

Second Announcement and Call for Papers

NORDIC BIOENERGY2011

**International Bioenergy Conference
From 5th to 9th of September 2011**



Jyväskylä, Finland



International Nordic BIOENERGY 2011



- Conference with Special Sessions over the Bioenergy Technologies and Markets
- Technical Tours and Visits to Practical Bioenergy Sites and Facilities
- Poster Exhibition and Business to Business Meetings
- Large International Bioenergy and Wood 2011 Exhibition and Trade Fair
- Social and Culture Programs
- Language: English

THE MAIN PROGRAM

- 5th September Pre-Tour from Capital Helsinki to city Jyväskylä
Get together evening, Registration begins
- 6th – 7th September Conference Sessions and Poster Views.
Bioenergy and Wood 2011 Exhibition will open
- 8th September Technical Tours and Bioenergy and Wood 2011 Exhibition
- 9th September Bioenergy and Wood 2011 Exhibition and Post-Tour to Helsinki

FOR WHOM?

- Bioenergy Business People
- Bioenergy and Biofuel Producers and Users
- Bioenergy Marketing People and Consults
- Entrepreneurs
- International, National and Local Authorities
- Policy Makers
- Scientists and Developers
- Technology Developers
- Designers
- Training Officers, Teachers
- Investors
- Financiers
- Manufactures
- Service Professionals
- Energy Industry Professionals
- Wood, Pulp and Paper Industry Specialists
- Agriculture and Food Industry Promoters
- Communication and Information People
- Consumers and Public Organisations



WELCOME TO NORDIC BIOENERGY 2011 Conference

The Nordic bioenergy conference takes place every second year. Last time conference took place in Stockholm Sweden. Now it will be held in Central Finland in the heart of Nordic Bioenergy, in city Jyväskylä and surroundings. Nordic Bioenergy 2011 is the top place to meet world's leading Bioenergy professionals, to see what are the newest innovations and best practices and to make real business.

The strong policy for increasing renewables and especially bioenergy continues in the European Union. The Commission presents a renewable energy roadmap for the year 2020, proposing a mandatory target of 20% renewable energy in gross inland energy consumption, and a mandatory target of 10% transportation biofuels. The Renewable Directive has set targets for member states. Member states have made the national action plans to achieve their targets.

The Nordic Bioenergy Conference connected with large International Bioenergy and Wood Exhibition and Trade Fair is the best place for You to get modern and up-dated information about bioenergy solutions, technology and logistic systems in concrete and in practice. Several Technical Tours into the bioenergy and biofuel production sites and facilities are extra bonuses for You. The Conference is arranged by FINBIO – The Bioenergy Association of Finland in fixed co-operation with SVEBIO (Sweden), NOBIO (Norway) and DANBIO (Denmark) and with hundreds of our member organisations.

The progress of bioenergy technologies, systems and solutions have been enormous during the last years. Concrete experiences and expertise in biofuels and the use of biofuel procurement systems, know-how, logistics and technologies are available in the markets. New innovations exist. Best practices are in normal use in Nordic countries from biomass harvesting operations to production plants for heat, power and biofuels. Also new challenges and old bureaucratic barriers still exist.

Today citizens, nations and companies are more and more aware and precise in how they want to use and develop their energy systems and environment sustainability. Bioenergy and biofuels are global answers, global potentials and global visions for sustainable energy production and use, not only in dreams but in actuality. Warmly welcome to NORDIC BIOENERGY 2011 and Finland!

