



EU BC&E 2012

20th European Biomass Conference and Exhibition

2012 a special focus on: Biogas, Biowaste, Bioenergy in Smart Grids

EU BC&E Preview

**SETTING THE COURSE
FOR A BIOBASED ECONOMY**

Milano Convention Centre - MiCo - Italy
Conference 18 - 22 June 2012
Exhibition 18 - 21 June 2012



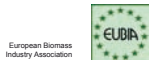
Institutional Support



MINISTERO DELL'AMBIENTE
E DELLA TUTELA DEL TERRITORIO E DEL MARE



Regione Lombardia



European Biomass
Industry Association



WCRE
World Council for Renewable Energy

The most inspiring biomass event in 2012

The European Biomass Conference and Exhibition (EU BC&E) is an annual event which, since 1980, is held at different venues throughout Europe. It ranks as one of the top world leading events in the Biomass sector, combining a very much respected international Scientific Conference with an Industrial Exhibition.

It provides an high-level scientific programme and parallel events which attract participants from a wide ranging background: researchers, engineers, technologists, standards organisa-

tions, financing institutions and decision makers.

Such a global exchange platform of current knowledge in turn attracts industrial exhibitors, making the conference events a significant tool for technology transfer and innovation.

This event is supported by European and international organizations.

The Technical Programme is coordinated by DG Joint Research Centre of the European Commission.

Facts and figures of the 2011 edition held in Berlin:

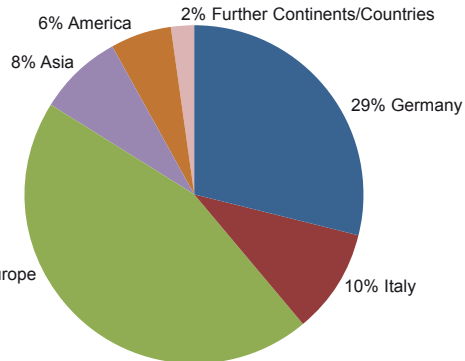
- more than **1500** participants
- **67** represented nations
- about **70** exhibitors
- **85** technical sessions
- **898** presentations
- **358** speakers
- **50** press representatives and accredited journalists

An international environment

The EU BC&E is the event in which the members of the bioenergy community can get a broad picture of the situation and trends emerging in today's markets.

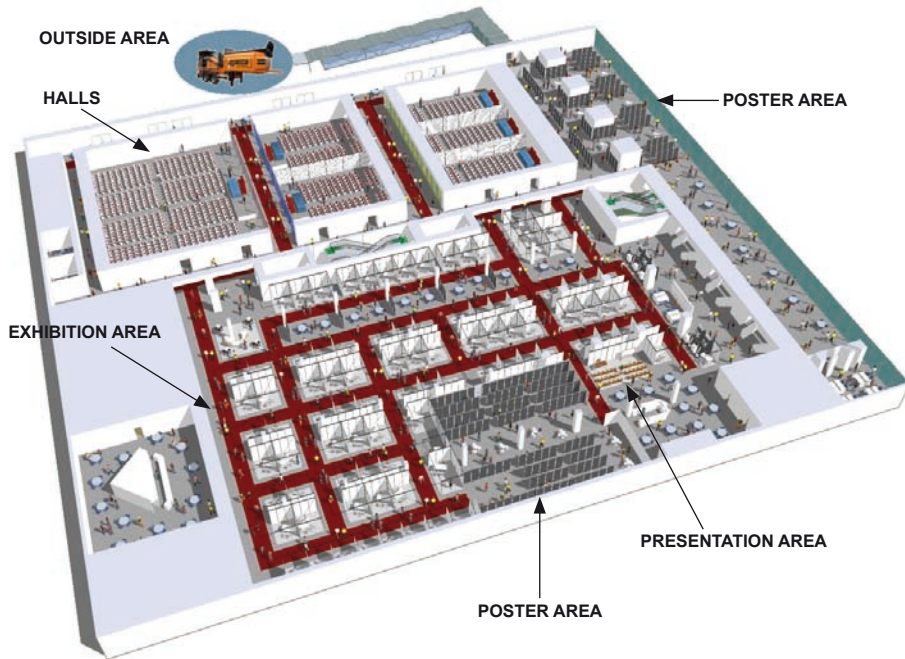
Country of origin of participants

The growing numbers of participants at the 2011 edition anticipate the size of the event in 2012 in Italy. It is to be called the Italian biomass event of the year, dedicated to sustainable energy with a high international acclaim.



