

7. Biowerkstoff-Kongress



[www.bio-based.eu/conference](http://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

- |                       |                           |                                |
|-----------------------|---------------------------|--------------------------------|
| <b>1<sup>st</sup></b> | <b>Day, 8 April 2014</b>  | <b>Policy and Industry</b>     |
| <b>2<sup>nd</sup></b> | <b>Day, 9 April 2014</b>  | <b>Industry</b>                |
| <b>3<sup>rd</sup></b> | <b>Day, 10 April 2014</b> | <b>Start-ups &amp; Science</b> |

Organiser



[www.nova-institute.eu](http://www.nova-institute.eu)

In Cooperation with

The Biological Materials Group



[www.hs-bremen.de](http://www.hs-bremen.de)

Goldsponsor  
Innovation Award



[www.coperion.com](http://www.coperion.com)

Silver Sponsors of the Conference



[www.biotec.de](http://www.biotec.de)



[www.infraserv-knapsack.de/  
anlagenplanung-bau](http://www.infraserv-knapsack.de/anlagenplanung-bau)



# International Conference on Bio-based Materials

7<sup>th</sup> 8–10 April 2014, Maternushaus, Cologne, Germany



www.bio-based.eu/conference

## 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

1<sup>st</sup> 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 Head of Unit 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 Coffe 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 Assobiotec – 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






# International Conference on Bio-based Materials

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











www.bio-based.eu/conference

## 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 **Coffe 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**

## 2<sup>nd</sup> 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 **Coffe 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**

# International Conference on Bio-based Materials



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






www.bio-based.eu/conference


## 3<sup>rd</sup> Day, 10 April 2014

### START-UPS & SCIENCE

- 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 **Coffe 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**   
**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**

- 09:00 **Fraunhofer Institute for Applied Polymer Research IAP**   
**Dr. Gunnar Engelmann**  
Lignin from domestic black liquor for the production of fibre reinforced thermosets
- 09:30 **Biopolymer Consultant**   
**Dr. Jan Ravenstijn**  
PHA ... Is it here to stay? – The role of start-ups for the PHA production worldwide
- 10:00 **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
- 10:30 **Coffe break**
- 11:00 **Qmilch Deutschland GmbH**   
**Leonie Völsger / Felix Puller**  
Qmilk, the fiber made of milk
- 11:30 **Biométhodes SA**   
**Gilles Amsallem**  
Optimized lignocellulosic process for biotech industries
- 12:00 **Lunch break**

#### START-UPS FROM CLIB2021

- 13:30 **CLIB2021**   
**Dr. Vera Hays**  
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**

# International Conference on Bio-based Materials

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



www.bio-based.eu/conference



## 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](http://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](http://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](mailto: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

# International Conference on Bio-based Materials

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



www.bio-based.eu/conference

## Your Conference Team



**Michael Carus**  
CEO  
nova-Institut GmbH

You can find all conferences and reports of the nova-Institute at: [www.bio-based.eu](http://www.bio-based.eu)



**Achim Raschka**  
Programme  
+49 (0)2233 4814-51  
[achim.raschka@nova-institut.de](mailto:achim.raschka@nova-institut.de)



**Prof. Dr. Jörg Müssig**  
University of Applied Sciences  
Bremen, Programme  
+49 (0)421 59052747  
[jmuessig@bionik.hs-bremen.de](mailto:jmuessig@bionik.hs-bremen.de)



**Dominik Vogt**  
Exhibition, Partners,  
Media partners, Sponsors  
+49 (0)2233 4814-49  
[dominik.vogt@nova-institut.de](mailto:dominik.vogt@nova-institut.de)



**Florence Aeschelmann**  
Innovation Award  
+49 (0)2233 4814-48  
[florence.aeschelmann@nova-institut.de](mailto:florence.aeschelmann@nova-institut.de)



**Jutta Millich**  
Partners, Media partners  
+49 (0)561 503580-44  
[jutta.millich@nova-institut.de](mailto:jutta.millich@nova-institut.de)



**Ina Hellge**  
Contact, Registration,  
Organisation  
+49 (0)2233 4814-40  
[ina.hellge@nova-institut.de](mailto:ina.hellge@nova-institut.de)

## Partners



[www.avk-tv.de](http://www.avk-tv.de)



[www.dib.org](http://www.dib.org)



[www.kunststoffland-nrw.de](http://www.kunststoffland-nrw.de)



[www.polycomply-hoechst.com](http://www.polycomply-hoechst.com)



[www.european-bioplastics.org](http://www.european-bioplastics.org)



[www.bio.nrw.de](http://www.bio.nrw.de)



[www.3-n.info](http://www.3-n.info)



[www.vhi.de](http://www.vhi.de)



[www.clib2021.de](http://www.clib2021.de)



[www.iar-pole.com](http://www.iar-pole.com)



[www.energieregion.nrw.de](http://www.energieregion.nrw.de)



[www.eiha.org](http://www.eiha.org)



[www.bio.org](http://www.bio.org)



[www.ibbnetzwerk-gmbh.com](http://www.ibbnetzwerk-gmbh.com)



[www.carmen-ev.de](http://www.carmen-ev.de)



[www.assobiotech.it](http://www.assobiotech.it)



[www.bncp.com](http://www.bncp.com)



[www.esf.org/matseec](http://www.esf.org/matseec)

## Media Partners



[www.plastixportal.co.za](http://www.plastixportal.co.za)



[www.plasticker.de](http://www.plasticker.de)



[www.bioplasticsmagazine.com](http://www.bioplasticsmagazine.com)



[www.plastech.biz](http://www.plastech.biz)



[www.macplas.it](http://www.macplas.it)



[www.bio-based.eu/news](http://www.bio-based.eu/news)



[www.bio-based.eu/IBIB](http://www.bio-based.eu/IBIB)



[www.agrobiobase.com](http://www.agrobiobase.com)



[www.goingpublic.de](http://www.goingpublic.de)



[www.liebertpub.com](http://www.liebertpub.com)



[www.k-zeitung.de](http://www.k-zeitung.de)



[www.transkript.de](http://www.transkript.de)



[www.european-biotechnology-news.com](http://www.european-biotechnology-news.com)



[www.heise.de/tr](http://www.heise.de/tr)

## Partner Events



[www.ecochemex.com](http://www.ecochemex.com)



[www.efibforum.com](http://www.efibforum.com)



[www.oilseedandgraintrade.com](http://www.oilseedandgraintrade.com)



[www.womeninag.com](http://www.womeninag.com)

## Venue & Accommodation

**Maternushaus Cologne**  
Kardinal-Frings-Str. 1–3  
50668 Cologne, Germany  
+49 (0)221 16310  
[info@maternushaus.de](mailto:info@maternushaus.de)

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 <sup>st</sup> Day Conference 8 April 2014	2 <sup>nd</sup> Day Conference 9 April 2014	3 <sup>rd</sup> Day Conference 10 April 2014
475 €	425 €	400 €
775 €		
		725 €
		950 €