Chairman of the Conference and FINBIO Juha Poikola
Director of Pohjolan Voima Ltd

Executive Director of FINBIO Pekka-Juhani Kuitto



Juha Poikola



Pekka-Juhani
Kuitto

Topics

1. **EU National Renewable Energy Plans (nREAP) and Bioenergy Policies in Different Countries:**

RE directive and national implemental plans 2020, bioenergy policy in different countries around the world, and bioenergy promoting programmes and fossil-free examples, security of energy supply. Legislation, Green values, strategies and market instruments, certificates, feed in tariffs, emission trading,

2. **Biomass Demand, Supply and Employment:** Potentials of different biomass resources (forest, agro, by-products, waste) quantities, measurements methods, qualities and properties for feedstock from forestry, agriculture, peatlands, municipals and processing industry. Market potential and demands, green energy markets. Bioenergy markets by sectors, national and areal demonstration and markets, implementations of bioenergy business and use, fuel quality assurances and standards, price competitiveness. Rural employment and entrepreneur business models and practices.

3. **Sustainable Criteria of Bioenergy:** Sustainable use of bioenergy, models, sustainability criteria of biofuels and biomasses, LCA on green house gas reduction, carbon dioxide capture. Technologies and systems for lowering emissions and nanoparticles, healthy questions, recycling and ash handling, flue gas cleaning, sustainable development

4. **Fuel Production Technology and Economy:** Logistics and production technologies of biomasses from forest, agriculture and peatlands. Business models, procurement and transport systems, quality and cost handling, energy efficiency and economy of bioenergy production chains, management and operational tools.

5. **CHP and Power Production:**

Combined Heat and Power Production (CHP), Nordic NordPool electricity markets, market system and trade, CO₂-emission trading and market visions, co-firing, combustion and boiler systems and technologies, carbon dioxide capture. Technologies and systems for CHP production, market implementations. Co-combustion with peat.

6. **Individual House Heating Solutions:** Small boilers, firewood and pellet stoves and ovens. Low emission solution and reduction of emissions.

7. **District heating:** Technologies and systems for small houses and municipalities, bioenergy boiler systems connected with other renewables, implementation tools, legislation facts and specialties' by countries. Fuel demands and boiler and biofuel certification (billets, fire wood, pellets, wood chips, biogas, bioliquers etc).

8. **Solid conversion:** Production and properties of pellets, torrefaction and production of biocarbons

9. **Chemical Conversion Technologies:** Gasification, pyrolysis, biological conversion and liquid fuels production (biodiesel, ethanol, direct/indirect liquefaction)

10. Biogas: Production of biogas from different sources. Upgrading to methane. Use in different sectors.

11. Biofuels for Transport: New innovations, biofuels and growing markets, first and second generation biofuels, car technologies, sustainability of biofuels, legislation challenges and barriers in the markets and trade.

12. IT, Communication and Education: Marketing and information dissemination, education and trading, technologies, internet, mobile phone technology, electronic documentations, remote management tools, internet marketing.

The different topics cover R&D results, demonstrations, state-of-arts, technologies, equipments and good practices for best solutions for Bioenergy use.

How to prepare an abstract

Papers will be presented in oral and poster sessions and all accepted papers will be published in the Book of Proceedings. Authors wishing to submit a contribution should read the following instructions carefully and send an abstract to the address given below.

The abstract, single spaced in English, should include:

- Applicable subject number (1 to 12)
- Full title
- Full name and address of one author for all correspondence
- Full name of each author and co-author, affiliation, address and phone, fax or e-mail
- Purpose of the work
- Approach
- Scientific innovation and relevance
- Results
- Conclusions

The abstract should not exceed one page (size A4, 210 x 297 mm). In additions, authors may add up to 3 explanatory pages, which will facilitate the reviewers assessment. Abstract with insufficient information will be rejected.

Deadline for receipt of abstracts:

15 February 2011

Only contributions complying with the above specifications and received in time be considered. Please e-mail the complete information (abstract plus optionally up to 3 explanatory pages) to bioenergy@finbio.fi. The abstract should be a *.doc or *.pdf file

Conference Information

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Exhibition Information

Jyväskylä Fair Ltd is the official
organizer of
the Exhibition of Bioenergy 2011.
The exhibition will be held in the
Jyväskylä Fair Centre – Jyväskylä
Paviljonki.

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Sponsors



Conference Programme

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Organised by



in co-operation with Svebio, Nobio and Danbio

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