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Bio meets Economy Science meets Industry

6th International Bioeconomy Conference



We are looking forward to welcome you

The bioeconomy offers many approaches to preserving the climate and the environment for future generations with a knowledge-based and sustainable economy. Numerous scientists and entrepreneurs work on sustainable and biobased strategies, methods and products, ranging from plant and food research, to agriculture and forestry, to the chemical, pharmaceutical and energy industries, as well as the field of innovative materials. At the 6th International Bioeconomy Conference, new topics and findings on Circular Bioeconomy will be presented and discussed.

France is the partner country of this year's conference and will be presented with the top cluster IAR and well-known speakers from research and business.

Venue

Leopoldina
National Academy of Sciences
Jägerberg 1
06108 Halle (Saale)
Germany



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Sign up now!

Please register until
26th April 2017

www.bioeconomy-conference.de

Organisers



From Molecule to Society –
Ways to a Plant-Based Economy
www.sciencecampus-halle.de

Where Wood meets Chemistry
www.bioeconomy.de

www.bioeconomy-conference.de

Event program Circular Bioeconomy 10|11 May 2017

Partner Country: France

Meet at the Lunch Lounge!



For the first time this year, the Lunch Lounge will take place during the conference. Dr. Stefan Rauschen from the NCP Life Science will inform you about networks, funding opportunities and stakeholders of the European Bioeconomy on 10th May, from 12.30 to 14.00, with a small snack and refreshments.

More information and registration see at
www.bioeconomy-conference.de
Please register until 26th April 2017

WEDNESDAY | MAY 10th | 2017

OPENING

Greetings

15:00 – Prof. Dr. Ludger Wessjohann (ScienceCampus Halle - Plant-Based Bioeconomy) & Prof. Dr. Matthias Zscheile (Leading Edge Cluster BioEconomy)

15:10 – Prof. Dr. Jörg Hacker
15:20 (President Leopoldina)

15:20 – Dr. Christian Patermann (Former Director European Commission and Advisor German Government for Bioeconomy)
16:00 *The circular sustainable bioeconomy - Just a vision or more? Recent developments in Europe and worldwide*

16:00 – Coffee Break
16:20



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1 SESSION - Flavours, Fragrances and Nutraceuticals

Chairman: Prof. Dr. Ludger Wessjohann & Prof. Dr. Bruno Bühler

★ **16:20** – Keynote: Prof. Dr. Frederic Bourgaud (University of Lorraine)
16:50 „Milking the roots“: a new technology for the recovery of natural substances from plants

16:50 – Prof. Dr. Christian Wilhelm (University of Leipzig)
17:10 *New green chemistry: living cells as catalytic surface – a breakthrough in making new organic carbon?*

17:10 – Dr. Stefan Marx (N-Zyme BioTec GmbH)
17:30 *Olive polyphenols – new functionalities and applications*

1 SUBSESSION - Model Region Central Germany

Chairman: Prof. Dr. Daniela Thrän

17:30 – Dr. Jakob Ley (Symrise AG)
17:45 *Sustainable sourcing of natural flavour compounds: trends, chances, and challenges*

17:45 – Dr. Lutz Weber (Ontochem IT GmbH)

18:00 *Translating target driven drug discovery methods into the areas of nutrition and cosmetics*

18:00 – Dr. Daniela Pufky-Heinrich
18:15 (Fraunhofer Center for Chemical-Biotechnological Processes, CBP)
Fine chemicals and specialities from woody biomass - a process engineering approach

18:15 – Smooth Transition To Dinner Event
19:00

DINNER EVENT

Moritzburg, Friedemann-Bach-Platz 5, 06108 Halle (Saale)



19:00 – Dr. Thierry Stadler (IAR Cluster President)
19:30 Networking speech: *Intercluster collaborations - a fertile soil for bioeconomic innovations*

19:30 – Dinner & Networking
22:00



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THURSDAY | MAY 11th | 2017

2 SESSION - Cereals

Chairman: Prof. Dr. Klaus Pillen & Prof. Dr. Nicolaus von Wirén

★ **09:00** – Keynote: Dr. Gilles Charmet
09:30 (National Institute of Agricultural Research, INRA)
Breadwheat: Breeding for sustainable wheat varieties

09:30 – Dr. Gunther Stiewe (Syngenta International AG)
09:50 *Hybrid barley: Transformation of a self pollinating crop into a hybrid*

09:50 – Prof. Dr. Bernhard Bauer
10:10 (University of Applied Sciences Weihenstephan-Triesdorf)
Upcoming challenges in wheat production in Central Europe

10:10 – Coffee Break
10:30

2 SUBSESSION - Model Region Central Germany

Chairman: Prof. Dr. Daniela Thrän

10:30 – Prof. Dr. Ivo Große (Martin Luther University Halle-Wittenberg)
10:45 *The fabulous marriage of crop plant research and bio-informatics*

10:45 – Dr. Nils Stein (Leibniz Institute of Plant Genetics and Crop Plant Research, IPK)
11:00 *Barley and wheat genome sequences and their future impact on plant-based bioeconomy*

11:00 – Prof. Dr.-Ing. Udo Seiffert
11:15 (Fraunhofer Institute for Factory Operation and Automation, IFF)
High-throughput and precision crop plant phenotyping



Foto: Henning Mertens für BioEconomy

3 SESSION - Wood

Chairman: Horst Mosler & Prof. Dr. Matthias Zscheile

★ **11:15** – Keynote: Christophe Luguel (Competitiveness Cluster Industries & Agro-Ressources, IAR)
11:45 *Relevance of lignocellulosic biomass within an European context of bioeconomy*

11:45 – Dr. Dietmar Peters (Agency for Renewable Resources, FNR)
12:05 *Building and living with wood – Current funding priorities*

12:05 – Dr. Jörg Rothermel (German Chemical Industry Association, VCI)
12:25 *Market potentials of wood based bioeconomy in the chemical industry*

12:25 – Lunch
13:30

3 SUBSESSION - Model Region Central Germany

Chairman: Prof. Dr. Daniela Thrän

13:30 – Dr. Steffen Bornemann (Folienwerk Wolfen GmbH)
13:45 *Chances and challenges of films made of natural resources for packaging applications*

13:45 – Christan Fischer (Schüco Polymer Technologies KG)

14:00 *Bio-based wood and flax fibre reinforcements in thermo-plastic matrix applied in window and door profiles*

14:00 – Veronika Auer
14:15 (University of Applied Sciences Rosenheim)
Designing the beech wood supply chain



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4 SESSION - Plant-based Oils

Chairman: Dr. Rainer Busch

★ **14:15** – Keynote: Carine Alfos (French Technical Center on Fats and Oils, ITERG)
14:45 *The plant biorefinery or the valorization of the set of (co)products*

14:45 – Dr. Michael Sandmann (Institute for Food and Environmental Research, ILU)
15:05 *Sustainable use of biomass from oleaginous processing (SUMO)*

15:05 – Coffee Break
15:30

15:30 – Dr. Gunther Kraft
15:50 (Fuchs Schmierstoffe GmbH)
Algae as raw-material supplier for lubricants

4 SUBSESSION - Model Region Central Germany

Chairman: Prof. Dr. Daniela Thrän

15:50 – Dr. Rainer Busch (Leading Edge Cluster BioEconomy)
16:05 *Market analysis – Usage of plant oils in the industry*

16:05 – Dr.-Ing. Frank Pudel (Pilot Plantoiltechnology Magdeburg e.V., PPM)
16:20 *Production technologies, properties and applications of rapeseed proteins*

16:20 – Closing Remarks
16:25