

# bioenergy international expo & conference

Barcelo Hotel, Prague,  
Czech Republic  
**5-6 May 2010**

# 2010

**Free entry  
to exhibition**

**The place to grow your bioenergy business!**



**Register Online at [www.biofuelsinternationalexpo.com](http://www.biofuelsinternationalexpo.com)**

## Welcome!

**Bioenergy International expo & conference** returns this year with a new name, new location and new focus! The event, now in its third year, will be held in Prague on 5-6 May and will have three streams looking at biodiesel, bioethanol and bioenergy.

With all the media speculation surrounding biofuels and their impact on food security, food prices and emissions reductions, the industry is now focusing more than ever on second generation biofuels.

Research into new sustainable sources of biomass and efficient conversion technologies is moving at a rapid pace, driven largely by government targets. For the same reason countries all over the globe are looking at using biomass as a source of renewable power generation.

However, as with ethanol and biodiesel, bioenergy projects come with their own set of challenges. High capital costs involved in establishing biomass power plants are a major deterrent to investment and fuel quality is also a recurring issue as biomass often has a high moisture content.

These issues and more will be addressed at **Bioenergy International expo & conference** and with over 500 visitors attending in 2009, 2010 promises to be even bigger and better.

The event, which is organised by leading global magazine **Biofuels International**, will also look in depth at second generation biodiesel, cellulosic ethanol, ways to source sustainable biomass, pyrolysis technology, the potential of biogas across Europe, developments in the use of bioenergy for aviation, future feedstocks such as algae and jatropha and the challenges of storing and handling both biomass and biofuels.

If you are looking at one event this year then it must be the third **Bioenergy International expo & conference**. We look forward to welcoming you to Prague in May 2010!

**Margaret Garn**  
Conference coordinator



### Event partners



### Association partners



### Biodiesel plant tour - Tuesday 4th May

Preol is a leading producer in the Czech Republic, which has just completed constructing a state-of-the-art biodiesel plant in the industrial region of Lovosice. The plant, designed by Desmet Ballestra, has the capacity to produce 100,000 tonnes of FAME biodiesel and 10,000 tonnes of glycerine a year. It also has an integrated oil mill capable of processing 400,000 tonnes of rapeseed and producing 160,000 tonnes of rapeseed oil, as well as 230,000 tonnes of rape meal a year.

- 11.00** Coach departs from Hotel Barcelo in Prague (45 minute journey)
  - 12.00** Welcome address by Preol's Chairman Martin Kubu
  - 12.30** Tour of the biodiesel plant including technical explanations of the equipment and processes used
  - 13.15** Lunch will be provided to delegates
  - 15.00** Delegates arrive back at Hotel Barcelo
- This tour is free to all paying delegates.*

### Hear from speakers including:



**H.E. Mr. Jan Dusík,**  
Minister of the Environment  
for the Czech Republic



**Gunter Festel,**  
CEO, Butalco



**Robert Gmyrek,**  
Director, Biofuels Department,  
PKN Orlen



**Jaroslav Pešek,**  
Head of quality and strategic  
reserves department,  
Cepro



**Sean Sutcliffe,**  
CEO, Green Biologics



**Duncan Barker,**  
Senior principal engineer,  
Renewable Generation -  
Bioenergy and Low  
Carbon Processes, Mott  
McDonald



**Emmanuel Desplechin,**  
Chief representative in the EU,  
UNICA (Brazilian sugarcane  
association)

**Marc Gillmann,**  
Bioenergy director, Total

**Ivan Soucek,**  
CEO, Ceska Rafinerska

**Dag Roger Rinde,**  
Managing director, Statoil Energy &  
Retail Norway

**Miroslav Bažata,**  
Head of biofuel sales, Agropodnik

**Antti Pasanen,**  
Managing director,  
St1 Biofuels Oy

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# Conference Programme

 Day 1: Wednesday 5th May

## SESSION ONE: EUROPEAN BIOFUEL MARKET TRENDS

### 8.00 Conference and exhibition registration

### 9.00 Moderator's opening remarks: Sustainable Energy Europe

*Masha Tarle, Sustainable Energy Europe, (Campaign of the European Commission)*

### 9.15 Keynote address: Market overview and growth trends in Europe

*H.E. Mr. Jan Dusik, Minister of the Environment for the Czech Republic*

### 9.45 Biofuels across CEE: integration into refineries

- Biofuels production within Central and Eastern Europe
- Technical issues surrounding the logistics, receipt, storage and blending of biofuels
- Government mandates
- Measuring emission reductions
- Moving towards advanced biofuels