*Origin of participants
in Berlin 2011*

Overview of the event site



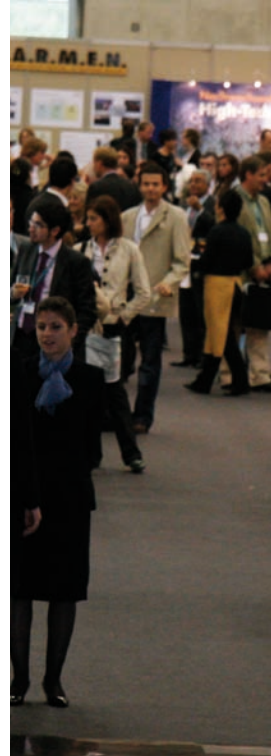
Where business convenes

The 20th European Biomass Conference and Exhibition, one of the most important events of the sector, provides an exclusive international platform for exchange between experts in the field of research, industry and politics.

About 2,000 participants from 70 countries are expected to discuss new markets, production methods and applications, as well as policies, standards and incentives in the field of biomass.

The EU BC&E in Italy offers unique opportunities

The assumption of the binding target of 17% for renewables in Italy, and the outcome of the Italian referendum on nuclear power in 2011, have increased the interest and the initiatives of policy makers and market players in the production of renewable energy. It is now recognized by the international community, as well as by the National Action Plan for Renewables that the development of bioenergies is fundamental for the achievement of this target. With the forthcoming introduction of the Italian decree on renewables of the 28 March 2011, a further development of the biomass sector in Italy is expected, that even in past years has shown high growth rates.



Programme Outline

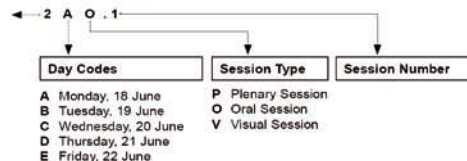
Monday, 18 June					Tuesday, 19 June				Wednesday, 20 June				Thursday, 21 June				Friday, 22 June							
08:30	Conference Opening					2BO.1 T2.7	1BO.2 T1.5	5BO.3 T5.1/5.3/ 5.5	1BV.1 T1.1/1.2	2CO.1 T2.2	3CO.2 T3.4	1CO.3 T1.3	2CV.1 T2.7	5DO.1 T5.2	1DO.2 T1.4	3DO.3 T3.2	3DV.1 T3.4/3.5/ 3.6	5EO.1 T5.8	3EO.2 T3.5	2EO.3 T2.5	08:30			
	4AP.1 Plenaries + keynote					Break				Break				Break										
10:30	World Forum on "Food, Fuel and the Environment: The Bioenergy Challenge"					1BP.1 Plenaries + keynote				2CP.1 Plenaries + keynote				3DP.1 Plenaries + keynote				5EP.1 Plenaries + keynote			10:00			
13:00						Lunch					Lunch				Lunch				Lunch				Conference Closing	
13:30	World Forum					2AO.1 T2.6	4AO.2 T4.1/4.2	1AO.3 T1.1	5AV.1 T5.1/5.2	2BO.4 T2.1	1BO.5 T1.1	5BO.6 T5.2	2BV.2 T2.3/2.4	2CO.4 T2.3	3CO.5 T3.1	1CO.6 T1.3	2CV.2 T2.5	5DO.4 T5.2	2DO.5 T2.4	3DO.6 T3.6	1DV.2 T1.3	13:30		
15:00						Break				Break				Break				Break						
15:15						2AO.4 T2.6	4AO.5 T4.4	1AO.6 T1.1	5AV.2 T5.3/5.4/ 5.5	2BO.7 T2.1	1BO.8 T1.2	5BO.9 T5.2/5.4	4BV.3 T4.1/4.2	2CO.7 T2.3	3CO.8 T3.3	1CO.9 T1.3	1CV.3 T1.4/1.5	5DO.7 T5.8	2DO.8 T2.5	3DO.9 T3.5	2DV.3 T2.6			
16:45						Break				Break				Break				Break						
17:00						2AO.7 T2.7	4AO.8 T4.3	1AO.9 T1.1	5AV.3 T5.6/5.7/ 5.8	2BO.10 T2.1	1BO.11 T1.2	5BO.12 T5.6/5.7	4BV.4 T4.3/4.4	2CO.10 T2.4	3CO.11 T3.3	1CO.12 T1.3	2CV.4 T2.1/2.2	5DO.10 T5.8	2DO.11 T2.5	3DO.12 T3.5	3DV.4 T3.1/3.2/ 3.3			
18:30																								

