

Global Biofuels Summit 2011

26th -27th January 2011, Hotel Miramar, Barcelona, Spain

EXPERT SPEAKERS WHO HAVE BEEN INVITED TO SHARE THEIR MARKET INSIGHT WITH YOU INCLUDE:

André Aranha Corrêa do Lago, Brazilian Ministry of External Relations, Director of the Department of Energy, Global Bioenergy Partnership, Brasil, Co-Chair

Humberto S. Brandi, Ministry of Development, Industry and Foreign Trade (Inmetro), Brasil, Director

Bill Hagy, Director of Alternative Energy Policy- USDA, U.S

Carlos Alberto Fernandez Lopez, IDAE, Spain
Head of Biofuels Department

Richard Kamin, US Navy Fuels, US, Navy Fuels Lead
Senior representative, European Commission, Belgium

Rob Vierhout, ePURE, Belgium, Secretary General

Kevin McKinley, International Organization for Standardization, Switzerland, Deputy Secretary General

Jeff Grove, ASTM, U.S Vice President-Global Policy & Industry Affairs

Stanislav Miertus, United Nations Industrial Development Organization (ICS-UNIDO), Italy, Chief of Area

Jozsef Popp, Research Institute for Agricultural Economics, Hungary, Director

Dörte Bieler, WWF Germany, Sustainability of Biomass

Dorothee Lahaussais, Toyota Motor Europe, Belgium
Manager

Dr. Candace Wheeler, General Motors, US, Technical Fellow

Pierre Macaudiere, PSA Peugeot Citroen, France
Head of chemistry and fuels

Mark Stowers, Poet, US
Senior Vice President of Science and Technology

Jarmo Honkamaa, Neste Oil, Finland
Deputy CEO and Executive Vice President

Jorgeo Rodrigues, Petrobras Biofuels, Brasil
General Manager

Dr. Marc Schmid, Credit Suisse, UK
Vice President for Renewable Energy Investment Banking

Per Dahlen, Portelet Asia Pte. Ltd., Singapore, Partner

Dr. Sue Canney Davison, Pipal Ltd., Kenya, Director

Olabode Olalekan Sowunmi, Energia Today, Nigeria
Director

WHO WILL I MEET?

Biofuel Producers, Distributors, Oil, Gas and Refining Companies, Transport and Automotive Companies, Agrobusiness Companies, Commodities Analysts, Energy Traders, Technology Producers Energy Consultants, Legal Councils, Government Representatives, Associations, Academic, Major Energy Users, Banks, Investors & Insurance Companies, Agricultural Banks, Feedstock Producers, Chemical and Agricultural Suppliers, Project Developers, Consultants, Consulting Engineers

WHY I SHOULD ATTEND

Global biofuel production is starting to become a top priority for all of us and has been increasing rapidly over the last decade. This well-focused and targeted conference will provide you with the outstanding insights into future innovations and leading trends and policies of the biofuels technology. These themes will be addressed by government representatives, bioethanol & biodiesel producers, the agricultural sector, as well as the finance and investment world. You can hear an in-depth analysis of the market for biofuels in the major producing countries in Europe and worldwide. Internationally, well-known biofuels experts (from both governments and the private sector) will provide you with a global solution for the further development of next generation biofuels.

By joining this event you will

- ▶ **Exclusive session: HEAR HOW THE NAVY IS MOVING FORWARD WITH PLANS TO USE BIOFUELS IN SHIPS AND PLANES**
- ▶ **Explore the route to 2nd generation commercialization**
- ▶ **Get valuable insight into how regulatory policies, standards and certification will affect the biofuel industry in 2011**
- ▶ **Gain deeper insight into financing and investing in biofuels**
- ▶ **Look into the future: What are the Next Generation Biofuels**
- ▶ **Discover the automotive industry's future plans**

SPECIAL FEATURES

GOVERNMENTAL PANEL DISCUSSION
AUTOMOTIVE HOTSPOT
STAGE INTERVIEW

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DAY 1, 26th of January, 2011

8.30	Registration and Coffee
9.00	Welcoming note from the JFG
9.05	Opening remarks from the chair Rob Vierhout, ePURE, Belgium , Secretary General
9.10	OPENING ADDRESS KEYNOTE: Market landscape biofuels worldwide
	<ul style="list-style-type: none"> Global outlook <ul style="list-style-type: none"> What are the advantages and challenges for biofuels as a renewable fuel of the future? Beneficial comparison of biofuels production in US, Brasil and Europe Market challenges and growth trends How regulations are influencing sustainability criteria for biofuels globally?
	Rob Vierhout, ePURE, Belgium , Secretary General
9.30	CASE STUDY Cellulosic ethanol: How close is it to being commercialized in the near future?
	<ul style="list-style-type: none"> Making cellulosic ethanol a reality When will cellulosic ethanol refineries become commercially viable? Is the main challenge to collect enough biomass to supply even a small refinery? Examining the latest developments in cellulosic ethanol Strategies of commercialization <ul style="list-style-type: none"> Project development, feedstock supply chain, financing options Integration with existing infrastructure How do you overcome the challenges of commercialization? Key technologies for cellulosic ethanol production How to make cellulosic ethanol cost competitive
	Mark Stowers, Poet, US Senior Vice President of Science and Technology
10.10	Is BTL the way forward for 2nd generation biofuels?
	<ul style="list-style-type: none"> What is the progress of commercializing? Competitive large scale production of B2L fuels-progress Financing Catalytic pyrolysis of biomass for the production of green oil for diesel engines A new flash pyrolysis technology
	Reserved for a sponsor
10.50	Morning Coffee and Networking