*Ivan Soucek, CEO, Ceska Rafinerska*

### 10.15 Tea/Coffee break in Exhibition Hall

### 10.45 Biofuels challenges for the Aviation Industry

- criteria, technical challenges and solutions
- Xavier Montagne, Deputy scientific director, French Institute of Petroleum (IFP)*

### 11.10 Harmonisation of EU-27 biofuel greenhouse gas performance calculations

- Complying with the Renewable Energy directive and the Fuel quality directive
  - Creating complete transparency in GHG calculations for each biofuel production pathway
  - Helping producers calculate actual GHG values
- John Neef, Coordinator biofuels programme, NL Agency (Government programme)*

### 11.35 Development of measurements and standards for biofuels

- Existing (certified) reference materials and calibration materials for the analysis of bioethanol and FAME
- Use of reference materials to improve the quality of fuels and comparability of fuel properties worldwide
- Characterising biodiesel and ethanol fuel properties
- The need for validation of standards and measurement methods for biofuel and fossil fuel blends and new generation biofuels

*Annarita Baldan, VSL, chair of EU project BIOREMA (REference MAterials for BIOfuel specifications)*

### 12.00 Risk management: understanding swaps to manage price and counterparty risk

- The relationship between physical and financial biodiesel and ethanol markets
- Ethanol & biodiesel fundamentals, risk management and hedging instruments
- Benefits of central clearing and how to apply to OTC market

*Lisa Kallal, Manager, Commodities & Alternative Investments EMEA, CME Group*

### 12.25 Case study: Biodiesel production in the Czech Republic

- Product capacities and future demand
- Developing the B30 and B100 market
- Overview of local legislation and a look to the future

*Miroslav Bažata, Head of biofuel sales, Agropodnik*

### 12.50 Latest updates on European ethanol policy

- Fuel Quality directive
- Meeting the Renewable Energy Directive
- A closer look at last year's production levels
- Feedstock choices across Europe

*Rob Vierhout, Secretary General, European Ethanol Fuel Association (eBIO)*

### 1.15 Networking lunch in exhibition hall

### Bioenergy stream

### 9.45 Moderator's opening remarks

*Ruzena Svedelius, BTF-Biological TransFormation of Renewable Organic Material, Sweden*

### 10.00 Biogas in the EU – Current situation and future outlook

- Review of biogas in the EU
- Market trends and future outlook
- EU policy and regulation

*Jan Stambasky, Executive board member, European Biogas Association*

### 10.30 Characterisation of bio oil produced from wet organic waste

- Production of bio oil from wet organic waste by catalytic conversion
- Use of biooil as a substitute for fossil fuels in oil burners (demonstration)

*Sune D. Nygaard, Danish Technological Institute*

### 11.00 Tea/coffee break in exhibition hall

### 11.30 Biological desulphurisation of biogas

- Reusing waste water
- The need for reducing the H<sub>2</sub>S content in biogas
- Explaining the biological scrubbing process

*Cristian Toscano, Sales engineer, Biogasclean*

### 12.00 Upgrading biogas for transportation

*Tomas Vorisek, SEVEN Energy*

### 12.30 Developments in the bio-ether market

- Trends in production
- Imports, exports and latest research results
- Producing bio-ethers from wheat, sugarbeet and cellulosic biomass
- Largescale biogas production

