

WEDNESDAY 9th JUNE 2021

09:30 – **Joint event IAMO-Forum - International Bioeconomy Conference**

11:30 Panel discussion: **Prof. Dr. Regina Birner** (University of Hohenheim, GER), **Peter Gerhardt** (Denkhausbremen e.V., GER), **Dr. Martin Langer** (BRAIN AG, GER), **Prof. Dr. Justus Wesseler** (Wageningen University, NLD)
From extracting to creating value in the bioeconomy

11:30 – **Break**
13:00

OPENING – International Bioeconomy Conference
Greetings

13:00 – **Prof. Dr. Ludger Wessjohann, Prof. Dr. Matthias Zscheile**
13:20 (ScienceCampus Halle – Plant-based Bioeconomy & BioEconomy Cluster, GER)

13:20 – **Andrea Noske**
13:30 (Head of Division Sustainable Economy, Bio-Economy, German Federal Ministry of Education and Research, GER)

13:30 – **Opening Speech: Prof. Dr. Hermann Lotze-Campen**
14:10 (Potsdam Institute for Climate Impact Research/PIK, GER)
Bioeconomy and climate change: challenges and opportunities

1 SESSION – Socio-economic issues of the Bioeconomy

14:10 – **Keynote: Prof. Dr. Lene Lange** (BioEconomy, Research & Advisory, DEN)
14:40 *Socioeconomic effects of a just transition to the new Circular Biobased Economy*

14:40 – **Junior Prof. Dr. Sina Leipold**
15:00 (University of Freiburg, GER)
Towards a circular Bioeconomy? Opinions from the Bioeconomy-Sector

15:00 – **Coffee lounge**
15:20

15:20 – **Dr. Martin Langer** (BRAIN AG, GER)
15:40 *Positive socio-economic impact from Bioeconomy. Two case studies from industry-led strategic alliances*

15:40 – **Dr. Alberto Bezama**
15:55 (Helmholtz Center for Environmental Research/UFZ, GER)
Addressing the Urban Bioeconomy through Life Cycle Management

15:55 – **Kerstin Wilde** (Leibniz Institute for Agricultural Development in
16:10 Transition Economics/IAMO, GER)
Bioeconomy discourses in regional development policy

16:10 – **Coffee lounge**
16:30

2 SESSION – Lignocellulosic fiber within the Bioeconomy

16:30 – **Keynote: Dr. Monica Normark**
17:00 (Sekab, SWE)
Advanced bioethanol production from softwood residues

17:00 – **Dr. Frank Meister**
17:20 (TITK, GER)
Sustainability to the third power - an actual challenge past COVID 19

17:20 – **Prof. Dr. Jan-Peter Mund** (Eberswalde University, GER)
17:40 *Beyond biomass - lessons learned from sustainable forest-based bioeconomy development from the taiga to the tropics*

17:40 – **Dr. Martin Zahel**
17:55 (Papiertechnische Stiftung/PTS, GER)
The role of modified cellulosic fibers in future material development

17:55 – **Coffee lounge**
18:15

3 SESSION – Plant Productivity under climate change

09:00 – **Keynote: Prof. Dr. Alan Schulman**
(Natural Resources Institute/LUKE and University of Helsinki, FIN)
09:30 *Plant Responses and Adaptation to Changing Environments*

09:30 – **Dr. Miriam Szurman-Zubrzycka** (University of Silesia, POL)
09:50 *HorTILLUS - TILLING population to create barley better adapted to climate change*

09:50 – **Dr. Ralf Wilhelm**
(Julius Kühn-Institute/JKI, GER)
10:10 *A CRISPieR future in the EU?*

10:10 – **Prof. Dr. Marcel Quint**
(Martin Luther University Halle-Wittenberg, GER)
10:40 *Global warming effects on plant growth and development*

10:40 – **Coffee lounge**
11:00

4 SESSION – The pathway to success with biotech products

11:00 – **Keynote: Dr. Michael Duetsch** (UPM GmbH, GER)
11:30 *Wood-based biorefineries: Sustainable renewal of chemical and plastic industry's value chain*

11:30 – **Prof. Dr. Christoph Syldatk** (TEBI, GER)
11:50 *Deep eutectic solvents (DES) as new and sustainable reaction media for the enzymatic synthesis of sugar related biosurfactants*

11:50 – **Dr. Harald Wedwitschka**
(German Biomass Research Center/DBFZ, GER)
12:10 *No success of biotech products without recycling strategy*

12:10 – **Prof. Dr. Andreas Schmid** (Helmholtz Center UFZ, GER)
12:25 *White hydrogen: energy carrier for a sustainable decentralized production and use*

12:25 – **Dr. Bodo Moritz** (Martin Luther University Halle-Wittenberg, GER)
12:40 *Ferulic acid synthesis in engineered BL21 - Balancing recombinant expression to cell vitality*

12:40 – **Prof. Dr. Mareike Gast** (Burg Giebichenstein University of Art and Design Halle, GER)
12:55 *Symbiotic Subjects – Designing Beneficiary Relations and Interactions*

12:55 – **Coffee lounge**
13:30

13:30 – **Break**
14:00

5 SESSION – Research Highlights funded by BMBF

14:00 – **Dr. Astrid Gärdes** (Leibniz Centre for Tropical Marine Research/ZMT, GER)
14:10 *Diversity of microorganisms in both natural and aquaculture tropical seaweed systems: biotechnology potential for sustainable development*

14:10 – **Dr. Hans Jürgen Hahn, Dr. Susanne van den Berg-Stein** (University of Koblenz, GER) - *StygoTracing, a new biotracer technique for hydrological interactions and risk assessment in drinking water supply*

14:20 – **Dr. Annette Piorr** (Leibniz Centre for Agricultural Landscape Research/ZAL, GER) - *A VITAL approach to sustainable intensification: stakeholder participation, farmer's behaviour and scenarios*

14:30 – **Dr. Anett Werner**
(Technical University of Dresden, GER)
14:40 *Xenokat - can fungal enzymes cleave xenobiotics?*

14:40 – **Dr.-Ing. Volker Herdegen**
(Technical University Bergakademie Freiberg, GER)
14:50 *Bagasse and rice straw - sources for a multi-purpose material use*

14:50 – **Dr. Maria Proestou**
(Humboldt University of Berlin, GER)
15:00 *Institutional Implications of Bioeconomy Development in Germany*

Closing Remarks

Prof. Dr. Ludger Wessjohann, Dr. Joachim Schulze
(ScienceCampus Halle - Plant-based Bioeconomy & BioEconomy e.V., GER)