International Conference on Bio-based Materials
15–16 May 2018, Maternushaus, Cologne, Germany

Focus: +++ Bio-based Building Blocks & Polymers +++ Lignocellulose +++ Innovation Award +++

HIGHLIGHTS OF THE WORLDWIDE BIOECONOMY

- Feedstocks for the Bio-based Economy
- Bio-based Building Blocks
- Bio-based Building Polymers
- Lignocellulose – Lignin & Cellulose
- Environmental Solutions
- Yeast as Platform Technology for Bio-based Chemicals
- Innovation Award “Bio-based Material of the Year 2018”
Programme of the 1st Day, 15 May 2018

09:00 Registration and welcome coffee

10:00 nova-Institut GmbH
Michael Carus
Conference Opening & Chairman

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Conference Opening & Chairman

Policy and Strategy

10:10 BASF SE
Dr. Kerstin Ulrich
BASF’s Biomass Balance Approach

10:30 AkzoNobel Specialty Chemicals
Lucy Nattrass
New Tool Launched to Monitor Bio-Based Materials in the Chemical Industry

10:50 LMC International Ltd.
Dr. Sarah Hickingbottom
Market Trends, Availability and Price Development for Sugar, Starch and Plant Oils

Feedstock for the Bio-based Economy

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BASF’s Biomass Balance Approach

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Bio-based Building Blocks

Chairman:
Dr. Wolfgang Baltus
PRECISE Corporation

11:10 Tecnon OrbiChem
Doris de Guzman
Update on Bio-Based Building Blocks

11:40 Reverdia
Marcel Lubben
Driving the Development of the Bioeconomy

12:00 DuPont Industrial BioSciences
Christian Lenges
Enzymatic Polymerization: Nuvolve™ Engineered PolySaccharides & Progress in Application Development

12:20 Lunch Break

13:50 UPM Biochemicals
Dr. Okko Ringena
Evolution of Wood Utilization: Bio-MEG and Beyond

14:10 VTT
Dr. David Thomas
Muconic Acid as a Versatile Bio-based Monomer for Plastics

14:30 Haldor Topsoe A/S
Tore Sylvester Jeppesen
Demonstrating and Commercializing Bio-Based Chemicals via Catalysis

14:50 Avantium
Eelco Blum
Introducing Project Mekong: Making a Greener PET an Economic Reality

Bio-Based Polymers

15:10 nova-Institut GmbH
Michael Carus
Update on Market Data and Forecast for Bio-based Polymers

15:40 Coffee Break

16:10 PolymerFront AB
Bjarne Högström
New Applications for Bio-based Plastics – Examples from many Different Sectors

16:30 Neste (Suisse) SA
Dr. Lars Börger
New Developments of Traceable, Renewable Plastics for Bio-based Drop-in Solutions

Innovation Award Session

"Bio-based Material of the Year 2018"

16:50 Award Presentations
18:00 Voting

18:15 Cold Beer on Tap in the Exhibition Space
20:00 Dinner Buffet
21:00 Innovation Award Ceremony
22:00 Live Music
23:00 German Bowling & Bar
## Programme of the 2nd Day, 16 May 2018

### Yeast as Platform Technology for Bio-Based Chemicals

**Chairman:**
Prof. Dr. Haralabos Zorbas  
*Industrielle Biotechnologie Bayern (IBB Netzwerk GmbH)*

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<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker/Company</th>
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<tr>
<td>09:00</td>
<td>University College Cork</td>
<td>Dr. John Morrisey</td>
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<td></td>
<td>Diversifying the Yeast Biomolecule Portfolio – from Bioethanol to Biomaterials</td>
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<td>09:30</td>
<td>Biopetrolia</td>
<td>Dr. Anastasia Krivoruchko</td>
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<td>Specialty Chemicals through Engineered Biology</td>
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### Bio-Based Polymers

**Chairman:**
Prof. Dr. Ludo Diels  
*VITO*

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<tr>
<td>09:50</td>
<td>Covestro Deutschland AG</td>
<td>Dr. Anne Kutz</td>
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<td>Alternative Feedstocks in the Polymer Industry: Status and Persepective</td>
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<td>10:10</td>
<td>Total Corbion PLA bv</td>
<td>Bert Clymans</td>
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<td>75,000 Tonnes of PLA – Towards the New Plastics Economy and Beyond</td>
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<td>10:30</td>
<td>Coffee Break</td>
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<td>11:00</td>
<td>Braskem Netherlands B.V.</td>
<td>Marco Jansen</td>
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<td>The Role of Drop-In Bioplastics in the Circular Economy</td>
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<td>11:20</td>
<td>Arkema</td>
<td>Jean-Luc Dubois</td>
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<td>Review of Bio-based Routes to Polyamides</td>
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### Environmental Solutions