*Walter Mirabella, Managing director, Lyondell Italia*

### 1.00 Networking lunch in exhibition hall

## SESSION TWO: FUTURE FEEDSTOCK OPTIONS & TECHNOLOGY

### Advanced biodiesel stream

### 2.15 Moderator's opening remarks

*William Thurmond, Emerging Markets Online*

### 2.30 Building a sustainable algae business model

### 2.55 Working with used cooking oil

- Challenges of working in Bosnia
  - Potential opportunities in eastern Europe
  - Biodiesel: feedstocks (including jatropha) production and distribution
- Boro Vukadinovic, Founder, System Ecologica*

### 3.20 Tea/coffee break in exhibition hall

### 3.50 Second generation biodiesel refineries in action today

- Second generation continuous flow technology
- Meeting international standards using a robust adaptive production and purification process
- Sourcing sustainable feedstock
- Challenges of working in Turkey

*David Zeidman, VP of business development, Biofuel Turnkey Plants*

### 4.15 Hydrogen-treated biodiesel: a better alternative?

- Properties and performance
- Comparison with biodiesel and diesel

*Duckhan Kim, Principal researcher, SK Energy*

### 4.35 New biofuel production pathways

- Direct liquefaction
- Gasification-FT synthesis
- Synergies between biofuels and petroleum refining

*Michel Bloch, Senior business development manager, Axens*

### Advanced bioethanol stream

### 2.15 Moderator's opening remarks

*Sean Sutcliffe, CEO, Green Biologics*

### 2.30 Ethanol production from waste materials - a commercial example today

- Technical issues relating to profitability
- Emission savings
- How to achieve quick production start-up

*Antti Pasanen, Managing Director, St1 Biofuels*

### 2.55 Bioethanol from spent liquors of pulp production

*Fritz Struber, Head of technology, M-real Hallein AG*

### 3.20 Tea/coffee break in exhibition hall

### 3.50 Brazilian sugarcane ethanol – a sustainable alternative

- Update on production and use of sugarcane in Brazil
- Sustainability of production and proof of compliance: the industry's approach to certification
- Evaluating the challenges to overcome within the EU to facilitate market expansion

*Emmanuel Desplechin, Chief representative in the EU, UNICA (Brazilian sugarcane association)*

### 4.15 Maximising the economic viability of biobutanol

- Reducing the cost of production
  - Examining the use of thermophilic bacteria
  - Retrofitting technology into ethanol facilities and creating biorefineries
  - Processing waste and by-products
- Sean Sutcliffe, CEO, Green Biologics*

### 4.35 Producing ethanol and biobutanol from lignocellulosic biomass

- New biobutanol/ethanol fermentation process
  - Advantages of yeast over other technology
  - Biobutanol as an advanced biofuel
  - Importance of C5 technology
  - Outlook for second generation ethanol/biobutanol in Europe
- Gunter Festel, CEO, Butalco*

5.00 Close of day 1:



**Drinks reception in exhibition hall**



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# Conference Programme

 Day 2: Thursday 6th May

## SESSION THREE: EUROPEAN BIOFUELS MARKET OUTLOOK

### 9.00 Moderator's opening remarks

*Claudiu Covrig, Biofuels research analyst, Kingsman*

### 9.15 Latest regulations and innovations needed to reach 2020 biofuel targets

*Marc Gillmann, Bioenergy director, Total*

### 9.45 Execution of targets for Biofuels versus quality of fuel

*Robert Gmyrek, Director, Biofuels Department, PKN Orlen*

### 10.15 Supply and demand balances by country

- Analysis for biodiesel and bioethanol
  - 2010 production and demand estimates
  - Role of the legal framework and impacts on biofuels consumption
  - Longterm outlook to 2020
- Christophe Cogy, Tallage*

### 10.45 Tea/Coffee break in Exhibition Hall

### 11.10 Latest biofuels developments in Spain

- Developments in policy and their impact on the market
- Updates on Spanish biofuels industry

- Round up of biofuel projects across Spain
- Promoting second generation fuels

*Carlos Alberto Fernández López, Head of biofuels department, IDAE (Ministry of Industry, tourism and trade, Spain)*

