



## Bangkok Biofuels 2009 - 'Sustainable development of biofuels'

3rd annual MoEN-IEA joint Forum, 7-8 September 2009, Bangkok

### Agenda

#### Day 1 (Monday, 7 September 2009)

08:30-9:30 Registration + Morning Coffee

#### 9:30-9:50 Opening Session

9:30-9:40 Welcome address - Dr Wannarat Channukul, Minister of Energy of Thailand

9:40-9:50 Response address - Ambassador Richard Jones, Deputy Executive Director, International Energy Agency

9:50-10:15 Photo Session

Coffee Break

Press interviews - Minister Wannarat and Dr Norkun / Ambassador Jones and Dr Paolo Frankl

#### 10:15 - Session 1. Drivers for the development of Biofuels in ASEAN (Moderator: Dr Sarawut Kaewtathip, Chief of Strategy Planning, MoEN)

*This Session will present and discuss the global outlook (IEA) and the ASEAN outlook (selected ASEAN speakers) for the various biofuels. This will include discussion of the international and local markets, ASEAN Governments' policy and pricing for biofuels and their deployment, development plans including issues such as flexible fuel vehicle programmes, and sourcing of biofuels feedstock.*

10:15-11:00 1.1. The global biofuels markets and the outlook, including evolution of European and USA markets

Mr Michael Waldron, Oil Industry and Markets Division, IEA

11:00-11:30 1.2. National biofuels policy, deployment and plans - Indonesia

Dr Saryono Hadiwidjoyo, Director of Oil and Gas Downstream Development, Directorate General of Oil and Gas, Ministry of Energy and Mineral Resources

- 11:30-12:00 1.3. National biofuels policy, deployment and plans - Malaysia  
Mr Nasrin Abu Bakar, Malaysian Palm Oil Board
- 12:00-12:30 1.4. National biofuels policy, deployment and plans - Thailand  
Mr Krairit Nilukuha, Director General, Department of Alternative Energy Development and Efficiency, MoEN
- 12:30-14:00 Lunch**
- 14:00 - Session 2. Emerging economic and environmental challenges (Moderator: Dr Paolo Frankl, Head of Renewable Energy Division, IEA)**
- This Session will present and discuss the 'state of the art' for sustainable production of biofuel feedstocks, acceptable land use, and cost-effective conversion processes amidst lowering oil prices and tensions between food vs. fuel production.*
- 14:00-14:30 2.1. Criteria for sustainability of biofuels: mandatory and voluntary approaches  
Dr Jonathan Reeves, Global Bioenergy Partnership Secretariat, Italy
- 14:30-15:00 2.2. Global challenges for sustainability of biofuels, with focus on lifecycle assessment of GHG emissions  
Prof. Annette Cowie, National Centre for Rural Greenhouse Gas Research, University of New England, Australia
- 15:00-15:30 2.3. Barriers to SE Asia biofuels export into the European and USA markets  
Captain Dr Samai Jai-Indr, Energy Specialist, Energy Standing Committee, House of Representatives, Royal Thai Navy
- 15:30-16:00 Coffee Break**
- 16:00-16:30 2.4. The Brazilian ethanol industry: Sustainability today and tomorrow  
Dr Eduardo Leão de Sousa, Executive Director, União da Indústria de Cana-de-açúcar, Brazil
- 16:30-17:00 2.5. Biomethane: Another biofuels of choice for the future  
Dr Songkriert Tansamrit, Executive Vice President of PTT Research & Technology Institute
- 17:00 End of the first day**
- 18:30 Dinner co-hosted by the IEA and MoEN**

## Day 2 (Tuesday, 8 September 2009)

### 09:30 - Session 2. Continued (Moderator: Dr Paolo Frankl)

09:30-10:00 2.6. Food vs. energy - direct and indirect land use issues  
Dr Horst Fehrenbach, Senior Scientist, Institut für Energie- und Umweltforschung Heidelberg GmbH, Germany

10:00-10:30 2.7. Measuring and verifying biofuels sustainability. And who measures this?  
Ms Melinda Kimble, Senior Vice President, UN Foundation, USA

10:30-11:00 2.8. The Thai ethanol industry: sustainability today & tomorrow  
Dr Sihasak Arirajchakaran, Executive Director, Thai-Agro Industry

### 11:00-11:30 Coffee Break

### 11:30 - Session 3. Advances in the production of sustainable Biofuels (Moderator: Dr Weerawat Chantanakome, Councillor, Ministry of Energy, Thailand)

*Session 3. will present and discuss the latest international advances and future R&D direction in biofuel technologies and their likelihood of meeting low carbon fuel standards, and the potential for 2nd generation biofuels internationally and amongst ASEAN nations.*

11:30-12:00 3.1. Commercialization of 2nd generation biofuels: the bio-refinery concept for biomass-to-biofuels  
Prof. Jack Saddler, Dean of Faculty of Forestry, University of British Columbia, Canada

12:00-12:30 3.2. ASEAN developments and direction for 1st and 2nd generation technologies  
Dr Vijit Sriyonyongwat, Researcher, PTT Research and Technology Institute Secretary to Energy Committee

### 12:30-14:00 Lunch

### 14:00 - Session 3. Continued (Moderator: Dr Weerawat Chantanakome)

14:00-14:30 3.3. From 1st generation biofuels to an integrated system production model  
Prof. Manoel Regis Lima Verde Leal, Programme Coordinator, Centre for Bioethanol, Science and Technology (CTBE), Brazil

14:30-15:00 3.4. Thailand: Biofuels stockpiling  
Ms Niyada Gunwachai, Plan and Policy Analyst, Bureau of Business Service and Fuel Stockpile, Department of Energy Business, MoEN

15:00-15:30 3.5. The Indonesian biofuel industry-Sustainability today & tomorrow  
Dr. Dadan Kusdiana, Directorate of New Renewable Energy, Directorate General of Electricity and Energy Utilisation, Ministry of Energy and Mineral Resources

### 15:30-16:00 Closing

15:30-15:45 Closing remarks - Dr Norkun Sitthiphong, Deputy Permanent Secretary, MoEN

15:45-16:00 Closing remarks - Ambassador Jones, Deputy Executive Director, IEA