



7th Bioenergy Week and Study Tour for Capacity Building

Philippines, Manila

Philippine International Convention Center (PICC)

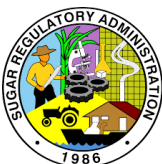
Cultural Center of the Philippines Complex, Roxas Boulevard,

Pasay City, Metro Manila

25-27 June 2019

Concept note and agenda

Hosted by:



In Collaboration with:



Supported by and in cooperation with:



**Food and Agriculture
Organization of the
United Nations**

1. Background

The 7th Bioenergy Week of the Global Bioenergy Partnership (GBEP) will be held in Manila, Philippines, from 25 to 27 June 2019.

GBEP has been holding the GBEP Bioenergy Weeks since 2013, with the first one held in Brazil, followed by the second in Mozambique in 2014, the third edition in Indonesia in 2015, and the fourth Bioenergy Week in Budapest in June 2016. The GBEP Working Group on Capacity Building (WGCB), under the co-leadership of ECOWAS and Argentina, have stressed the enormous added value of this first cycle of regional events in terms of capacity building and information sharing, and expressed the willingness and need to continue this activity with a second cycle of regional Bioenergy Weeks. As such, the fifth Bioenergy Week was held in the ECOWAS region, in Ghana in 2017, and the sixth in Argentina in 2018.

The 2019 Bioenergy Week will enhance learning from positive experiences on sustainable production and use of bioenergy integrated within food production value chains, to support the design and implementation of bioenergy policies in Asia and the Pacific. Furthermore, it will provide the opportunity to continue a dialogue with the private sector and other stakeholders on ways to improve mutual cooperation towards a more sustainable production and use of bioenergy.

2. Objectives

The 2019 Bioenergy Week is organized to foster discussion and exchange of experiences and skills that have been proven to showcase the practicality of sustainable bioenergy services and to support its accelerated implementation in Asia and the Pacific. It will serve as an avenue for strengthening cooperation between member states and established institutions for increasing the provision of sustainable energy services.

Specifically, the Forum aims to:

- Demonstrate the state of global and regional bioenergy, policies and regulations;
- Present the state of the regional bioenergy situation and efforts to further enhance the share of bioenergy within the regional energy mix;
- Discuss successful, replicable bioenergy systems that provide sustainable modern energy services;
- Showcase available technologies, R&D, feedstocks and financial instruments of partners and investment firms; and
- Provide a platform to the private sector in order to facilitate a viable bioenergy market in the region.

GBEP Working Group on Capacity Building (WGCB)

**Study tour for capacity building and training (Activity Group 3)
Agenda for the 7th Bioenergy Week**

25 June 2019	26 June 2019	27 June 2019
<p align="center">OPENING Welcome speeches</p> <p align="center">***</p> <p>Global, regional and national policies</p> <p>State of the art, challenges and lessons learned</p>	<p align="center">BIOGAS & WASTE TO ENERGY Exchange of experiences and opportunities for feedstocks, technologies and investments.</p> <p>Speakers will be invited to make cross cutting references to sustainability and to value chains approaches, challenges and opportunities.</p> <p align="center">***</p> <p align="center">ADVANCED BIOFUELS Exchange of experiences and opportunities for feedstocks, technologies and investments.</p> <p>Speakers will be invited to make cross cutting references to sustainability and to value chains approaches, challenges and opportunities.</p>	<p align="center">Field Visit</p>
<p align="center">Lunch</p>	<p align="center">Lunch</p>	<p align="center">Lunch</p>
<p align="center">LIQUID BIOFUELS Exchange of experiences and opportunities for feedstocks, technologies and investments.</p> <p>Speakers will be invited to make cross cutting references to sustainability and to value chains approaches, challenges and opportunities.</p>	<p align="center">ROUNDTABLE DISCUSSION WITH POLICY MAKERS, BUSINESS SECTOR AND INTERNATIONAL BANKS/FUNDS</p> <p align="center">***</p> <p align="center">KEY MESSAGES AND CONCLUSIONS</p>	<p align="center">Field Visit (cont'd)</p>
<p align="center">Reception</p>		

- 08.30 – 09.00 **Registration of participants and welcome coffee**
- 09.00 – 10.00 **Opening and Welcome Remarks**
- *Assistant Secretary Robert B Uy*, Department of Energy, Philippines
 - *Tamara Palis-Duran*, Assistant Representative of Food and Agriculture Organization of the United Nations (FAO) in the Philippines
 - *Sérgio Taam*, Chargé d'Affaires, Embassy of the Federative Republic of Brazil in the Philippines – Brazil Co-Chair of the Global Bioenergy Partnership (GBEP)
- 10.00 – 10.15 **Photo Session**
- 10.15 – 10.45 **Networking coffee break**
- 10.45 – 12.45 **Global, regional and national policies**
Moderator: Suani Coelho, University of Sao Paulo (USP), Brazil
- **Legislator's perspective on the global trends on bioenergy and National RE and Bioenergy Policy and Regulatory Framework**
Senator Sherwin T. Gatchalian, Chairman Senate Committee on Energy, Senate of the Philippines
 - **Bioenergy regulatory frameworks in Asia**
Nestor Arcansalin, Director of the Board of Investments, Department of Trade and Industry, the Philippines
 - **Bioenergy regulatory frameworks in Africa**
Rashid Ali Abdallah, Executive Director, AFREC/African Union (pre-recorded presentation)
 - **Bioenergy regulatory frameworks in the EU**
Giulio Volpi, D.G. Energy, European Commission (pre-recorded presentation)
 - **International Energy Agency (IEA) global vision for bioenergy to regional and local strategies to accelerate deployment**
Simone Landolina, International Energy Agency (IEA)
 - **Bioenergy and the Global Energy Transition**
Toshimasa Masuyama, International Renewable Energy Agency (IRENA)
 - **The contribution of the Global Bioenergy Partnership (GBEP)**
Maria Michela Morese, Executive Secretary, GBEP
- 12.45 – 14.00 **Lunch**

