



The historic Leopoldina – National Academy of Sciences in Halle (Saale) hosts the conference

We are looking forward to welcome you

The ScienceCampus Halle and the Leading-Edge Cluster BioEconomy cordially invite you to the 8th International Bioeconomy Conference in Halle on 13 – 14 May 2019. The motto is "Bio meets Economy – Science meets Industry".

The bioeconomy has broad-ranging approaches for plant research, for agriculture and forestry, for the chemical and plastics industry, the energy industry and innovative materials. The 8th International Bioeconomy Conference in major topics represents new issues and insights: International experts will speak about sustainability and socio-economical aspects, biobased value chains, biorefining, high value products and about stress tolerance and productivity of plants. The partner region in 2019 will be South America.

Venue

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

Registration

For (PhD) students and press representatives, a limited number of tickets is available free of charge. For all other participants, the conference fee amounts 95 euros and includes participation on both days, catering and documents (online). The conference dinner on the evening of May 13th 2019 can be booked additionally for 30 euros.



Sign up now!

Please register until
30th April 2019

www.bioeconomy-conference.de

Bio meets Economy
Science meets Industry

Funded by:



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Organisers



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

GROW with BioEconomy Cluster.
The biobased future starts with us.
www.bioeconomy.de

www.bioeconomy-conference.de

8th International Bioeconomy Conference

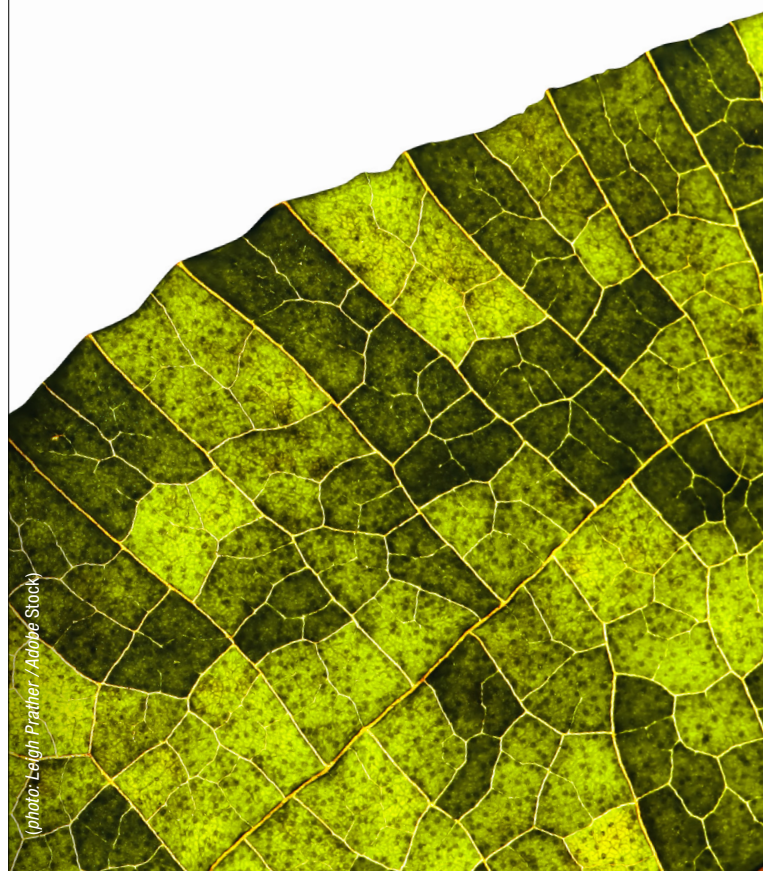


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Event program
13 | 14 May 2019

Partner Region: South America

Your advantages



Contact and networking with science, research and industry worldwide



Exclusive findings from substantiated studies on market potentials and trends



Extensive knowledge transfer



Free opportunities to expand your outreach



Recruitment of qualified employees



Access to excellent infrastructure



Access to extensive funding opportunities



MONDAY | MAY 13<sup>th</sup> | 2019

OPENING  
Greetings

**13:00 – Prof. Dr. Ludger A. Wessjohann, Prof. Dr. Matthias Zscheile**  
**13:10** (ScienceCampus Halle - Plantbased Bioeconomy/WCH and BioEconomy Cluster)

