

HOW TO PREPARE AN ABSTRACT

Papers will be presented in oral and poster sessions. For oral presentations, priority is given to overviews dealing with subjects related to the whole chain of research to market deployment of biomass technologies. All presented papers will be published in the Proceedings. Authors wishing to submit a contribution are kindly asked to read the following instructions carefully and send an abstract, preferably using the on-line submission system www.conference-biomass.com/Biomass_2007/conference_abstract_submission.asp, or sending an email to papers@etaflorence.it.

- The abstract, single spaced in English, should include:
- ◆ Applicable subject number (1 to 4 above) and sub-section (e.g. 1.2)
 - ◆ Full title
 - ◆ Full name, affiliation and address of one author for all correspondence
 - ◆ Full name of each author and co-author, affiliation and address, phone/fax/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 pdf file. In addition, authors may add up to 3 explanatory pages (as pdf file), which will facilitate the reviewers' assessment. Abstracts with insufficient information will be rejected.

DEADLINE FOR RECEIPT OF ABSTRACTS: 20th OCTOBER 2006

Only contributions complying with the above specifications will be considered. Please submit your abstract directly on-line at the Conference web-site at:

www.conference-biomass.com

For questions concerning the abstract submission, please contact:

Ms. Ernestina Ubal Muñoz

E-mail: papers@etaflorence.it

All authors will be notified of the decisions of the selection committee by January 2007. At the same time, authors of accepted abstracts will receive special instructions for the preparation of the final papers for the Proceedings.

Should you wish to be added to our Biomass mailing list please fill in a form also available on our website. For further information, please send a message to:

ETA-Renewable Energies

Piazza Savonarola, 10

50132 Florence, Italy

Fax +39 055 57 34 25

biomass.conference@etaflorence.it



15th European Biomass Conference & Exhibition From Research to Market Deployment

**ICC International
Congress Center
Berlin, Germany
7-11 May 2007**

Institutional support:

The European Commission

**German Federal Ministry for the
Environment, Nature Conservation and
Nuclear Safety**

**German Federal Ministry of Food,
Agriculture and Consumer Protection**

**UNESCO United Nations Educational,
Scientific and Cultural Organisation**

**WCRE World Council for Renewable
Energies**

**EUBIA European Biomass Industry
Association**

and further organisations

Jointly organised by:

ETA-Renewable Energies, Florence

WIP-Renewable Energies, Munich

Dear Friends, Colleagues and Members of the Bioenergy Community, The international events of the last few years have moved Bioenergy from the sidelines of the energy debate to the forefront. To a very large extent, Bioenergy can address the issue of fossil fuel replacement. Politicians all over the world have accepted this opportunity. Instead of a specialised term for experts, bioenergy has become a common term in political discussions. New legislative actions, policy documents and strategic analyses are constantly being prepared and adopted. May 2007 will be a good time to review of the developments at all levels, including policy, markets, industry, technology, research and education.

I agreed to be the Chairman of the 15th European Biomass Conference on the understanding that I will be given the freedom to shape the Conference in such a way as to promote genuine debate in the above areas, in particular in terms of where we have been successful and where we have failed as a Community. I will especially endeavour to highlight political debate, industrial leadership and market topics during the Conference. For this reason I recommended the Conference theme "From Research to Market Deployment".

In the above process, and in addition to the traditional Organising and Scientific Committee, I will be assisted by a Chairman's Advisory Group consisting of five individuals who are highly recognised experts in their respective fields: Bjorn Telenius of Aston University, UK, on the structure of the Conference and sessions; Javier Salgado Leirado, CEO of Abengoa Bioenergia, Spain, on industrial leadership; Anders Røj of Volvo Technology Corporation, Sweden, on market deployment and Andreas Heinz, National Expert European Commission - DG TREN, on breakthroughs by young bioenergy scientists.

In addition to the Conference there will be an Exhibition and all organising teams and I, under the guidance of Mr. Anders Røj from the Chairman's Advisory Group, will endeavour to make the co-current exhibition the most successful ever of the European series of Biomass Conferences.

As plans progress, I will be contacting you again to let you know how this event is progressing that I hope will set a new standard in this European series of Biomass Conferences.