11.20	Interactive Governmental Panel: Discover the legislative update and its effect on your business
	<ul style="list-style-type: none"> Efficient strategies for next generation biofuels Understand what the US, Brazilian government and EU can learn from each other's policies How can a sustainable biofuel market be developed within Europe? How are governments supporting the next generation biofuel projects? What are the economic and policy factors influencing biofuel development? Blending mandates What are the tariffs or import barriers? What are the tax incentives? How are governments supporting efficiency and cost-effectiveness of biofuel production? How costly are biofuel policies? Biofuels market in Spain <ul style="list-style-type: none"> Outlook: main figures Legal framework Visio: innovation & sustainability
	André Aranha Corrêa do Lago, Brazilian Ministry of External Relations , Director of the Department of Energy Global Bioenergy Partnership, Co-Chair, Brasil Senior representative, European Commission Bill Hagy, U.S. Department of Agriculture Carlos Alberto Fernandez Lopez, IDAE, Spain Head of Biofuels Department
12.20	Global Sustainability Requirements Consequences for Certification Schemes
	<ul style="list-style-type: none"> Global and EU sustainability requirements Land use change (direct and indirect) Land use planning (mapping, identification of no-go areas and low risk areas) Certification schemes: overview (RTRS, RSPO, ISCC etc.) ISCC: practical examples

- Challenges ahead (use of agricultural and forestry biomass other than for bioliquids: global sustainability requirements needed)
- Dörte Bieler, WWF, Germany**
Manager Sustainability of Biomass

13.00	Luncheon
14.00	Opening remarks from the chair

14.05	Interactive Discussion The purpose of this session is to discover new standards and measurements needed for biofuels and to discuss some of the actual and future issues for global trade
	<ul style="list-style-type: none"> International standards addressing biofuel challenges Examining how the U.S., Brasil and Europe can partner to create an international market Land use issues, sustainability and biofuel production The status of global developments to measure sustainability What are the measurement standards to support global trade of biofuels? Use of reference materials to improve the quality of fuels and comparability of fuel properties in Europe ASTM International Standards for biofuels and biomass conversation Towards the commoditization of biofuels: the standardization process Standardization process for the commoditization of biofuels
	Humberto S. Brandi Inmetro, Brasil , Director Kevin McKinley, International Organization for Standardization, Switzerland , Deputy Secretary General Jeff Grove, ASTM International, USA Vice President-Global Policy & Industry Affairs Senior representative, European Commission
15.05	Tension between food, feed, fibre and fuel production
	<ul style="list-style-type: none"> The increased population density The challenge of increasing production A higher proportion of agricultural land may be used industrially to produce more biofuel and/or fibre instead of food. Growing food on even less land, with less water, using less energy, fertiliser and pesticide Major challenges to agricultural production
	Jozsef Popp, Research Institute for Agricultural Economics, Hungary , Director

15.45	Afternoon coffee and networking
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US Navy is Testing Biofuels

16.15	How is the Navy using biofuels for its ships and planes?
	<ul style="list-style-type: none"> Biofuels for aviation-Is that the FUTURE? Developments for aviation biofuels Standardization of developments for aviation biofuels Main technology challenges of aviation biofuels Perspective from aviation engines
	A step closer to biofuel for Navy ships
	<ul style="list-style-type: none"> Discover the opportunities and challenges with Biofuels in Navy's ships Learn the developments of protocols to certify alternative fuels for use in ships Ultimate operational use of biofuels Q&A
	Richard Kamin, Naval Air Systems Command, US Navy Fuels Lead

The Oil Majors' Future Plans in Biofuels

16.55	CASE STUDY Actual challenges and future prospects for biofuels in the oil industry
	<ul style="list-style-type: none"> What is the role of biofuels in the major oil companies? Challenges and trends at present and in the future Investing in R&D Learn how to build volume in transport biofuels Biofuels is the realistic solution to reduce co2 in transport fuels Is oil going to be the next tobacco? The future is for biofuels Q&A
	Reserved for a sponsor

17.35	Closing remarks from the chair
17.40	Networking Cocktail reception

Interactive Governmental Panel

Panel Discussion

DAY 2, 27th of January 2011

8.30 Registration and Coffee

9.00 Opening remarks from the chair

▶ Vehicle Manufacturer's perspective

9.05 ▶ SPECIAL FEATURE Stage Interview with:
Dr. Candace Wheeler, General Motors, Biofuels Lead