**13:10 – Prof. Dr. Jörg Hacker**  
**13:20** (President of the German National Academy of Sciences – Leopoldina)

**13:20 – Prof. Dr. Armin Willingmann**  
**13:30** (Minister of Economy, Science and Digitalisation of the State of Saxony-Anhalt)

**13:30 – Opening Speech: Andrea Noske**  
**14:10** (Ministerial Councillor, Federal Ministry of Education and Research Germany, Department of Bioeconomics)



Taking notes: More than 30 lectures contribute to the event

**1 SESSION – Social-economic issues of the bioeconomy**  
Prof. Dr. Alfons Balmann, Leibniz Institute for Agricultural Development in Transition Economics/IAMO, GER

★ **14:10 – Keynote: Prof. Dr. Ester Dal-Poz**  
**14:40** (UNICAMP – University of Campinas, BRA)  
*Bioeconomy in South America: social and market aspects*

**14:40 – Dr. Corinna Hempel** (Johann Heinrich von Thünen Institute, GER)  
**15:00** *Bioeconomy in Germany 2050: A transdisciplinary approach for scenario development*

**15:00 – Christine Höfling**  
**15:20** (Senckenberg Research Institute and Natural History Museum, GER)  
*Shaping futures – from science to society*

☕ **15:20 – Coffee Break**  
**16:10**

**1 SUBSESSION – Social-economic issues of the bioeconomy**  
In the Model Region Central Germany

**16:10 – Prof. Dr. Daniela Thrän**  
**16:25** (Helmholtz Center for Environmental Research/UFZ, GER)  
*Development of a framework for monitoring the bioeconomy*

**16:25 – Gabi Waldhof** (Leibniz Institute of Agricultural Development in Transition Economies/IAMO, GER)  
**16:40** *Different Moralities hinder Consensus on Biotechnologies – Evidence from the German GMO-Debate*

**2 SESSION – Challenges and chances within the sugar-based bioeconomy**  
Prof. Dr. Ludger A. Wessjohann, Leibniz Institute of Plant Biochemistry, GER

★ **16:45 – Keynote: Prof. Dr. Reges Heinrichs** (São Paulo State University „Júlio de Mesquita Filho“/UNESP, BRA)  
**17:15** *Sugarcane management and fertilization system for the advancement of the bioeconomy in tropical regions*

**17:15 – Dr.-Ing. Joachim Venus** (Leibniz Institute for Agricultural Engineering and Bioeconomy/ATB, GER)  
**17:35** *Development of an advanced biorefinery concept using sugar-based feedstocks and residues*

**17:35 – Lucia Atehortua, Ph.D.** (Universidad de Antioquia, COL)  
**17:55** *Bioeconomy: An opportunity for the future Colombian development by way of its rich biodiversity and biomass*

**2 SUBSESSION – Challenges and chances within the sugar-based bioeconomy**  
In the Model Region Central Germany

**17:55 – Gerd Unkelbach** (Fraunhofer Center for Chemical-Biotechnological Processes/CBP, GER)  
**18:10** *(Di-)carboxylic acids by fermentation as building blocks for polymers, additives or food ingredients*

**18:10 – Dr. Markus Lorenz** (Südzucker AG, GER)  
**18:25** *Sugar starches as unbeatable feedstocks for bioeconomical purposes*

**! DINNER EVENT**  
Leopoldina, Jägerberg 1, 06108 Halle (Saale)

**19:30 – Dinner Speech: Dr. Petra Sachse**  
**19:45** (Leader of the service center economy, science and digitalisation of the City Halle (Saale))



Traditional networking dinner for the participants of the conference

TUESDAY | MAY 14<sup>th</sup> | 2019

**3 SESSION – Plant productivity for a growing bioeconomy**  
Prof. Dr. Nicolaus von Wirén,  
Leibniz Institute of Plant Genetics and Crop Plant Research/IPK, GER

★ **08:30 – Keynote: Dr. Jurandir V. de Magalhaes** (Brazilian Agricultural Research Corporation/Embrapa, BRA)  
**09:00** *Crossing the „Valley of Death“ Towards Sustainable Sorghum and Maize Production on Tropical Acid Soil Regions*