Welcome Reception

EU BC&E Dinner

Topics / Subtopics	1 Biomass Resources T1.1 Biomass potentials and biomass mobilisation T1.2 Biomass feedstock, residues and by-products T1.3 Energy crops and energy grasses T1.4 Short rotation forestry and short rotation coppice T1.5 Algae production systems	T3.4 Production and supply of biomethane T3.5 Bioethanol production and sugar release from lignocellulosic biomass T3.6 Biofuel production from synthesis gas
	2 R&D on Biomass Conversion Technologies for Heating, Electricity and Chemicals T2.1 Solid biofuel combustion for small and medium scale applications T2.2 Solid biofuel combustion for large utility T2.3 Gasification for power, CHP and polygeneration T2.4 Gasification for synthesis gas production T2.5 Pyrolysis and other biomass liquefaction technologies T2.6 Anaerobic digestion for biogas production T2.7 Biorefineries	4 Industrial Demonstration and Business Concepts T4.1 Biofuels utilisation for heating and cooling T4.2 Biofuels utilisation for power generation T4.3 Biofuels for transport T4.4 Industrial biorefineries and bio-products
	3 R&D on Processes for Solid, Liquid and Gaseous Fuels from Biomass T3.1 Production and supply of solid biofuels T3.2 Advanced solid biofuels T3.3 Oil-based biofuels	5 Biomass Policies, Markets and Sustainability T5.1 International bioenergy trade T5.2 Sustainability assessment and criteria T5.3 Standardisation T5.4 Assessment of bioenergy effects T5.5 Investments and financing of bioenergy projects T5.6 International cooperation T5.7 Competition between various types of biomass use T5.8 Biomass strategies and policies

Session Code



Conference Sessions

MONDAY, 18 JUNE

- 4AP.1 Current and Future Industrial Biomass Use
- 2AO.1 Management of Biogas Supply Systems
- 4AO.2 Biomass Utilisation for Heating, Cooling and Electricity
- 1AO.3 Planning Tools for Bioenergy Plants
- 2AO.4 Innovation in Anaerobic Digestion
- 4AO.5 Industrial Biorefineries and Bio-Products
- 1AO.6 Sustainable Biomass Potentials and Availability Assessments (1)
- 2AO.7 Biorefinery Concepts
- 4AO.8 Advanced Biofuels for Transport
- 1AO.9 Sustainable Biomass Potentials and Availability Assessments (2)

TUESDAY, 19 JUNE

- 2BO.1 Biorefineries
- 1BO.2 Algae Production Systems
- 5BO.3 Market and Sustainability Issues
- 1BP.1 Sustainable Biomass Potentials and Pre-Treatment
- 2BO.4 Emissions from Small Scale Combustion
- 1BO.5 Biomass Cost Assessments and Logistics Issues
- 5BO.6 Sustainability Standardisation and Certification
- 2BO.7 Small Scale Combustion Technologies
- 1BO.8 Agricultural Residues and By-Products (1)
- 5BO.9 Biomass Sustainability Assessment and Monitoring
- 2BO.10 Combustion Modelling and Applications
- 1BO.11 Agricultural Residues and By-Products (2)
- 5BO.12 International Bioeconomy Developments

WEDNESDAY, 20 JUNE

- 2CO.1 Large-Scale Biomass Power Production
- 3CO.2 Production and Distribution of Biomethane
- 1CO.3 Nutrients Recycling from Bioenergy Systems
- 2CP.1 Recent Developments in Thermochemical Biomass Conversion
- 2CO.4 Demonstration of Novel Gasification Systems
- 3CO.5 Production and Supply of Solid Biofuels
- 1CO.6 Energy Crops and Energy Grasses
- 2CO.7 Gasification Products and By-Products Use and Upgrading
- 3CO.8 Biofuels from Algae
- 1CO.9 Perennial Grasses and Bioenergy Production
- 2CO.10 Tar Analysis and Reforming in Gasification Systems
- 3CO.11 Oil-based Biofuels
- 1CO.12 Sorghum Production for Energy Use

