

7. Biowerkstoff-Kongress



www.bio-based.eu/conference

International Conference on Bio-based Materials

th 8–10 April 2014, Maternushaus, Cologne, Germany

HIGHLIGHTS FROM EUROPE:

Bio-based Plastics and Composites – Biorefineries and Industrial Biotechnology

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|-----------------------|---------------------------|--------------------------------|
| 1st | Day, 8 April 2014 | Policy and Industry |
| 2nd | Day, 9 April 2014 | Industry |
| 3rd | Day, 10 April 2014 | Start-ups & Science |

Organiser



www.nova-institute.eu

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The Biological Materials Group



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HIGHLIGHTS FROM EUROPE:

Bio-based Plastics and Composites – Biorefineries and Industrial Biotechnology

This conference aims to provide major players from the European bio-based chemicals, plastics and composite industries with an opportunity to present and discuss their latest developments and strategies. Representatives of political bodies and associations will also have their say alongside leading companies. For the first time, the conference will count with a third day especially dedicated to science and start-ups – getting them in touch with investors and industry. One highlight of the conference will be the presentation of the first running European biorefineries and the state-of-art of Industrial Biotechnology. It's one of the biggest conferences with more than 180 participants from all over the world and an exhibition which provides an excellent platform for your networking!

The 7th International Conference on Bio-based Materials (“Biowerkstoff-Kongress”) builds on successful previous conferences: in 2013 more than 180 participants and 10 exhibitors were represented. More than 200 participants and 20 exhibitors mainly from industry are expected this year.

Innovation Award

“Bio-based Material of the Year 2014”

For the seventh year running 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 competition focuses on new developments in these areas, (or will have) a market launch in 2013 and 2014, exclusively coming from Europe this time round.



Preliminary Programme

1st Day, 8 April 2014

POLICY AND INDUSTRY

9:00 Registration and welcome coffee

9:30 Conference Opening, nova-Institut GmbH 
Michael Carus

POLICY & STRATEGY FOR A BIO-BASED ECONOMY

9:30 Director, ret. EU-Commission, Advisor and Member of the 1st German Bioeconomy Council 
Dr. Dr. h.c. Christian Patermann

Bio-based economy: The most recent developments in Brussels

9:45 European Commission, DG Enterprise and Industry, Unit F.2 – Chemical Industry 
Reinhard Büscher

Towards a European bio-economy: The need for a systemic industry policy approach

10:15 Federal Ministry of Education and Research of Germany 
Henk van Liempt

Industrial bioeconomy and public funding strategy in Germany

10:45 Coffee break

11:15 nova-Institut GmbH 
Michael Carus

Improved political framework for bio-based economy – A reform proposal for the Renewable Energy Directive

11:45 STYRON Europe GmbH 
Rafael Cayuela

The Future of Chemical Industry and especially the role of bio-based Chemistry

12:15 Lunch break

13:30 Aachen-Maastricht Institute for Biobased Materials 
Dr. Stefaan de Wildeman

Decentralized biopolymer production based on many new building blocks

14:00 Assobiotech – Italian Association for the development of Biotechnology 
Mario Bonaccorso

Bio-based economy: An opportunity for Italy to return to growth

14:30 Panel discussion & press conference

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BIOREFINERIES IN EUROPE

- 15:00 **Novamont S.p.A.** 
Stefano Facco
Successful story of Novamont biorefinery in Italy
- 15:30 **Borregaard ASA** 
Gudbrand Rødsrud
Borregaard's biorefinery concepts
- 16:00 **Coffee break**
- 16:30 **Arizona Chemical LTD**  
Anna Holmberg
Bio-based specialty chemicals – Creating a profitable business by combining green innovation with performance
- 17:00 **ARD SA** 
Yvon Le Henaff
Development of Biorefinery, from various plants to several market segments

INNOVATION AWARD (7 PRESENTATIONS) “BIO-BASED MATERIAL OF THE YEAR 2014”