**09:00 – Prof. Dr. Ulrich Schurr**  
**09:20** (Forschungszentrum Jülich and Bioeconomy Science Center/BioSC, GER)  
*Quantifying plant-environment interaction to optimise yield and quality*

**09:20 – Dr. Néstor Carillo** (Universidad Nacional de Rosario, ARG)  
**09:40** *Improving harvest index and stress tolerance by manipulation of chloroplast redox chemistry*



About 160 participants meet annually at the International Bioeconomy Conference

**3 SUBSESSION – Plant productivity for a growing bioeconomy**  
In the Model Region Central Germany

**09:40 – Dr. Götz Hensel**  
**09:55** (Leibniz Institute of Plant Genetics and Crop Plant Research/IPK, GER)  
*INDUCEPROT – Induced accumulation of recombinant proteins in plants*

**09:55 – Prof. Dr. Alain Tissier** (Leibniz Institute of Plant Biochemistry, GER)  
**10:10** *Using wild germplasm to reduce pesticide use in tomato*

☕ **10:10 – Coffee Break**  
**11:10**

**4 SESSION – The pathway to success with biotech products**  
Dr. Joachim Schulze, EW Biotech GmbH

★ **11:10 – Keynote: Daniel Dias** (Solvay GmbH, BRA)  
**11:40** *Learn and work exactly like a start-up*

**11:40 – Dr. Alex Berg**  
**12:00** (Unidad de Desarrollo Tecnológico – Universidad de Concepción, CHL)  
*Adding value to pine bark*

**12:00 – Dr. Albrecht Läufer** (Corvay GmbH, GER)  
**12:20** *2nd generation lactic acid - from invention to reality*

**4 SUBSESSION – The pathway to success with biotech products**  
In the Model Region Central Germany

**12:20 – Dr. Heike Sträuber**  
**12:35** (Helmholtz Centre for Environmental Research/UFZ, GER) *Beyond biogas – production of platform chemicals with anaerobic microbiomes*

**12:35 – Dr. Andreas Petri** (Miltitz Aromatics GmbH, GER)  
**12:50** *Resource-efficient production of fine chemicals*

🍷 **12:50 – Lunch Break**  
**14:00**

**5 SESSION – Research Highlights funded by BMBF**  
Dr. Wiebke Müller, Forschungszentrum Jülich, GER

**14:00 – Prof. Traud Winkelmann** (Leibniz University Hannover, GER)  
**15:45** *ORDIAmur - Overcoming Apple Replant Disease by an Integrated Approach*

**Andreas Stäbler** (Fraunhofer Institute for Process Engineering and Packaging/IVV, GER) *An easy approach to gain tasty, cheap and functional sunflower protein meal*

**Dr.-Ing. Susanne Zibek** (Fraunhofer Institute for Interfacial Engineering and Biotechnology, GER)  
*To produce chitosan from insects for textile applications*

**Dr. Ralf Kiese** (Karlsruhe Institute of Technology/KIT, GER)  
*Getting hot? Mountain grassland sustainability under climate change*

**Julian Thielmann** (Fraunhofer Institute for Process Engineering and Packaging IVV, GER) *Impregpack - Sustainable functionalization of packaging films by supercritical CO2*

**Dipl.-Ing. Hendrik Roch** (Fraunhofer Institute for Environmental, Safety, and Energy Technology, GER)  
*Biodegradable multi-wall sheets for packaging applications*

**Dr. Sebastian Lippemeier** (BlueBioTech GmbH, GER)  
*Probiotic effects of microalgae associated bacteria on fish larvae*

**Martin Bellof** (Autodisplay Biotech GmbH, GER)  
*Making use of a waste by-product from palm oil production*

**Claudia Oehmke** (University of Greifswald, GER)  
*From neglect to recognition: paludiculture as a necessity to achieve the Paris Agreement goals*

**Prof. Dr. Barbara Reinhold-Hurek** (University of Bremen, GER)  
*Diverse catch crops as part of an integrated concept to stabilize or improve soil*

**15:45 – Closing Remarks: Prof. Dr. Klaus Pillen**  
**16:00** (ScienceCampus Halle - Plant-Based Bioeconomy/WCH)