### 11.45 The struggle for biofuels in Norway

- Overcoming the obstacles of introducing ethanol and biodiesel blends
  - Local regulations and government targets: the need for long term incentives and rewards
  - Statoil's biofuel experiences in Scandinavia, the Baltics, Russia and Poland
  - Long term market outlook
- Dag Roger Rinde, Managing director, Statoil Energy & Retail Norway*

### 12.15 Sustainability case study

- Results from supply chain audit for major biodiesel producer
  - Measuring GHG savings
- Adrian Mason, business development manager, Inspectorate*

### 12.45 Networking lunch in exhibition hall

## Bioenergy stream

### 9.45 Moderator's opening remarks

*Gerhard Muggen, General manager, BTG Bioliquids BV*

### 10.00 Case study: largest pyrolysis-oil producing plant in Europe

- Why treat biomass?
- Upgrading pyrolysis oil to transportation fuel
- Pyrolysis as a starting point for biorefineries
- Fundamentals of pyrolysis technology

*Gerhard Muggen, General manager BTG Bioliquids BV*

### 10.30 Role of biomass in the European National Renewable Energy Action Plans

- International, national and regional policies
  - The benefit of infrastructure subsidies and R&D grants
  - Production and consumption levels across Europe
- E. Emrah Hatunoglu, Planning expert, State Planning Organisation, Turkish Government*

### 11.00 Tea/coffee break in exhibition hall

### 11.30 Development of the UK's largest dedicated biomass power plant

- Route map to successful project completion
- Unexpected issues during construction
- Overcoming planning challenges

*John Cherrie, Business development director MottMacdonald*

### 12.00 Producing bioenergy from biomass

- Advantages of genetically improved biomass crops
  - Producing both bioethanol and biodiesel
  - Working with feedstocks from jatropha to cellulosic plants
- Ashok Hansraj, Global Green*

### 12.30 Biomass sourcing and logistics: From theory to practice

- Insight into biomass handling
  - Efficient paper mills
  - Integrated biorefineries and power plants
- Hubert Röder, Povyry*

### 1.00 Networking lunch in exhibition hall

## SESSION FOUR: STORAGE, HANDLING AND QUALITY CONTROL

### Storage and handling

#### 2.15 Moderator's opening remarks

#### 2.30 Biofuels storage & blending challenges

- Mixing fossil fuels with biocomponents Pilot projects - pipeline transportation
- Legislation framework in the Czech Republic
- Biofuels impact on the international oil sector

*Jaroslav Pešek, Head of quality and strategic reserves department, Cepro*

#### 3.00 Corrosion protection

- Protection against contamination
- Moisture removal
- Suitable coatings and linings

*Elisabetta Sartirana, Solvay Solexis*

#### 3.30 Tea/coffee break in exhibition hall

#### 4.00 Measuring contamination in liquid fuels

- Microbial contamination and its impact
- Current microbial test methods
- A new approach to analysing contamination

*Gerrit Kadijk, Biofuels and sustainable transport consultant, TNO Science and Industry*

#### 4.30 Storage and handling challenges

- Challenges of storing biodiesel onsite

*Phil Armstrong, Additives and blending specialist, Honeywell Enraf*

### Project and risk management stream

#### 2.15 Moderator's opening remarks

#### 2.25 Plant planning, design and construction challenges

- Round up of major biodiesel and ethanol plants in construction
- A look at the technology chosen and why
- Overcoming design and construction obstacles
- Case study: An in-depth look at biodiesel plants being constructed in Slovakia

*Julius Forsthoffer, Association of Manufacturers of Alcohol in Slovakia  
Roman Kharchenko, Amarant, Ukraine  
Tomas Cvengros, Chemoprojekt*

#### 2.50 Getting bioenergy projects to financial close – the lender's engineer perspective

- Risk mitigation challenges for project developers
- Key factors for a bankable bioenergy project
- Strategies to maximise the chances of getting projects to financial close
- Project agreements, technology choice contracting strategies, location and logistics

*Duncan Barker, Senior principal engineer, Renewable Generation – Bioenergy and Low Carbon Processes, Mott McDonald*

