

BIOMASS PELLETS TRADE

27-29 Sep 2010 | Jakarta, Indonesia

Opening Address by
Mr Zulkifli Hasan,
Minister of Forestry, Indonesia

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Program topics, speakers and schedule are confirmed as at printing time. Please refer to event page at www.cmtevents.com for updated program agenda.

DAY 1 - 27 Sep 2010, Monday

08:00 Registration and Coffee

09:00 Chairman's Welcome and Remarks

09:10 **Sustainable Investment Opportunities in Indonesia's Forestry & Downstream Industry**
Zulkifli Hasan, Minister, Ministry of Forestry

09:30 **Global Pellet Markets & Growth of Biomass Co-Firing**
• Global wood pellet markets: trade flow & pricing outlook
• Demand from large scale co-firing in Europe and North Asia
• Pellet market in South East Asia
• Emergence of Agro-Biomass beyond wood pellets
Saku Rantanen, Head of Bioenergy, Asia-Pacific Poyry Management Consulting (Singapore) Pte. Ltd.

10:00 **Indonesia's Wood Pellets – Ready for Export?**
• Export versus domestic usage
• Sources of the woody biomass in Indonesia
• Sustainability issues & opportunities for international trade
• Marketing pricing for wood chips/pellets & specifications
Park See Woo, President Director, PT Solar Park

10:30 Discussion followed by Buyers & Sellers Meet

11:10 **Emergence of Agro-Biomass for Export Purpose**
A Waste to Become a New Commodity: Dawn of Palm Kernel Shells (PKS) for Power Generation
• From recognition to acceptance
• Framework conditions to develop demand
• 6 Mio tons , but how to secure supply
• Logistics issues and shipping to Europe
• It is all about reliability
Michael Wild, CEO, Ebes AG



Sugar Bagasse – Managing Local Usage & Export Potential
Agung P. Murdanoto, Business Development, PT PG Rajawali II

Converting Empty Fruit Bunch (EFB) to Trade & Export-Ready Product
Joseph Lim Heng Ee, Managing Director Global Green Synergy Sdn. Bhd

Rise of Palm Kernel Shells (PKS) for Export from Indonesia?
Dionixius Joko, PT. Piramida Indotama

Biomass utilization from Oil Palm and Jatropha Curcas
• Prospects for export purpose
Tony Liwang, Division Head (SMARTRI) PT Sinar Mas Agro Resources & Tech Tbk (SMART)

13:00 Discussion followed by Networking Lunch

14:15 **BEI-Teeside's Biomass Power Plant in UK – Strategy for Sustainable Supply of Agro-Biomass**
Matthew Day, Project Director, Bio Energy Investments Ltd

14:40 **Sustainability Criteria for Biomass Trade: How to Meet/Comply with the Certification?**
Dr. Martin Junginger, Assistant Professor Copernicus Institute for Sustainable Development

15:05 **Pellet in Europe – Existing Standards & Upcoming Work for Wood, Straw & Miscanthus Pellets**
Dipl.-Ing. Janet Witt, Team Leader, Department Bioenergy Systems DBFZ Deutsches BiomasseForschungszentrum gemeinnützige GmbH

15:30 Discussion followed by Buyers & Sellers Meet

16:00 **Solid Bio Fuels Quality & Proper Bulk Handling**
Bruno Widmer, Global Business Manager, Inspections of Forest Products, SGS Group Management Ltd

16:25 **Importance of Organised Logistic Chain: Maritime Transport, Ports & Hinterland**
Senior Representative, Port of Rotterdam

16:50 **Key Considerations in Setting Up Integrated Forestry to Pellets Production Facility**
• Land availability
• Access to raw materials and availability
• Transportation cost economics
• Key considerations for financing
Tony Wood, President Director, PT Poyry Indonesia

17:20 **Criteria to Financing Options for Biomass Pellets Production/Trade - Connecting Forestry, Sustainable Biomass & Carbon Markets**

