

FUELS OF THE FUTURE



14th International Conference on Renewable Mobility
23/24 January 2017 | Berlin

Call for papers

FUELS OF THE FUTURE



14th International conference on renewable mobility

23/24 January 2017 - CityCube Berlin

Organizers:





Conference

Since 2002, the specialist conference has been providing the global biofuel industry and other interest groups a platform for the exchange of views and the transfer of information. The strength of the conference is that it brings together all the relevant market players with the aim of directly addressing the needs of the biofuel industry – a conference offered by the industry for the industry.

More than **500 participants from around the world** are again expected in January 2016, among them representatives from raw material production and logistics, biofuel producers, representatives from the oil industry, from vehicle technology and the automotive industry, from politics, auditors and environmental verifiers, from the certification systems along with scientists and researchers. The international specialist conference “Fuels of the Future 2016” is the leading event of the German biofuel industries and a major forum for discussion for German, European and global biofuels policy. The conference is supported by Landwirtschaftliche Rentenbank.

Call for Papers

The organizers cordially invite you to participate in the design of the programme for the upcoming international specialist conference on biofuels “Fuels of the Future 2015” in Berlin and to submit presentation proposals. Is there any topic that you would like to present and to discuss with the representatives from politics and the industry? Or are you currently involved in a project whose results are of interest for the conference participants?

If you are interested in delivering a presentation at a panel or in one of the numerous specialist forums, we would like to ask you to please send your **proposal** with the attached reply form and a short abstract by **17 June 2016** to the German BioEnergy Association. The decision on the acceptance of your proposal will be made by the conference’s programme committee.



Accompanying Exhibition / Poster Presentation

In addition, the conference provides you with an opportunity to introduce your company or your institution to an international industry audience with an information booth in the entrance hall of the congress centre or to be represented as a sponsor.

Furthermore, scientific institutions are given an opportunity to present scientific results in a separate poster exhibition - the organizers seek to provide a platform where representatives from science and the industries meet. The German Bioenergy Association will gladly provide further details.

Conference topics

In addition to lectures on the current development of the sector, on economic and regulatory frameworks, on raw materials and potentials on the international markets and biofuels in the aviation industry, the organizers have put a focus on the following topics:

- COP21 and the consequences for renewable energy in the context of climate protection until 2050
- Certification systems: Comparison and further development
- GHG emissions reduction obligation in Europe
- Raw material supply for biofuel production
- Perspectives of established biofuels: Biodiesel, Bioethanol, Biomethane
- Biofuels of the second and third generation
- Power-to-Gas and Power-to-Liquid
- Biofuel trade
- Biomethane in the transport sector
- Facts in the debate about land use changes and competition for use of biofuels
- Automotive industry and new vehicle technologies
- E-mobility



Conference topics in detail

Certification systems

- Implementation of GHG reduction obligation in Germany since 2015 and calculation of GHG emissions: Experiences after one year of practice
- Experiences with certification systems worldwide
- Comparison of certification systems: North and South America, EU, Asia
- Progress in the EU Member States with the implementation of certification systems
- GHG emissions reduction obligation in other EU member states?

Perspective of established biofuels: Biodiesel and Bioethanol

Biofuels make an indispensable contribution to securing sustainable mobility through the continuous reduction of emissions in the transport sector. However, the market development of biofuels is dependent on political decisions and the reliability of these decisions in view of the support levels at market entry as well as grandfathering regulations that cover changes in the policy framework and investments into new processing technologies.

Another barrier consists in the uncertainty regarding a possible continuation of a biofuel policy that will take into account also established biofuels in an appropriate way at the EU level from 2020 onwards. Does the amendment of the Renewable Energy and Fuel Quality Directive decided in 2015 provide a perspective for the period beyond 2020?

- Amendment of the EU biofuels policy and the consequences until 2020 and beyond
- Market development of biodiesel, bioethanol and vegetable oil fuel
- Raw material potentials in Europe and globally
- TTIP negotiations and foreseeable impact on European biofuels industry

Biofuels of the second and third generation

Worldwide research is devoted to new biofuels on the basis of residual and waste materials, currently unused biomass or new chemical methods for the production of biomass (algae oil). To this end, a wide range of technological approaches are being pursued – bioethanol from lignocellulose, hydrogenation of vegetable oils and animal fats, biodiesel from algae or thermochemical conversion of biomass into fuels. Politics, the oil and automotive industry have high expectations with regard to the research results and the introduction on an industrial scale.