#### 3.15 Tea/coffee break in exhibition hall

#### 3.45 Hedging in the biofuels market

- Hedging vehicles in the European market
  - Planning and modelling of hedging strategies
  - Measuring of hedging effectiveness
  - Interconnectedness of the biofuels and the commodities markets
- Martin Ziegelbäck, Hedging.eu*

#### 4.10 Commodity trading and risk management

- Import/export levels across Europe
- Trade outlook for 2010
- Industry trends

*Václav Wagner, CEO, Amasis Investments*

#### 4.35 Critical Success factors for a Bioethanol Plant

*Sunil Rohom, Business development manager, Praj*

### 5.00 Close of conference

\*Please note that speakers and topics may be subject to confirmation and alteration. All information was correct at time of going to press.

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🌱 How to book your space

**A number of options for your space and sponsorship exist. Please contact:**

**Pierre-Gomis Diallo,**  
 Tel: 00 44 (0) 208 648 7092  
 Email: pierre@biofuels-news.com

**David Kelly,**  
 Tel: 00 44 (0) 208 687 4156  
 Email: david@biofuels-news.com

‘The key issues, different technologies and development of biofuels highlighted in the conference were well-described and a valuable source to us. The networking opportunities and conference were also of the good level we expected’

**Hémeline Macret, market analyst, Tallage**

‘We had lots of delegates from as far away as South America visit our stand. With the contacts we had, it was certainly justified to be here’

**Thomas Hielscher, general manager, Hielscher Ultrasound Technology**

🌱 Previous exhibitors:

- Ablemarle
- Aesseal
- Alfa Laval Benelux B.V
- BDI Biodiesel International
- Bruker Optics B.V
- Buchi Switzerland
- CC Jensen Benelux B.V
- Chemtec
- Dandong Research Institute for Science
- Emerging Markets Online
- Endress + Hauser GmbH+Co.KG
- Desmet Ballestra
- Fike Europe
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**Pre-event networking & exclusive web access to conference presentations**

All delegates attending the conference will be able to network online prior to the event with speakers and other delegates. Following the event you will receive a password and link to access all the conference presentations on a secure website.

🌱 Media partners include:



**Register Online at [www.biofuelsinternationalexpo.com](http://www.biofuelsinternationalexpo.com)**

# Registration

Delegate price includes free plant tour on 4th May!

## 5 Easy Ways to Register

- Online:** www.biofuelsinternationalexpo.com
- Email:** Margaret@biofuels-news.com
- Phone:** +44 (0) 20 8648 7082
- Fax:** +44 (0) 20 8687 4130
- Mail:** Horseshoe Media Ltd  
Biofuels International Expo  
Marshall House,  
124 Middleton Road,  
Morden, Surrey, SM4 6RW, UK

## Pricing

Admission to the exhibition is free of charge for all. However, we would recommend registering now in order to save time on the day.

The charge to attend the conference is **€975** (excluding VAT) for both days or **€575** (excluding VAT) for only one day. The price includes lunch, tea/coffee, online networking before the event and exclusive web access to conference presentations after the event. Please note it is your own responsibility to obtain a visa and invitation letters as we will not provide these.

### Registering for:

- Conference & Exhibition
- Exhibition only
- Plant tour

### Days Registering for:

- One day
- Two days

Please indicate which afternoon session you would like to attend. This is only to ensure there is sufficient space in the conference hall and delegates will still be able to move between sessions.

### Session Stream

- 2  Biodiesel stream
- Bioethanol stream
- Biogas stream
- 4  Storage and handling stream
- Fuel quality and sustainability stream
- Bioenergy stream

## Cancellation Policy

For cancellations the following refunds will be applicable:

- Up to 4 weeks before: 75% refund
- Up to 2 weeks before: 25% refund
- Up to 3 weeks before: 50% refund
- 1 week before or less: 0% refund

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## Delegates Details

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Name

Job Title

E-mail

Phone

Name of approving manager

Company sector (please tick box)\*:

- Producer  Equipment supplier  Manufacturer
- Other (please specify)

### Attendee 2

Name

Job Title

E-mail

Phone

### Attendee 3

Name

Job Title

E-mail

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**Second delegate is entitled to 10% discount and third to a 20% discount**

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