9.25 Interactive Discussion

- 10% RE in transport by 2020 from a car manufacturer's perspective
 - o Introduction & Background
 - o National Renewable Energy Action Plans
 - o Increasing biofuels in mass market fuel
 - o Development of alternative powertrains
 - o Conclusions
- The need for energy diversity and the role of biofuels
- The role of biomass
- The current state of biofuels technology
- What GM is doing
- Issues in the Biofuels space
- Biofuels as a partial solution to environmental challenges for automobile
 - o Importance of biofuels to reduce CO2 emissions
 - o Risk of biofuels on modern engines
 - o Role of normalization to secure biofuels usages

Dorothee Lahaussis, Toyota Motor Europe, Belgium, Manager
Dr. Candace Wheeler, General Motors, US, Technical Fellow
Pierre Macaudiere, PSA Peugeot Citroen, France
Head of fuels and emissions

10.25 Morning Coffee and Networking

10.55 Challenges facing African market

▶ CASE STUDY The Challenges of implementing a biofuel frame work in West Africa: tri-party telecommunication organizations' partnership

Olabode Olalekan Sowunmi, Energia Today, Nigeria
Director/Editor-at-Large

▶ CASE STUDY The current dynamics of large scale biofuel investments in East Africa

- Types of biofuel, different feedstocks history and the state of play
- Agroclimatic mapping
- Government policies, energy foci, land, infrastructure and environmental services.
- Long term opportunities
- More immediate specific investment opportunities
- The future

Dr. Sue Canney Davison, Pipal Ltd., Kenya, Director

▶ Financing and Investing in Biofuels

11.25 Financing the biobased economy

- One of the hottest investment segments for venture capital is in technologies for the production of bio-fuels and other bio-based products.
- Why are we investing in this area and what type of deals are we looking for?
- What are the winning characteristics of a successful venture capital backed technology company?
- Once the technology has left the lab and is ready for deployment, where and how, will large-scale commercial facilities be deployed and financed?
- Q&A

Per Dahlen, Portelet Asia Pte. Ltd., Singapore, Partner

11.55 Disclosing biofuels prices, costs and tax difference between the US, Brasil and Europe

- What is driving prices in US, Brasil and Europe?
- Forward pricing structure and how it affects industry growth?
- The role of price benchmarks in biofuels markets?
- Q&A

Reserved for a sponsor

12.25 How to invest in biofuels?

- Future investment criteria in the biofuels industry
- Where's the money coming from?
 - o Business and financing models
 - o What are the key barriers to overcome?
 - o Bankability of biofuel projects
 - o Key criteria for investing in biofuel projects
 - o Q&A

Dr. Marc Schmid, Credit Suisse, UK Vice President for Renewable Energy

12.55 Luncheon

13.55 Opening remarks from the chair

14.00 How to maximize the production and return on investment (ROI) of biofuels

- How is agricultural demand in a carbon-strained world?
- Discovering significant bioenergy growth in all areas of life within this century
- Q&A

Reserved for a sponsor

14.30 What are the risk management strategies for biofuels?

- What are the strategies calculated to reduce operating costs and risks?
- How to develop risk management strategies based upon the risk tolerance and policies of each specific biofuels producer?
- Introduction to futures, forwards and swaps
- How do these financial instruments differ and what are the benefits and risks?
- Understanding the correlation of different financial products and levels of liquidity
- What are biofuels risk management tools?
- Q&A

Reserved for a sponsor

15.00 Afternoon coffee and networking

▶ Future: Next Generation Biofuels

15.30 Next generation biofuels and bio-based chemicals in the developing world: opportunities and risks

- Introduction to next generation biofuels (NGBF)
- Biobased chemicals/biorefineries development
- Sustainability issues
- Progress in R&D and industrial development in developing countries in the field of NGBF
- Challenges and risks of NGBF in the developing world
- Selected examples of ICS-UNIDO global initiatives in NGBF

Stanislav Miertus, ICS-UNIDO, Chief of Area

16.00 New kid on the block: renewable diesel from the lab to the road

- What are the benefits of renewable diesel fuel?
- Gain valuable insight into about the latest technologies for renewable diesel
- Learn about market potential and drivers
- What are the processes for renewable diesel?
- Are there special considerations in using biodiesel or renewable diesel fuels in diesel vehicles?
- What are the additional benefits of next generation renewable diesel fuels?
- How do renewable diesel fuels contribute to reductions in greenhouse gases and environmental improvements?

Jarmo Honkamaa, Neste Oil, Finland
Deputy CEO and Executive Vice President

16.30 Is algae the ultimate biofuel for the future?

- What is the real-world situation of algae biomass for biofuels?
- Advantages of both macroalgae and microalgae as a sustainable and alternative energy source
- Cost is the main challenge?
- Algae biofuel developments
- Is there more to algae than just biofuels production?
- What is the process of the commercialization of algae?

Reserved for a sponsor

17.00 Closing remarks from the chair

17.05 Farewell Coffee and Networking

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