

Expert workshop for the *How2Guide for Bioenergy* Biomass resources and bioenergy potential in Southeast Asia

23-24 July 2014, Bangkok, Thailand

As a clean and competitive source of renewable energy, many developing and emerging economies have already integrated a substantial amount of bioenergy into their energy mix, including an increasing number of countries in Southeast Asia which are now looking to this multi-faceted energy source as a central component of their efforts to diversify their energy mix, and respond to climate change challenges.

This workshop is the second in a series of events providing inputs to the How2Guide for Bioenergy – a manual for policy and decision makers for the development and implementation of bioenergy technology roadmaps that are tailored to national frameworks, resources and capacities.

The event is jointly organised by the International Energy Agency (IEA) in the framework of the International Low-Carbon Energy Technology Platform, by the Food and Agriculture Organization of the United Nations (FAO) and by the International Renewable Energy Agency (IRENA). The workshop is organized in collaboration with the Thai Ministry of Energy and with the support of Netherlands Enterprise Agency (RVO).

Venue

HOTEL PLAZA ATHENEE - ROYAL MERIDIEN

61 Wireless Road (Witthayu)

Bangkok 10330

Thailand

<http://www.plazaatheneebangkok.com/location>

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Event organised
with the support of:

AGENDA

23 July 2014 (Day I)

Time	Session content and speakers
9:00-9:15	<p>Opening session</p> <p><i>Welcome remarks by:</i></p> <ul style="list-style-type: none"> • Dr. Twarath Sutabutr, Deputy Director-General, Department of Alternative Energy Development and Efficiency (DEDE), Ministry of Energy, Thailand • Dr. Ingrid Barnsley, Head, International Partnerships and Initiatives Unit, IEA • Mr. Hiroyuki Konuma, Assistant Director-General and Regional Representative FAO Regional Office for Asia and the Pacific
9:15-10:30	<p>Session 1: Introduction to the <i>How2Guide for Bioenergy</i> and global bioenergy technology potential</p> <p><i>Moderator: Mr. Kees Kwant, Vice-Chair, IEA Bioenergy Implementing Agreement</i></p> <ul style="list-style-type: none"> • Dr. Ingrid Barnsley and Mr. Anselm Eisentraut, IEA: <ul style="list-style-type: none"> ○ Introduction to the <i>How2Guide</i> concept, structure of the <i>How2Guide for Bioenergy</i> and workshop objectives ○ The IEA Global Technology Roadmaps on Bioenergy for Heat and Power, and on Biofuels • Dr. Irini Maltsooglou, FAO: FAO Bioenergy Toolkit and methodology for resource assessment • Mr. Shunichi Nakada, IRENA: IRENA's bioenergy programme <p>Followed by Q&A (15 minutes)</p>
10:30-10:45	<i>Coffee break</i>
10:45-13:00	<p>Session 2: Assessing bioenergy potential in Southeast Asia</p> <p><i>Moderator: Dr. Appanah Simmathiri, FAO Regional Office for Asia and the Pacific</i></p> <ul style="list-style-type: none"> • Country presentations on status of bioenergy development: <ul style="list-style-type: none"> ○ Dr. Apiradee Thammanomai, Ministry of Energy (Thailand) ○ Mr. Edi Wibowo, Ministry of Energy and Mineral Resources (Indonesia) ○ Mr. Rosemarie S. Gumera, Ministry of Agriculture (Philippines) ○ Mr. Nasrin Abu Bakar, Malaysia Palm Oil Board (Malaysia) ○ Dr. Khorn Saret, Department of Forest and Community Forestry, Forestry Administration (Cambodia) ○ Khanthara Sisamouth, Ministry of Energy and Mines (Laos) ○ Mr. Nguyen Tien Long, Ministry of Agriculture & Rural Development (Vietnam) <p>Followed by Q&A (15 minutes)</p>
13:00-14:00	<i>Lunch</i>