**Chairman:**
Dr. Thomas Schwarz  
*CLIB2021*

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<tr>
<td>15:30</td>
<td>Jan Ravenstijn Consulting</td>
<td>Prof. Msc. Jan Ravenstijn</td>
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<td></td>
<td>The Virtues and Challenges of the PHA-Platform</td>
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<td>16:00</td>
<td>RWTH Aachen University</td>
<td>Univ. Prof. Dr.-Ing. Lars M. Blank</td>
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<td>P4SB – From Plastic Waste to Plastic Value Using Pseudomonas Putida Synthetic Biology</td>
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<td>16:20</td>
<td>University of York</td>
<td>Dr. Thomas J. Farmer</td>
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<td>Sustainable Solvent Selection: Tools and Techniques for Bio-based Solvent Substitution</td>
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<td>16:40</td>
<td>Fraunhofer-Institut f. Fertigungstechnik und Angewandte Materialforschung IFAM</td>
<td>Katharina Haag</td>
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<td>Biopolymer Blend With Advanced Cost-Performance Ratio for Packaging and Agricultural Applications</td>
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<td>17:00</td>
<td>AIMPLAS</td>
<td>Dr. Pilar Villanueva</td>
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<td>From Orange Juice Waste to New Biopolymers: A New Source for PBS</td>
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<td>17:20</td>
<td>End of Conference</td>
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Exhibitors

Booth No.

2) DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
3) Fachagentur Nachwachsende Rohstoffe e.V. (FNR)
4) Tecnon OrbiChem Ltd
5) Fraunhofer UMSICHT
6) BASF SE
7) EU-Project Chassy
8) Media Table
9) Flanders Investment & Trade
10) Synvina
11) Arctic Biomaterials Oy
12) Forschungszentrum Jülich GmbH
13) FKuR Kunststoff GmbH
14) nova-Institut GmbH
15) Total Corbion PLA bv
16) TECNARO GmbH
17) Cortec Corporation
18) InfraServ GmbH & Co. Knapsack KG
19) Media Table
20) Cosun Biobased Products B.V.
21/23) Innovation Award “Bio-based Material of the Year 2018”

Booth Opportunities

The fee of a booth (6m²) is 500 EUR (excl. 19% VAT). We provide you a table, table cloths, a pin board, a chair and a power connection. You are welcome to use your own booth system.

Please submit your preferred booth number, a printable logo and company profile to Mr. Dominik Vogt (dominik.vogt@nova-institut.de)
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15–16 May 2018, Maternushaus, Cologne, Germany

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Attendees of the Conference 2017

- Larger companies: 41%
- SME & Startup: 32%
- Academia: 17%
- Others: 10%

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- Venue Satisfaction: Good / Very Good, 91%
- Overall Satisfaction: Good / Very Good, 87%

Networks of nova-Institute

- Bio-based News: news.bio-based.eu
  - Visitors per Month: 150,000
- International Directory for Bio-based Businesses: bio-based.eu/iBIB
  - Visitors per Year: 60,000
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  - LinkedIn: 6,000
  - XING: 2,000
  - Twitter: 4,000
  - Monthly nova-Newsletter: 60,000
The 11th International Conference on Bio-based Materials is aimed at providing international major players from the bio-based building blocks, polymers and industrial biotechnology industries with an opportunity to present and discuss their latest developments and strategies. The conference builds on successful previous conferences: 250 participants and 30 exhibitors are expected.

Innovation Award
“Bio-based Material of the Year 2018”

For the eleventh year in a row, the Innovation Award “Bio-based Material of the Year” will be awarded to the young, innovative bio-based chemicals and materials industry for finding suitable applications and markets for bio-based products. The focus of the award is on new developments within these areas, which had been launched in 2017 or will be launched in 2018. Producers and inventors of innovative bio-based materials are invited to hand in their application by mid of April 2018 to Mr. Guido Mueller.


Selected winners of the past Innovation Awards „Bio-based Material of the Year“:


Advisory Board

Dr. Wolfgang Baltus, PRECISE Corporation
Christiaan Bolck, Wageningen University
Prof. Dr. Ludo Diels, Flemish Institute for Technological Research (VITO)
Doris de Guzman, Tecnon OrbiChem Ltd.
Prof. Dr. Jörg Müssig, Hochschule Bremen
Prof. Jan Ravenstijn, Jan Ravenstijn Consulting
Gudbrand Rødsrud, Borregaard
Dr. Thomas Schwarz, CLIB2021
Prof. Dr. Haralabos Zorbas, IBB Netzwerk