

We are looking forward to
welcome you

ORGANIZER

Bioeconomy Conference

The bioeconomy has broad-ranging approaches for plant research, agriculture and forestry, the chemical and plastics industry, the energy industry and innovative materials. The 4th International Bioeconomy Conference represents new issues and insights into biobased value chains and socio-economic aspects. Special attention this year will be put on the bioeconomic developments in the UK. The partner country will be represented by numerous renowned speakers.



Wood as a raw material for a sustainable economy



Advanced plant research



High value products from plants



Base Chemicals from renewable resources

More information and registration under
www.bioeconomy-conference.de

Please register until 26th April 2015
No registration fee



07 | 08 May 2015
Halle (Saale) | Germany

Venue

Leibniz Institute of Agricultural
Development in Transition Economies (IAMO)
Theodor-Lieser-Str. 2
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Germany

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**PLANT-BASED BIOECONOMY
BIO MEETS ECONOMY
SCIENCE MEETS INDUSTRY**

Promoted by



Partner Country 2015: Great Britain

Thursday 07th May 2015

Moderation: Dr. Jens Freitag
genius - science & communication

Opening

► **10:30 – 10:40**

Prof. Dr. Thomas Hirth Leading Edge Cluster BioEconomy

Prof. Dr. Klaus Pillen ScienceCampus Halle – Plant-Based Bioeconomy

► **10:40 – 10:50**

Hermann Onko Aeikens Ministry of Agriculture and Conservation, State of Saxony-Anhalt

► **10:50 – 11:00**

Prof. Dr. Michael Bron Martin-Luther-University Halle-Wittenberg

Session 1: From Plants to Factories

► **11:00 – 11:40**

Dr. Léon Broers KWS Saat AG and Bioeconomy Council, GER

Innovative Plant Products for a Sustainable Bioeconomy

► **11:40 – 12:00**

Prof. Dr. Mark Tester King Abdullah University of Science and Technology (KAUST), KSA

Crops for saline waters

► **12:00 – 12:20**

Christian von Itzenplitz Zellstoff Stendal GmbH, GER

The availability of the renewable resource wood and its logistic

12:20 – 13:30 LUNCH

► **13:30 – 13:50**

Prof. John Doonan Aberystwyth University, GBR

Novel Phenotyping Approaches to understanding genetic variation in Biomass Accumulation

► **13:50 – 14:10**

Dr. Dirk Verdoes BioConSepT / TNO, NED

Highlights and learnings from BioConSepT a European Flagship project for the Bio-Based Economy

► **14:10 – 14:30**

Prof. Dr. Klaus Menrad Weihenstephan-Triesdorf University of Applied Sciences, GER

Biogenic Resources in Germany – Availability and logistics

► **14:30 – 14:50**

Prof. Dr. Iris Lewandowski University of Hohenheim, GER

Requirements on biomass production in a growing bioeconomy

Session 2:

Socio-Economic Aspects of a Bio-Based Economy

► **14:50 – 15:35**

Prof. Dr. Harald Grethe University of Hohenheim, GER
Bioeconomy = Green Economy = Sustainable?

15:35 – 16:15 COFFEE BREAK

► **16:15 – 16:40**

PD Dr. rer. pol. Magnus Fröhling Karlsruhe Institute for Technology, GER

Evaluation of technologies for biomass conversion in the context of their value chains

► **16:40 – 17:05**

Katja Salmenkivi Pöyry Management Consulting, BioConSepT, FIN

Sustainability as a driver for the Bio-Based material market

► **17:05 – 18:15**

Florence Tartanac Market Linkages and Value Chains Group, Rural Infrastructure and Agro-industries Division (AGS), Food and Agriculture Organization of the United Nations (FAO), ITA

Greening value chains in the context of Sustainable Food Value Chains Development in developing countries

Closing Remarks



Friday 08th May 2015

Moderation: Dr. Jens Freitag
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Plenary Lecture: Biodiversity and Nagoya-Protocol

► **9:00 – 9:40**

China Williams Royal Botanic Gardens, Kew, GBR
The Nagoya Protocol: Opportunities and Challenges

Session 3: High Value Products from Plants

► **9:40 – 10:15**

Prof. Dr. Paul Fraser University of London, GBR
From Discovery to products: A next generation pipeline for the sustainable generation of high-value plant products

► **10:15 – 10:40**

Dr. Lars Haustedt AnalytiCon Discovery, GER
Plant Derived Secondary Metabolites as a Resource for Product Development in Food, Cosmetic and Pharma

► **10:40 – 11:05**

Dr. Joe Ross University of York, GBR
Alkaloid Production, from Molecular Analysis to downstream processing

► **11:05 – 11:30**

Dr. Deborah Rathbone University of York, GBR
Variety improvement through fast-track plant breeding

11:30 – 12:30 LUNCH

Session 4: Refining of Biomass or Biorefinery?

► **12:30 – 13:15**

Prof. Dr. James Clark University of York, GBR
Industrial Symbiosis as a route to a Sustainable Bio-Based Economy

► **13:15 – 13:40**

Prof. Dr. Nicolaus Dahmen Karlsruhe Institute for Technology, GER
The synthesis gas platform as a basis for large-scale use of biomass

► **13:40 – 14:05**

Gunter Börner B+B Engineering GmbH, GER
Rapeseed Bio-Refinery – A Chance for Tremendous Potential of More Added Value

► **14:05 – 14:30**

Dr. Dietmar Peters Specialist agency of renewable resources (FNR), GER, *Integrated Biorefineries – Concepts and Current State*

► **14:30 – 14:55**

Gerd Unkelbach Fraunhofer Center for Chemical-Biotechnological Processes (CBP), GER
From lab scale to demonstration scale – Biorefinery examples from the FP7 project „BioConSepT“ and the German BioEconomy cluster

Closing Remarks