- 14.00 – 15.30 **Exchange of experiences and opportunities on liquid biofuels**
Moderator: Atty. Jose Layug, Developers of the Renewable Energy for AdvanceMent, Inc. (DREAM)
- The experience in Indonesia
H.E. Musdhalifah Machmud, Deputy Minister for Food and Agriculture, Coordinating Ministry of Economic Affairs, Indonesia (pre-recorded presentation)
 - The experience in the Philippines
Mateo Lorenzo, Ethanol Producers Association of the Philippines (EPAP)
Rafael Diaz, President, Asian Institute of Petroleum Studies, Philippines
 - The Thailand Experience
Thibodee Harnprasert, President, Society of Automotive Engineers of Thailand
 - The experience in Brazil
Eduardo Leão, Executive Director of UNICA, Brazil
Flavio Castelar, APLA, Brazil
 - *Q&A session*
- 15.30 – 16.00 **Coffee break**
- 16.00 – 17.00 **Exchange of experiences and opportunities on liquid biofuels (cont'd)**
- Best cases form Argentina
Miguel Almada, Director of Bioenergy, Secretariat of Agroindustry, Argentina (pre-recorded presentation)
 - The experience of Thailand,
Shabbir H. Gheewala, King Mongkut's University of Technology Thonburi, Thailand
 - Asia Biofuels Market Progression
Paul C W Roberts, Alcotra Singapore Pte Ltd
 - *Q&A session*
- 17.30 – 21.00 **Reception kindly hosted by Novozymes**

09.00 – 10.30 **Exchange of experiences and opportunities on biogas, biomethane and waste-to-energy**

Moderator: Dr. Bernardo D. Tadeo, President Full Advantage Phils. International, Inc.

- The experience in the Philippines
Mary Rose Omega, FDR Integrated Resource Recovery Management Inc., Naga City, Cebu
- The experience of Viet Nam
Dr. Pham Quang Ha, Vietnam Academy of Agricultural Sciences (VAAS)
- The experience of German Development Cooperation on the Panay Island
Dr. Klaus Schmitt, GIZ, Germany
- Exploring constraints for the further expansion of biogas systems in Japan
Dr. Masayasu Asai, Policy Research Institute, Ministry of Agriculture, Forestry and Fisheries (MAFF), Japan
- The experience in Egypt
Ahmed Abdelati, Ministry of Agriculture and Land (MAL), Egypt
- The experience of Brazil
Suani Coelho, University of Sao Paulo (USP), Brazil
Alexander Gardemann, ABIOGAS, Brazil
- *Q&A session*

10.30 – 11.00 **Coffee break**

11.00 – 12.30 **Exchange of experiences and opportunities on advanced biofuels**

Moderator: Dr. Gerard Ostheimer, World Business Council on Sustainable Development (WBCSD)

- The future of biofuels
Bas Melssen, Novozymes
- The IRENA experience on advanced biofuels,
Toshimasa Masuyama, International Renewable Energy Agency (IRENA)
- The experience of USA,
Helena Chum, National Renewable Energy Laboratory (NREL), US Department of Energy, Washington, D.C. (pre-recorded presentation and skype connection)
- Advantages of lignocellulosic technology for decarbonisation: sun liquid's commercial readiness,
Paolo Corvo, Clariant
- *Q&A session*

- 12.30 – 14.00 **Lunch**
- 14.00 – 15.30 **Roundtable: Challenges and opportunities for the development of bioenergy**
Moderator: Paolo Corvo, Clariant
- Maximizing availability and use of sustainable feedstocks
Olivier Dubois, FAO (pre-recorded presentation)
 - Bioenergy from Sugar Industry - Thailand, Viet Nam, Philippines
In Thailand - Rangsit Hiangrat, Director General, Sugar Millers Association, Thailand
In the Philippines - Don Dia, President, Biomass Renewable Energy Alliance (BREA)
 - Below50 Southeast Asia: Driving Demand for the world's most sustainable fuels
Gerard Ostheimer, WBCSD
 - Building a global ethanol market – experiences of the US Grains Council's worldwide market development efforts
Tim Tierney, Director of Strategic Marketing - North Asia, USGC
 - Financing Development of Bioenergy
Stephen S Peters, Senior Energy Specialist, Asian Development Bank (ADB)
- 15.30 – 16.00 **Coffee break**
- 16.00 – 16.30 **Roundtable: Challenges and opportunities for the development of bioenergy (cont'd)**
 - *Q&A session*
- 16.30 – 17.00 **Conclusions and closing remarks**
 - *Maria Michela Morese, GBEP Executive Secretary*

08.00 – 20.00 **Field visit**

08.00 Departure from Philippine International Convention Center (PICC)

The group will be divided into two groups to visit two plants:

- *Bioethanol Plant in Brgy. Talisay, Calaca, Batangas (100 km distance from Metro Manila – 2/3 hrs journey)*
 - *Bioethanol Production Plant*
 - *Derrick B. Lee, Executive Vice President*
 - *Balayan Distillery, Inc.*

- *Biodiesel Plant in Quezon City (12 km distance from Metro Manila – 45 min. journey)*
 - *Chemrez Plant*
 - *Mr. Dean Lao, Jr. , Chief Operating Officer*
 - *Chemrez Technologies, Inc.*

- *Biopower Plant in Nueva Ecija (190 km distance from Metro Manila – 3/4 hours journey)*
 - *Power Corporation*
 - *Engr. Edgardo Alfonso, Chief Executive Officer*