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Biomass Trade & Power

11–12 March 2010 | Rotterdam
Golden Tulip Rotterdam-Centre

*“Rise of the new Bio-Commodity for
Clean Power Generation”*

DG TREN
DG - AGRI
Nidera
Ambienta SGR SPA
Essent, The Netherlands
GDF-SUEZ Group
Laborelec-Sustainable Process Technologies
E.ON Climate & Renewables
First BioEnergy SE
Ekman & Co AB
Willmott Forests
Beijing Shengchang Bioenergy S&T Co., Ltd.
Biotimber Brazil
CanBio (Canadian Bioenergy Association)

Climate Change Solutions
Copernicus Institute, Utrecht University
Port of Rotterdam
Renewable Fuels Agency
Méo Consulting Team
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German Academy of Science and
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European Bioenergy Services
BTG Bioliquids BV
Procede Biomass BV

promotion partners



Supporting Organisations



Task 40: Sustainable International
Bioenergy trade



Day 1 - Thursday, 11 March 2010

7:30 Registration and Coffee

8:30 Chairman's Welcome and Remarks
Representative from IEA Bioenergy Task 40

8:40 EU's Sustainability Requirement of Biomass for Use in Power and Energy Sector

- Obligation to EU renewable energy regulation, & subsidies from government
- EU's view on sustainability & certification
- EU's incentives and aid in biomass trade & power generation sector
- Post Copenhagen - what's ahead for bioenergy?

Andreas Pilzecker, H4 Bioenergy, Biomass, Forestry & Climate Change Directorate-General, Agriculture and Rural Development, European Commission

9:10 Renewable Power Generation from Biomass - Perspective from Essent

- Future outlook for investments in renewable power from biomass
- Increase in biomass co-firing at large scale combustion plants

Paul Romijn, Business Portfolio Developer, Essent Energy Trading BV

9:30 Large-Scale Usage of Solid Biomass for Power Generation in Belgium

- Growth & outlook of biomass usage
- Incentives/policy on biomass for power and heat
- Issues influencing growth of this sector
- Biomass import, types & trade challenges

Dr. Ir. Yves Ryckmans, Chief Technology Officer Biomass GDF-SUEZ Group, Laborelec-Sustainable Process Technologies

9:50 Discussion followed by Networking Coffee

10:20 A Power Generator's Role in International Biomass Trade

- Drivers for biomass power and drivers for biomass trade
- E.ON's activities and how the above impact E.ON
- General activities (in biomass power and trade) in the UK

Ben Coh, Senior Biomass Fuel Developer, E.ON Climate & Renewables

10:40 Biomass Utilisation Outlook & Growth in Sweden

Bo Hektor, First BioEnergy SE

11:00 Nidera - Pooling for Success: Pooling Production & Conversion Capacity Strategy for growth

Peter-Paul Schouwenberg, Trader, Nidera

11:20 **Financing Requirement for Biopower Value Chain, Funding Options & Risk Management Issues on Sustainability**
Guido Rivolta, Partner, Ambianta SGR SPA

12:00 Discussion followed by Networking Lunch

Biomass Exporters' Perspectives

- Sources, production & specification of biomass products (e.g. Pellets)
- Export potential & capacity
- Domestic demand for power generation/bioenergy
- Perspectives on issues influencing the establishment of global biomass

13:15 **Export Potential of Biomass from the Baltic Region (with Focus on Latvia)**

Arnold Dale, Vice President of Bioenergy, Ekman & Co AB

13:35 **Australia's Pellets Export Outlook**

Stephen Addicott, Plantation Resource Manager, Willmott Forests

13:55 **China's Biomass Pellets Market Outlook**

Fu Youhong, General Manager Beijing Shengchang Bioenergy S&T Co., Ltd.

14:15 **Export Potential of Biomass from Brazil**

Fabio Flores, Partner Biotimber Brazil

14:45 Discussion followed by Networking Tea

15:05 **Bio-Trade Equity Fund – The Vehicle Needed for Biomass Trade**

- EU needs low cost biomass to achieve renewable fuels targets
- Generally too risky to invest in production in developing countries
- A properly structured fund will reduce risk, increase biomass trade, and provide socioeconomic benefits

Douglas R. Bradley, President and Executive Director CanBio (Canadian Bioenergy Association) President, Climate Change Solutions

15:30 **Development of Exchange-Traded, Standardized Biomass Products**

- Market model, growing from infancy to maturity
- Increase price transparency by launch of wood pellet index
- Hedging, clearing and settlement
- Product specifications

- Related biomass products development
Sipke Veer, Product Manager APX-ENDEX

16:00 **Shipping and Freight Market Outlook**

16:30 **Backcasting the Pellets Market**

- Definite trends
 - Future market & trade conditions
 - Future market resources
- Senior Representative, Port of Rotterdam*

16:50 Discussion followed by End of Day One

1700-1900 hrs. *Networking Reception*
for Speakers & Delegates

On board "Nieuwe Maze" - Cruise Visit to one of Rotterdam Port's **Wood Pellet Terminals**

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Day 2 - Friday, 12 March 2010