- 17:30 **Sponsor: Coperion GmbH** 
Peter von Hoffmann
Coperion and compounding of biobased materials
- Arkema SA** 
René-Paul Eustache
Pebax® Rnew 80R53: The new high-performance thermoplastic elastomer for ski boots application
- fischerwerke GmbH & Co. KG** 
Dr. Martin Vogel
FIS Green 300 T: The first bio-based injection mortar
- Hemp Eco Systems SA** 
Jorgen Hempel
HES-mix: The hemp-based building insulation
- Qmilch Deutschland GmbH** 
Leonie Völsger and Felix Puller
Qmilk: The fiber made of milk
- Witasek Pflanzenschutz GmbH** 
Peter Witasek
BioWit®-Tube: The biodegradable tree protector tube
- ZIEHL-ABEGG SE** 
Dr. Walter Angelis
Bionic Bio-Fan: The Bio-Fan inspired by the nature
- Zinco GmbH** 
Dieter Schenk
Natureline: Green roofing for the 21st Century
- 19:00 **Dinner buffet and Innovation Award Ceremony**

2nd Day, 9 April 2014

INDUSTRY

BIO-BASED BUILDING BLOCKS & POLYMERS

- 09:00 **SEKAB BioFuels & Chemicals AB** 
Ylwa Alwarsdotter
Towards the Cellulosic Technology Platform – Enabling the bio-based economy
- 09:30 **Novozymes A/S** 
Dr. Graeme Pullen
Renewable building blocks, oleochemicals and routes to bio-based polymers and additives
- 10:00 **Global Bioenergies SA** 
Dr. Frederic Pâques
Direct fermentation for Isobutene, Butadiene and Propylene production – A highway to renewable plastics, synthetic rubber and fuels
- 10:30 **Coffee break**
- 11:00 **nova-Institut GmbH** 
Roland Essel
Plastic microparticle in the environment: An increasing problem – Are biodegradable plastics a solution?
- 11:30 **Corbion N.V. (formerly PURAC)** 
François de Bie
PLA technology of Corbion and new fields of applications
- 12:00 **Reverdia**  
Richard Janssen
Biosuccinium™: Sense and Sustainability in biobased succinic acid development
- 12:30 **Succinity GmbH (A Joint Venture of BASF and Purac)**  
Markus Hummelsberger
Bio-based succinic acid – Lessons learnt and Outlook
- 13:00 **Lunch break**

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- 14:00 **Myriant Corporation** 
Dr. Arne P. Duss
Successful Commercialization of a Renewable Platform Molecule
- 14:30 **Avantium Chemicals B.V.** 
Ed de Jong
PEF: Opportunities and challenges bringing a technical superior bulk polyester to the market
- 15:00 **Arkema SA** 
Jean-Luc Dubois
Developments in bio-based Polyamides by Arkema
- 15:30 **SOPREMA SAS** 
Rémi Perrin
Bio based hydrophobic and durable thermoplastic elastomers for building construction materials
- 16:00 **Coffee break**

BIO-BASED COMPOSITES

- 16:30 **Asta Eder Composite Consulting**  
nova-Institut GmbH 
Dr. Asta Eder/Michael Carus
Wood-Plastic Composites (WPC) and Natural-Fibre Composites (NFC): European and Global Markets 2012 and Future Trends
- 17:00 **EcoTechnilin SAS** 
Karim Behloui
Innovative non-woven products and composites made from natural fibers
- 17:30 **Public Research Center Henri Tudor** 
Dr. Youssef Habibi
Nanocelluloses: Between hype and reality
- 18:00 **advanced compounding Rudolstadt GmbH** 
Dr. Eduard Kern
Nature long fiber-based compounds for injection molding
- 18:30 **Panel discussion**
- 19:00 **Networking snack**

3rd Day, 10 April 2014

START-UPS & SCIENCE

- 09:00 **Moderator: Tobias Kirchhoff**
BCNP Consultants GmbH 
- 09:10 **Fraunhofer Institute for Applied Polymer Research IAP, Dr. Gunnar Engelmann** 
Lignin from domestic black liquor for the production of fibre reinforced thermosets
- 09:40 **Biopolymer Consultant, Dr. Jan Ravenstijn** 
PHA ... Is it here to stay? – The role of start-ups for the PHA production worldwide
- 10:10 **Bio Base Europe Pilot Plant, Hendrik Waegeman**  
Bio Base Europe: An instrument for start-ups to bridge the gap between laboratory research and industrial production
- 10:40 **Coffee break**
- 11:10 **Qmilch Deutschland GmbH** 
Leonie Völsger/Felix Puller
Qmilk, the fiber made of milk
- 11:40 **Biométhodes SA, Gilles Amsallem** 
Optimized lignocellulosic process for biotech industries
- 12:10 **Lunch break**