THURSDAY, 21 JUNE

- 5DO.1 Sustainability Policies
- 1DO.2 Short Rotation Forestry
- 3DO.3 Torrefaction and Carbonisation
- 3DP.1 Key Developments in Fuel Technologies
- 5DO.4 Sustainability Assessment and Criteria
- 2DO.5 Gasification Process Analysis
- 3DO.6 Biofuel Production from Synthesis Gas
- 5DO.7 National Bioenergy Programmes
- 2DO.8 Pyrolysis and other Biomass Liquefaction Technologies
- 3DO.9 Towards Lignocellulosic Ethanol Deployment

- 5DO.10 Biomass Strategies and Policies
- 2DO.11 Pyrolysis of Special Feedstock
- 3DO.12 Technologies for Lignocellulosic Sugars and Ethanol Production

FRIDAY, 22 JUNE

- 5EO.1 Biogas and Other Renewable Energies Produced on Farms
- 3EO.2 Feedstocks and Processes for Lignocellulosic Ethanol and Sugars
- 2EO.3 Pyrolysis Products
- 5EP.1 Biomass Policy, Sustainability and Markets



The leading platform for the biomass specialists

Following the review of nearly 1,000 abstracts applying for presentation, the International Scientific Committee, made up of 140 leading experts from the global biomass community, has composed the programme of this trend setting Biomass Conference.

Under the guidance of Conference General Chairman Dr. Bernd Krautkremer, Fraunhofer Institute IWES, Head of Bioenergy System Technology, and Technical Programme Coordination of Dr. Heinz Ossenbrink, David Baxter, and Jean-Francois Dallemand, European Commission, DG Joint Research Centre, Institute for Energy and Transport, the scoring results have been discussed. The Conference Programme has been defined and structured with more than **880 presentations** in **24 Plenary**, **240 Oral** and more than **620 Visual Poster Presentations**. In **4 Keynote Presentations**, high ranking speakers from international research facilities and from the global Biomass industry give an overview and outlook on the latest technologies and future challenges of biomass.



2012 Special Focus / Parallel Events

In addition to the Conference Programme, the 20th EU BC&E features thematic highlights with strong industry relevance. These are “conference-in-conference” events that fully address current “hot topics” in the biomass sector.

Complementary to the broad programme of the Conference sessions and special events, an event dedicated to the immediate future developments of biomass production and employment in the biomass industry in Italy is scheduled.

Representatives of the bioenergy associations will discuss contributions and opinions of the main institutes, companies and industries which have demonstrated a particular commitment in the research and promotion of innovative systems and products in the biomass and bioenergy sector.

OVERVIEW OF PARALLEL EVENTS

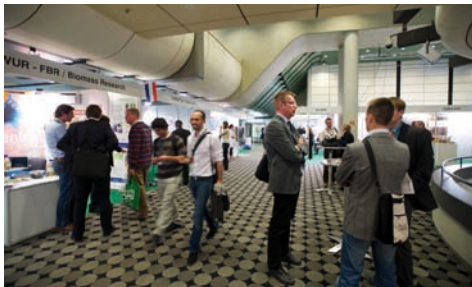
- Biofuels in Aviation - “Upstream R&D and Innovation”
- Biogas goes Europe and Biowaste to Energy
- EuroBioRef Workshop: Future Prospects for Biorefineries
- Job Opportunities in the Biomass / Bioenergy Sector
- Biogas Upgrading and Grid Injection
- Biomass and Bioenergy: an Investor’s Perspective - Challenges and Opportunities for the Financial Community
- Italian Biomass Forum
- Bioenergy in Smart Grids
- Torrefaction Workshop: Market Implementation of a new Solid Biofuel and its midterm Prospects
- Workshop on Sampling, Detection and Quantification of Impurities in Gases from Thermochemical Biomass Conversion Process - “Gas Analysis Workshop”

AND THE SPECIAL EVENT:

- World Forum on “Food, Fuel and the Environment: The Bioenergy Challenge”

Audience profile

- Project Developers / Planners
- Installers
- Distributors
- Production Material
- Equipment Manufacturers / Technology Providers
- Research & Development
- Energy Consulting
- Investment / Financial Consulting
- Engineering / Architectural Consulting
- Utilities / Power generation / Energy companies
- Organizations, Associations
- Public Authorities
- Supply chain



Exhibition

The 20th EU BC&E - Exhibition will take place in parallel to the Conference at the Milano Convention Centre - MiCo - Italy, from 18 to 21 June 2012. The 20th EU BC&E, provides an excellent international platform for exchange between experts in the field of research, industry and politics. The exhibition area for the 20th EU BC&E is expanded in 2012 compared to 2011 and is adapted to new industry topics.