8:20 Chairman's Remarks

8:30 **Main Challenges & Opportunities in Biomass Cofiring in Pulverized Coal Power Plants**

- Options for on site fuel handling and storage
- Impacts on boiler performance
- Ash utilization options

Ir. Jaap Koppejan, IEA BioEnergy Task 32, Procede Biomass BV

9:00 **Technologies Available for Biomass Power Generation: Cogeneration (CHP) or District Cooling/Heating**

9:25 **Carbon Markets and Impact on Biomass Power Generation**

9:50 **Biomass Certification & Implications for Trade**

- Ongoing initiatives in bioenergy certification: current status and the expected activities & recommendations for further harmonization in the future



- Discuss on first experiences on bioenergy certification: lessons learnt from these first experiences
- The (expected) impacts on trade when a certification system for bioenergy is introduced
- What are the bottlenecks and possibilities for stakeholders in the bioenergy chain?

Dr. Jinke van Dam, Senior Researcher
Copernicus Institute, Utrecht University

Emi Kottász, Regulatory Policy and Promotion of Renewable Energy, **DG TREN**

Aaron Berry, Head of Carbon and Sustainability
Renewable Fuels Agency

Andreas Feige
Méo Consulting Team

10:50 Discussion followed by Networking Coffee

11:15 **Pre-Treatment Biomass Using Pyrolysis Technologies**

Gerhard Muggen, Managing Director
BTG Bioliquids BV

11:45 **Torrefaction – Accelerated Carbonised Biomass, the Optimal CO₂ Neutral Substitute for Coal**

- Torrefaction – the principles
- The dramatic increase in feedstock
- Economics

Michael Wild, CEO
European Bioenergy Services

Commercialization Roadmap of Bio-Char

12:15 **Biochar – Potential Commodity from Biomass Waste & Current R&D progress (Production & Application)**

Dr Ro Kyoung, Environmental Engineering
USDA

Hydrothermal Carbonization- Economical Route towards Modern Materials Chemistry

Dr. Maria-Magdalena Titirici
Max-Planck-Institut für Kolloid- und Grenzflächenforschung

Environmental Challenges in Biochar Production & Soil/Water Applications

Dr. Judy Libra
German Academy of Science and Engineering

13:15 Final discussion followed by Closing Lunch

14:30 End of Conference

Pushing forward with Biomass Commodity Market & Bio Power Value Chain

Global demand for Biomass (Agricultural and Forestry Residues, Energy Crops and Wood Pellets) is rapidly growing and especially in Europe, where EU 2020's target for renewable energy (20% in gross energy consumption), is a major driver for this growth. Various European countries' government have released grants and incentive programs to step up the usage of biomass in power generation, such as the United Kingdom and Scotland earlier in November 2009.

This growth drives the need for biomass to be traded as a real "commodity". To make this happen, issues on "commodization" have to be addressed with the clear standards on biomass certification, logistics, price benchmarking on the broad array of biomass products. Commercialising pretreatment technologies, such as Torrefaction, Pyrolysis, etc, will provide solutions to standardization of specification. Bio-char, touted as a alternative for carbon sequestration, is also gaining global interest in the US, Australia and Europe, for soil enhancement and replacement for coal in power plants.

Biomass has widely been used in power generation and for heating purposes. Combustion and Co-firing are the most widespread conversion technologies for electricity and heat generation, also in district heating. In large-scale commercial plants, security in supply of biomass, as well as transportation and handling, becomes critical for sustainable operation and even financing.

Sustainability and reliability in the market dynamics of biomass demand/supply is critical for the development of stable global biomass trading market activities. Supported by **Port of Rotterdam** and **IEA Bioenergy Task 40**, CMT presents a industry-stakeholders' lineup at the **Biomass Trade & Power** Conference. The conference aims to analyze EU and other regions' developments in bioenergy and tackle issues the establishment a biomass trading, realizing a real commodity market. This is a MUST- HAVE for long term security of the bioenergy sector.

Hot issues discussed at CMT's Biomass Trade & Power:

- EU's sustainability requirement for bioenergy
- Post Copenhagen & its implication for bioenergy
- Assess the global supply outlook of biomass from China, Australia, Baltic Region, Canada & etc
- Evaluate EU's demand for power & heat production
- Establish a reliable & economical certification scheme for biomass/bioenergy
- Commercialization & availability of pretreatment technologies
- Analyse Biochar's commercialization roadmap
- Tackles issues on transportation & shipping/freight market outlook
- Rationalise pricing standards for agri-steam waste & pellets
- Stakeholders' perspectives producers, importers trade & power companies on commodization of biomass
- Direct networking opportunities, strike immediate contracts with buyers, sellers and power companies

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Biomass Trade & Power

11-12 March 2010 | Rotterdam

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FEES

The full Registration Fee includes cost of all sessions, luncheon, coffee/tea & documentation.

Conference Fee for 1 Person	Conference Fee for 3 or more* (from the same company)
EUR1,395	EUR1,095 (MIN SAVINGS OF EUR900)

* Terms and conditions apply.

Cancellations, Refunds & Transfers: A full refund will be promptly made for all written cancellations 3 weeks before the meeting. Thereafter, cancellations are not refundable. A substitute may be made at any time.

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