FUELS OF THE FUTURE

14th International Conference on Renewable Mobility

23/24 January 2017 | Berlin

- What role do new biofuels play in the biofuel strategies of the German government and other states? How is their development promoted? What market incentives exist? How much R&D funding has been and will be made available?
- Biobutanol, DME and algae fuel development: When will they be ready for the market?
- Which technologies show the highest synergy potential for a production as cost-efficient as possible with an efficient reduction of GHG?
- Which support frameworks exist in the EU or in other countries?
- Which new demonstration plants or R&D projects are planned?

Biomethane in the transport sector

Although the production of bio-methane as a fuel has started successfully in practice, it currently still plays a minor role in the transport sector. On the other hand, bio-methane can make a significant contribution towards sustainable mobility due to the high energy yield per hectare and the resource flexibility. In view of the amendment of the German Renewable Energy Act (EEG) there generally has to be a stronger focus particularly on this sector.

Therefore, how can the economic framework conditions be improved and the so far slow build-up of the necessary infrastructure be accelerated?

- Market development of bio-methane in the transport sector in Europe and globally
- Framework conditions and expectations of the bio-methane industry
- Infrastructure, raw materials, quality requirements, examples of successful implementation

Facts in the debate about land use changes and competition for use of biofuels

Biofuels are criticized by some environmental and non-governmental organizations for having a negative environmental impact or for causing price increases in agricultural commodities. Scientific research on indirect land use change did not begin before 2008. The discussion of iLUC effects (iLUC = indirect land use change) has been publicly promoted based on econometric model calculations that are however subject to controversy, including from a scientific point of view. The results generated by these studies vary significantly with respect to the cause-effect relationships and the projected GHG emissions. The European Commission, the Council of Energy Ministers and policy makers share this perspective and stress the need for further research. Scientific arguments speak against the introduction of iLUC factors in policy.

- Results of the GLOBIOM model undertaken for the European Commission
- State of scientific debate at the international level



- Political decision-making based on currently available data
- Potential impact of an “iLUC” factor for bioenergy or biomass utilization
- Current international research approaches and projects

Automotive industry and new vehicle technologies

As a condition to market access, biofuels must meet comprehensive sustainability standards. Increasing requirements under emissions law must lead to a higher quality of biofuels.

- Role of biofuels from the perspective of the automotive and supplying industry
- Fuel mixtures, quality and engine compatibility
- Potentials for the mobility of the future
- Commercial vehicles and logistics

Raw materials for biofuel production

A central topic regards the availability and the origin of biomass as well as the development of its potentials. Biomass and biofuels are traded globally. In this environment, the market supply and the security of supplies play a decisive role.

- Cultivation optimization for renewable raw materials
- Agricultural trade and markets
- Price development
- Agricultural prices, food security and resource utilization

Power-to-Gas, Power-to-Liquid and E-mobility

- Future perspectives
- Which support frameworks exist in the EU or in other countries?
- Which new demonstration plants or R&D projects are planned?

Biofuel trade

- Outlook on biodiesel and bioethanol markets: Market indexes, principles
- The impact of EU decarbonisation strategy on biofuels trading in Europe and worldwide
- Trade and recycling of residues and waste material for the biofuel production



German Bioenergy Association (BBE)
Godesberger Allee 142-148
53175 Bonn
Fax: +49 (0) 228 – 81 002-58 or hartmann@bioenergie.de

**Proposed topic for the 14th International Conference
“Fuels of the Future 2017”**

We (company/association/institution) _____
Contact person _____
Postal address _____

Phone number _____
Fax number _____
E-mail _____
Website _____

are interested in delivering a **presentation** during the 14th International Conference “Fuels of the Future 2017” from 23 - 24 January 2017 with the following title:

If the proposal gets accepted by the programme committee, I will submit the manuscript of the presentation (as Power-Point document) before 16 January 2017 to the office of the BBE for inclusion in the conference USB-stick.

Please provide me with information on the **exhibition possibilities** during the 14th International Conference “Fuels of the Future 2017”.

.....
Place and date

.....
Signature (legally binding)

FUELS OF THE FUTURE



14th International Conference on Renewable Mobility
23/24 January 2017 | Berlin

Brief description of the topic proposed above:

A large, empty rectangular box with a black border, intended for a brief description of the topic proposed above.