17:50 Discussion followed by End of Day One

DAY 2 - 28 Sep 2010, Tuesday

09:00 Chairman's Remarks

09:05 **EU-Malaysia Biomass Sustainable Production (SP) Initiatives: Opportunities for Malaysia Biomass Sector**
Dato' Leong Kin Mun, Technical Advisor, Biomass-SP

09:30 **Obstacles in Maximising Asia's Biomass Resources – for Power Generation or Exports?**
• Level of government's subsidies & feed-in tariff for power generation
• Break-even incentives for biomass power generation versus exports
• Criteria & financing considerations on setting up biopower plant or pellet export facility
Austin Arensberg, Business Development Manager Nollen Group Co., Ltd.

09:55 **Developments & Trends in Global Biomass Fuel Pelleting**
Richard Hickey, General Director at Andritz Feed & Biofuel, China Andritz Sprout

10:20 Discussion followed by Networking Coffee

10:45 **Sugar Bagasse for Export or Domestic Power Generation in Thailand**
• Market pricing for sugar bagasse
• Competitive applications and paying capability for sugar bagasse
• Transportation cost and economics of pelletization
• Thai's Government feed-in tariff (and other incentives) versus cost (ROI)
• Possibility of large scale co-firing projects and imports for Thailand?

Dr. Pipat Weerathaworn, Vice president for Research and Development, Mittr Phol Sugarcane Research Center Co., Ltd.

11:10 **Palm Oil Residue as Potential Biomass Source for Power Generation**
• Potential of biomass in Indonesia as economical value
• Experiences of Biomass powerplant development and further plan
• Assumed Korean biomass market for compliance with renewable portfolio standard regulation
Jae-pil Song, Branch Head, Eco-Frontier

11:35 **Biomass Utilization Technology for Power Generation & Carbonization**
Senior Researcher, Fraunhofer Institute

12:00 Final Discussion followed by Closing Lunch

13:00 End of Conference

DAY 2 - 28 Sep 2010, Tuesday

13:00 – 17:30 Post Conference Workshop on Torrefaction Technologies

Facilitated by Michael Wild, CEO, Ebes AG

Speakers include Representatives from Komodo Resources, OFI, International Torrefaction Association (in establishment), University of Utrecht

Workshop Outline:

Obtaining Improved Solid CO2 Neutral Energy Carriers by Biomass Pretreatment

- Rationale & drivers for pretreatment technologies
- Where pretreatment technologies sits in the biomass value chain
- Why torrefaction is most favored amongst others
- Why SE Asian markets should be aware & adopt torrefaction

Biomass in Power Production from Coal

- Electrabel - the European forerunner in biomass combustion in coal power plants
- Limits to growth for wood pellets in power production
- Power producers expectations on torrefied biomass

Technologies along the Carbonization Curve - Torrefaction Takes the LEAD!

- Shortcomings of biomass as energy carrier in general
- Carbonization, a very old mean of enhancing specifications
- Different carbonization technologies - torrefaction - pyrolyses -
- Efficiency of torrefaction

Torrefaction Technologies & Cutting Edge Accelerated Carbonisation Biomass - ACB process

- Status of development of torrefaction in Europe & US
- The ACB process
- Economics & energy efficiency of torrefied pellets versus coal/wood pellets

The Building of a New Commodity

- The power sector and its needs
- Supply security - key for the demand side to pick up the new material

What can Serve as Input Material for Torrefaction and Limitations Observed To-Date

- Plant chemistry & resulting selection criteria
- By products & their potential use in torrefaction
- Dedicated plantations • Yield analyses • Sustainability Criteria

How to Participate in the Emergence of this New Bioenergy Market

DAY 3 - 29 Sep 2010, Wednesday

8:00 – 14:15 Site Visit to Wood Pellets & Agro-Biomass Production Plant (Transport and Lunch Provided, Participant Pickup & Dropoff at Hyatt Jakarta)

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