I look forward to seeing you next May in Berlin, this exciting and fascinating city where the promotion of biomass resources, their applications and the market deployment of derived products is pushed forward at German governmental and institutional levels. I am convinced that on our departure from Berlin we will all feel significantly enriched by listening to your contributions.



Kyriakos Maniatis
Biofuels & Industry, European Commission,
DG Energy and Transport
Chair, International Energy Agency - Bioenergy
Implementing Agreement

PROGRAMME

The five-day programme for the Conference includes:

- ◆ Plenary lectures describing the state-of-the-art in biomass technology
- ◆ Oral and visual presentations on research, development, demonstration and commercial projects
- ◆ Exhibition of biomass products, utilisation and conversion technologies
- ◆ Political and strategic Workshops
- ◆ Social programme

TOPICS

Take this great opportunity to share your work with the global Biomass community. All accepted abstracts will feature in either oral or poster sessions and will be published in the Conference Proceedings. The topics of the Conference and instructions on how to prepare the abstract are listed below.

1. BIOMASS RESOURCES

Papers are invited that address all aspects of biomass resources from the cultivation of the resource to the production of a solid feedstock and its supply to a market user, 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/industrial waste streams, etc.
- 1.3 Basic and fundamental research on energy crops, designed crops, etc.; production of feedstock, supply and logistics; demonstration and market deployment for energy crops, designed crops, etc.
- 1.4 Production and supply of dedicated solid biofuels (pellets, briquettes et al) for particular market users (households, industry 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 the following topic "3. MARKET".

- 2.1 Thermochemical conversion – gasification for power and CHP, etc.
- 2.2 Thermochemical conversion – gasification for clean synthesis gas production
- 2.3 Thermochemical conversion – pyrolysis for power, CHP and chemicals
- 2.4 Thermochemical conversion – combustion and co-combustion for large utility and industrial scale applications, etc.
- 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, etc.
- 2.7 Biological conversion – biogas and biogas purification/up-grading, etc.
- 2.8 Conversion to liquid biofuels (biodiesel, bio-ethanol, bio-methanol, bio-synthetic-fuels, bio-hydrogen, direct/indirect liquefaction, etc.)
- 2.9 Chemical conversion to industrial materials and chemicals (biopolymers, pulp & paper, etc.).

3. 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.

- 3.1 Demonstration and market implementation of biomass fuels in the heat sector (process heat, households, tertiary sector, district heating, CHP) etc.
- 3.2 Demonstration and market implementation of biomass fuels in the electricity sector (utility scale, distributed generation, dedicated bio-power plants) etc.
- 3.3 Demonstration and market implementation of biofuels in the transportation sector (private vehicles sector, captive fleets, distribution & logistics) etc.
- 3.4 Demonstration and market implementation of biomass for industrial bio-chemicals and bio-materials, food additives; timber, board & panels; pulp for paper; charcoal & activated charcoal; bio-refinery, etc.
- 3.5 Economics and benefits deriving from biomass integration, process technologies and simultaneous production, identification of most promising biomass/bioenergy complexes; bio-products complexes, etc.
- 3.6 Market forecasts, costs of biomass resources, unit cost of energy production, forecasts and technology learning curves, etc.

3.7 Availability and supply of finance, financing of bioenergy projects (small & large), in OECD & developing economies, venture capital, etc.

4. POLICIES

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

- 4.1 Security of supply, globalisation of biomass, international bio-fuels trade, strategy and climate protection issues, externalities assessment, etc.
- 4.2 Sustainability criteria and certification issues, environmental management systems for biomass production, international standards, monitoring and comparing environmental drivers, etc.
- 4.3 Clean Development Mechanism (CDM) and Joint Implementation (JI) programmes, financial mechanisms, regulations, industrial policies, socio-economic impact, etc.
- 4.4 International co-operation for accelerating the large-scale world-wide deployment of biomass utilisation, bioenergy and biomass based products. Biomass in the developing world poverty alleviation, rural development education, training and local manufacturing capacity building; financial support schemes, etc.
- 4.5 National policies, national biomass action plans and gaps in legislation, etc.

CONFERENCE PROGRAMME - PLENARY SESSIONS

Plenary presentations will be by invitation only to leading scientists and industrial actors. The draft programme of the plenary sessions with all invited speakers will be sent to you by the 31st October.