WHO SHOULD EXHIBIT?

- Equipment Manufacturers
- Suppliers and Technology Producers
- Component Equipment Suppliers
- Research and Development Organisations
- Finance Providers and Investment Institutions
- Project Developers and Operators
- Consulting Companies
- Associations

4 GOOD REASONS TO JOIN THE EXHIBITION

- Present your company, products and services to a broad audience of biomass specialists
- Create and enhance successful business opportunities by meeting colleagues, researchers, experts, industry players and decision makers
- Get updated with the latest research and industry developments in the worldwide biomass sector in order to adapt your marketing strategies

- Ensure the presence of your company at an international event with a significant annual contribution to the enhanced growth of this sector

Meet leading experts of the biomass field, to discuss new concepts, trends and developments in industry and science. Network with the key players. Learn about good practices. Participate in interactive and high level debates and listen to well established experts speaking and addressing hot topics. Take the chance to build strategic partnerships.

Presentation Area

A dedicated area accessible free of charge for all participants and all visitors of the EU BC&E.

Be informed about new products, projects and latest news.

This is an interactive platform for getting informed and for discussing latest product innovations, projects and activities, in direct contact with the who-is-who of the Biomass industry.

The **Exhibitors Presentations** are scheduled on Tuesday and Wednesday from 10:00 to 16:00.

The **Projects Presentations** are scheduled on Monday from 13:30 to 16:00 and on Thursday from 10:00 to 16:00.

The four days programme and further information will be available on the event website www.conference-biomass.com.

Dates

Conference 18 - 22 June 2012

Exhibition 18 - 21 June 2012

Location

Milano Convention Centre - MiCo
Milan, Italy

Opening hours

Conference:

From Monday to Thursday 08:30 - 18:30

Friday 08:30 - 13:30

Exhibition:

From Monday to Thursday 08:30 - 18:30

Attendees

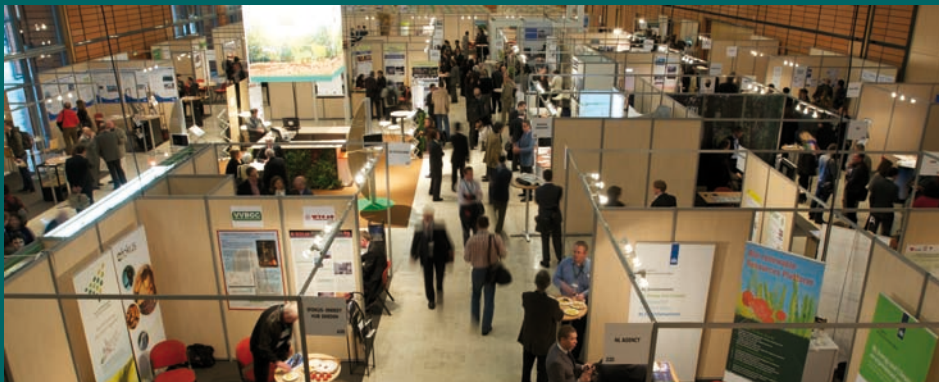
2.000 (expected)

Conference Registration

Available online at www.conference-biomass.com
Regular prices available until 16 June 2012

Admission to the Exhibition

The entrance to the Exhibition is free of charge. The registration is required to receive the Exhibition Visitors Pass.



For more information please contact:

ETA-Florence Renewable Energies

Tel. +39-055-500 22 80

Fax +39-055-57 34 25

E-mail: biomass.conference@etaflorence.it
biomass.exhibition@etaflorence.it

WIP-Renewable Energies

Tel. +49-89-720 12 765

Fax +49-89-720 12 791

E-mail: biomass.conference@wip-munich.de
biomass.exhibition@wip-munich.de



www.conference-biomass.com • www.exhibition-biomass.com • www.eubce.com