



16th European Biomass Conference & Exhibition

From Research to Industry and Markets

**2 - 6 June 2008
Feria Valencia
Spain**



Conference Chairman: Prof. Dr. Jürgen Schmid,
Chairman of the Executive Board of ISET, Council Member of the WBGU
(Advisory Council on Global Change to the German Government)

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Conference Programme, Registration available on-line

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Conference Topics and Programme Outline

1. BIOMASS RESOURCES

Papers are invited that address all aspects of biomass resources from cultivation to production and supply to market users, but not their actual utilisation in energy or other industrial applications.

- 1.1 Assessment of the availability of resources (global, national & regional), land and water use issues, interaction with food production and other use of biomass, environmental impact of resource production, etc.
- 1.2 Production, pretreatment, supply and logistics of feedstock from conventional agriculture, forestry, animal residues, processing industry and the biodegradable fraction of Municipal Solid Waste (MSW) streams, etc.
- 1.3 Basic and fundamental research on energy crops, designed crops, crops for semi-arid areas, etc; production of feedstock, pre-treatment, supply and logistics; demonstration and market deployment for energy crops, designed crops, etc.

2. BIOMASS CONVERSION

In this topic area papers are invited that address all aspects of technology development and environmental issues from fundamental research up to pilot plant operation. Commercial and industrial demonstration projects and experiences are to be submitted in topic "4. MARKET".

- 2.1 Thermochemical conversion - gasification for power, CHP and polygeneration, etc.
- 2.2 Thermochemical conversion - gasification for clean synthesis gas production.
- 2.3 Thermochemical conversion - pyrolysis for power, CHP, polygeneration and chemicals, etc.
- 2.4 Thermochemical conversion - combustion and co-combustion for large utility and industrial scale applications, etc.; NOx abatement in power plants.
- 2.5 Thermochemical conversion - combustion for small scale applications, steam engines, stirling engines, Organic Rankine Cycle, household boilers & stoves, etc.
- 2.6 Biological conversion - fermentation processes, enzymatic processes; conversion processes for biogas production in general.
- 2.7 Biorefineries; conversion processes to obtain industrial materials and chemicals (biopolymers; pulp & paper; bio-fertilisers; etc.).

3. BIOFUELS

In this topic area contributions are invited that address all aspects of production and supply of solid, liquid and gaseous fuels for small as well as industrial scale application and for transportation.

- 3.1 Production, supply and use of solid biofuels (chips, pellets, briquettes et al.) for particular market users (households, industry, etc.).
- 3.2 Production, supply and use of liquid biofuels (pure vegetable oils, etc.); production of 1st and 2nd generation liquid biofuels (biodiesel, bioethanol, bio-methanol, bio-synthetic fuels); direct/indirect liquefaction, etc.
- 3.3 Production, supply and use of gaseous biofuels (biogas and biogas purification/upgrading, etc.); bio-hydrogen, etc.

4. MARKET

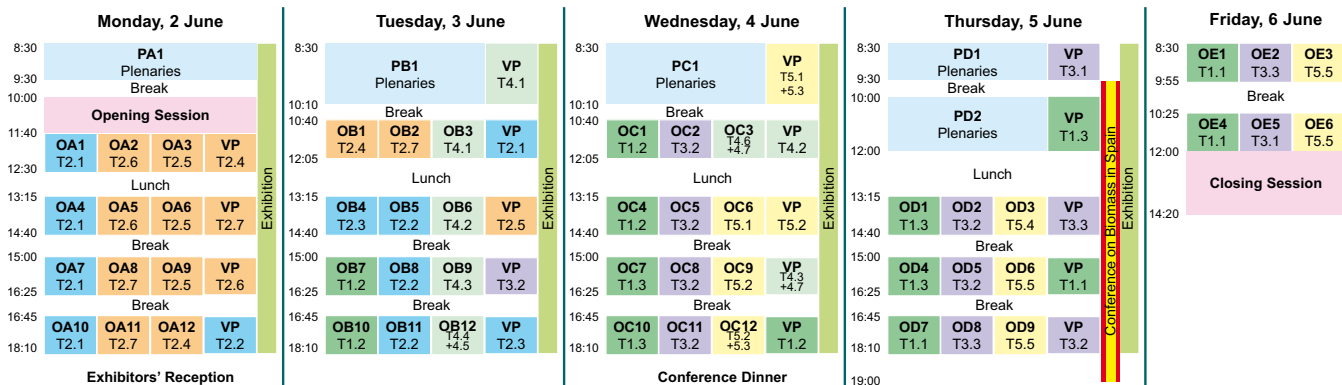
Papers are invited that address the market deployment of the various technologies, energy services to consumers, and industrial products, covering amongst other systems analysis, life cycle analysis but excluding any research and development aspects that have to be submitted in the topics above.

- 4.1 Demonstration and market implementation of biomass fuels in the heat sector (process heat, households, tertiary sector, district heating, CHP, etc.), polygeneration in general.
- 4.2 Demonstration and market implementation of biomass fuels in the electricity sector (utility scale, distributed generation, dedicated bio-power plants etc.), polygeneration in general.
- 4.3 Demonstration and market implementation of biofuels in the transportation sector (private vehicles sector, captive fleets, distribution & logistics) etc.
- 4.4 Demonstration and market implementation of biomass for industrial bio-chemicals and bio-materials, food additives (bio-refinery); timber, board & panels; pulp for paper; charcoal & activated charcoal; etc.
- 4.5 Economics and benefits deriving from biomass integration, bio-refineries, process technologies and simultaneous production; identification of most promising biomass/bioenergy complexes; bio-products complexes, etc.
- 4.6 Market forecasts; costs of biomass resources; unit cost of energy production; forecasts and technology learning curves, etc.
- 4.7 Financing of bioenergy projects (small & large) in OECD & developing economies; venture capital, etc.

5. POLICIES

The papers in this topic should address all non-technical aspects and issues of biomass, bioenergy and biomass based products with attention to international deployment, successful national policies and gaps in related legislative framework.

- 5.1 Security of supply; globalisation of biomass, international biofuels trade; strategy and climate protection issues; externalities assessment, etc.
- 5.2 Sustainability criteria and certification issues; environmental management systems for biomass production; international standards; monitoring and comparing environmental drivers, etc.
- 5.3 Clean Development Mechanisms (CDM) and Joint Implementation (JI) programmes; financial mechanisms, regulations, industrial policies; socio-economic impact, etc.
- 5.4 International cooperation for accelerating the large-scale world-wide deployment of biomass utilisation, bioenergy and biomass based products, etc.
- 5.5 National policies, national biomass action plans and gaps in legislation, etc.



Topics

- T1 Biomass Resources
- T2.1 Thermochemical Conversion - gasification for power and CHP and polygeneration +
- T2.2 Thermochemical Conversion - gasification for clean synthesis gas production +
- T2.3 Thermochemical Conversion - pyrolysis for power, CHP polygeneration and chemicals
- T2.4 Thermochemical Conversion - combustion and co-combustion +
- T2.5 Thermochemical Conversion - combustion for small scale applications +
- T2.6 Biological Conversion - fermentation processes, enzymatic processes +
- T2.7 Biorefineries - conversion processes to obtain industrial materials and chemicals
- T3 Biofuels
- T4 Market
- T5 Policies

Session Code