14:00-15:15	<p>Session 3: Experiences and lessons learned through the implementation of bioenergy projects in South-East Asia</p> <p><i>Moderator: Mr. Linus Mofor, IRENA</i></p> <ul style="list-style-type: none"> • Dr. Sunny Setboonsargn, Asian Development Bank: Biomass-based Bioenergy Investment for Poverty Reduction • Mr. Suwat Kamolpanus, Mitr Phol Sugar Group (Thailand): Case Study: Bagasse Cogeneration Development in Thailand’s Sugar Industry • Mr. Ahmad Nor Azman Bin Jamin, Felda Palm Industries (Malaysia): Oil palm based biomass resources for bio-energy: Challenges and Sustainability • Mr. Zhuang Huiyong, China National Energy Research Center of Liquid Biofuels: Technology, Equipment and Policy: Status Quo and Future for Biomass Heat, Power and Ethanol Industrial Development in China <p>Open discussion with all participants</p>
15:15-15:30	<p><i>Coffee break</i></p>
15:30-17:30	<p>Session 4: Sustainability of biomass and biofuels</p> <p><i>Moderator: Mr. Thomas Chrometzka, GIZ Thailand</i></p> <ul style="list-style-type: none"> • Mr. Matthew Leete, FAO Regional Office for Asia and the Pacific: “The GBEP Sustainability Indicators and BEFS Work in Southeast Asia” • Dr. Leire Iriarte, IINAS: “Sustainability of bioenergy: from theory to practice. Overview of concepts, policies and case studies” • Ms. Dini Widiastuti, Oxfam Indonesia: improving the social-economic impact of biomass production for local communities and indigenous people • Mr. Kees Kwant, Vice-Chair, IEA Bioenergy Implementing Agreement/ RVO “Sustainable biomass production and use - a compilation of lessons learned from the Netherlands Sustainable Biomass Programme” <p>Open discussion with all participants</p>
18.00-22.00	<p>Cocktail Reception</p>

24 July 2014 (Day II)

Time	Session content and speakers
9:30-11:00	<p>Session 5: Bioenergy roadmap development – part I: resource assessment and lessons learned from case studies</p> <p><i>This session introduced ongoing biomass resource assessment and mapping activities at both the FAO and IRENA, and provided the opportunity to share experiences in relation to barriers and opportunities for bioenergy development in South-East Asia based on lessons learned from case studies.</i></p> <p><i>Moderator: Dr. Irini Maltoglou, FAO / Mr. Linus Mofor, IRENA</i></p> <ul style="list-style-type: none"> • Mr. Mattia Vianello, Practical Action Consulting: Small-scale bioenergy initiatives in ASEAN +3: impact, barriers and opportunities • Mr. Luca Soppelsa, Everest Energy Group: Bioenergy project finance - experiences and lessons learned in South-East Asia <p>Followed by open discussion (45 minutes)</p>
11:00- 11:20	<p><i>Coffee break</i></p>
11:20-12:30	<p>Session 6: Bioenergy roadmap development – part II: drivers, barriers and policy action options</p> <p><i>This session provided the opportunity to share experiences in relation with the development of guidelines, methodologies and policy tools for supporting market uptake of bioenergy technology</i></p> <p><i>Co-Chair: Dr. Ingrid Barnsley, IEA / Mr. Matthew Leete, FAO</i></p> <ul style="list-style-type: none"> • Mr. Arne Schweinfurth, GIZ ASEAN-RESP: Renewable Energy Guidelines on Biomass and Biogas Power Project Development in Indonesia • Mr. Jean-François Dallemand, European Commission: EU bioenergy policy and lessons learned through the implementation of the NREAP <p>Followed by open discussion (30 minutes)</p>
12:30-13:45	<p><i>Lunch</i></p>
13:45-14:45	<p>Session 7: Bioenergy roadmap development – part III: breakout sessions</p> <p><i>Participants split in smaller groups and were asked to take active part in a brainstorming on bioenergy roadmap development. The discussion developed around the key phases of bioenergy roadmap process, including consideration of bioenergy project drivers as well as barriers to technology deployment. Attendees participated in the identification of action options that can be activated during the planning and deployment stage to foster bioenergy projects.</i></p>
14:45-15:30	<p>Reporting back from breakout sessions and Closing remarks by:</p> <ul style="list-style-type: none"> • Dr. Prasert Sinsukprasert, Director of International Energy Cooperation Bureau, Ministry of Energy, Thailand