Regulatory Administration*
- *Representative from Brazil*

Participants (divided in groups/tables or in plenary) will engage in an open discussion to develop a short list of challenges and positive experiences in terms of sugarcane based ethanol production. This discussion will aim to guide participants through the steps to improve sugarcane based ethanol production in terms of technologies available.

16.00 – 16.30 Coffee break

16.30 – 18.00 Round table – PROJECT FINANCING

Moderators: Pjotr Schade, Everest Energy Group, and Representative from ADB

Participants will be guided through the various steps for project development and financing. Case studies 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*
- ADB experience in investment projects on biogas, *Representative from ADB*

Friday, 29 May 2015

09.00 – 10.45 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**
Rida Mulyana, Ministry of Energy and Mineral Resources, Indonesia
- **SOCIAL SUSTAINABILITY - Smallholder involvement and development opportunities**
Andrea Rossi, FAO
- **ECONOMIC SUSTAINABILITY - Increasing energy security and energy access**
Representative from Nepal
- **ENVIRONMENTAL SUSTAINABILITY - Mitigation and opportunities**
Representative from Thailand or Viet Nam
- **ROUNDTABLES**
 - Development opportunities in Asia**
Simone Landonlina, IEA
 - Advanced biofuels**
Gerard Ostheimer, SE4All Bioenergy Lead, Novozymes
 - New sugarcane based ethanol technologies**
Flávio Castelar, APLA/APEX
 - Project financing**
Pjotr Schade, Everest Energy Group, and Representative from ADB

10:45 – 11:15 Coffee break

11.15 – 12.00	Conclusions (con't) <ul style="list-style-type: none"> • THEMATIC TABLES <p>Technology Cooperation <i>Adam Brown/Simone Landolina, IEA</i> <i>Pierluigi Picciotti, Beta Renewables</i></p> <p>Regulatory Frameworks <i>Rosemarie Gumera, Philippines</i> <i>Representative from Indonesia or Gerard Ostheimer, SE4All Bioenergy, Novozymes</i></p> <p>Bioenergy Sustainability <i>Khoo Hock Aun, RSB</i> <i>Adrian Suharto, Neste Oil</i></p>
12:00 – 12.30	Closing remarks <ul style="list-style-type: none"> • <i>Rida Mulyana, Ministry of Energy and Mineral Resources, Indonesia</i> • <i>Mariangela Rebuá, GBEP co-Chair, Director General at the Ministry of External Relations, Brazil</i> • <i>Maria Michela Morese, GBEP Executive Secretary</i>
12.30 – 14.00	Lunch