START-UPS FROM CLIB2021

- 13:30 **Moderator: Dr. Vera Haye, CLIB2021** 
Start-ups and the Cluster Industrial Biotechnology
- 13:50 **Corvay GmbH, Dr. Albrecht Läufer** 
RenewChem – Invest into Process Development for Lowest Cost L-Lactid Acid Production from Lignocellulosic Biomass
- 14:20 **SensUp, Georg Schendzielorz** 
High-throughput strain development for bio-based material production
- 14:50 **Pep2Xpress, Dr. Christian Schwarz** 
Bio-based technologies – From chemical to affordable peptides
- 15:20 **PS Biotech GmbH, Sebastian Selzer** 
Polymer based fed-batch feeding (Feed Plate®) systems for early bioprocess development
- 15:50 **Networking snack**

PARTNERS OF THE START-UPS & SCIENCE DAY



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7 April 2014 – KBBPPS and Open-Bio Advisory Workshop

What are the projects about?

This workshop is a combined stakeholders event for the two FP7 projects KBBPPS and Open-Bio. Both are concerned with standardization research on bio-based products, labelling, sustainability issues and market uptake, with Open-Bio being the follow-up project of KBBPPS, further developing the results of the first project in terms of implementation and market application.

For more information about the project, please visit www.kbbpps.eu

What is the workshop about?

The event will present halfway results of KBBPPS and the planning of Open-Bio. It is intended for stakeholders from industry, policy, standardization organisations, consumer representation or other interested parties. You will hear about the intermediate research results and give ideas on next steps. Open-Bio research plans will be presented and put up for discussion. We are looking for input with a view on usability of the results, inclusion of controversial issues or prioritization. Since international outreach is a central point of these projects, we are looking forward to welcoming participants from many different countries!

Don't miss this opportunity to receive first-hand information on the recent standardization research in the EU!

You will find more information about the Advisory Workshop including the programme at www.bio-based.eu/advisory-workshop



These projects have received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement no.s 312060 & 613677.

Entrance Fee

Workshop incl.
Catering € 75
plus 19 % VAT.

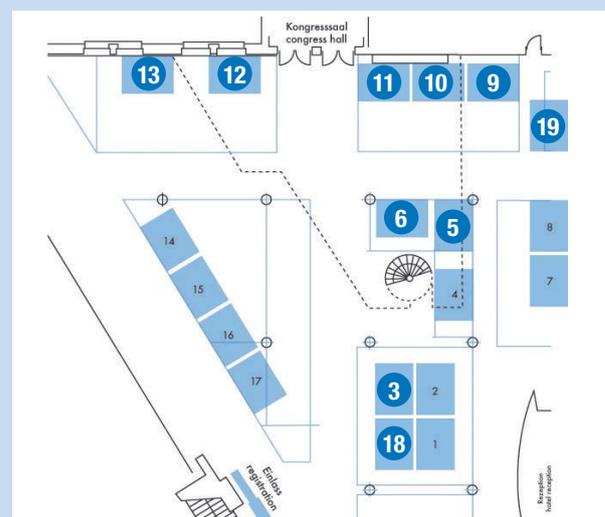
Exhibition Bio-based Plastics and Composites

Use the extraordinary chance to present your company and your products at the conference with an exhibition stand! Prices starting at 800 €.

We would be glad to provide you with a nonbinding offer, please contact:

Florence Aeschelmann
florence.aeschelmann@nova-institut.de

Overview of the exhibition



Booth No. 3
fischerwerke GmbH & Co. KG

Booth No. 5
Knowledge Based Bio-based Products' Pre-Standardization (KBBPPS) and Open-Bio

Booth No. 6
Bio Base Europe Pilot Plant

Booth No. 9 & 19
Innovation Award Bio-based Materials 2014

Booth No. 10
European Industrial Hemp Association (EIHA)

Booth No. 11
BIOTEC GmbH & Co. KG

Booth No. 12
Forschungszentrum Jülich GmbH

Booth No. 13
Fraunhofer UMSICHT

Booth No. 18
BIO.NRW Cluster Biotechnology

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Your Conference Team



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Venue & Accommodation

Maternushaus Cologne
Kardinal-Frings-Str. 1–3
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The venue is 10 minutes walking distance from the central station and 30 minutes distance by train from Cologne/Bonn airport.

Entrance Fee

Conference incl. Catering, plus 19 % VAT

1 st Day Conference 8 April 2014	2 nd Day Conference 9 April 2014	3 rd Day Conference 10 April 2014
475 €	425 €	400 €
775 €		
		725 €
		950 €