



International Congress

Raw Material Shift & Biomaterials

www.raw-material-shift.info

December 3rd and 4th, 2008
Maritim Hotel, Cologne

Congress languages: German/English simultaneous translation



The congress will focus on

Raw Material Shift

- Fossil and mineral resource (price) shift
- Global resource-situation
- What can agricultural resources accomplish as an alternative?
- Trends of the most important agricultural and wood resources

Biomaterials

- bioplastics, natural fibre (bio-) composites, Wood-Plastic-Composites (WPC)
- National and global markets
- Technologies and methods
- Industries and applications

Sponsor



Media partner



Raw Material Shift

Following six years of commodity rally the prices are finally decreasing again. What will be happening next year? Strategic decisions for the raw material supply of the industry are today more important than ever, new shortages are about to come.

How must the current discussions about "biomaterials & food" be evaluated? The fact is, that the prices of agricultural commodities have experienced a moderate rise compared to fossil and mineral commodities. Agricultural resources could therefore be a valuable option for the commodity diversification of the industry.

Biomaterials

The use of Renewable Resources for energy is currently experiencing a blowback and there are definitely better ways in the near future of producing energy whereas there are no alternatives to the increased material use of agricultural resources.

Biomaterials are a new material group defining itself by its agricultural and forest resource basis. Degradable and non-degradable bioplastics, Natural Fibre (Bio-)Composites (NFC) and Wood-Plastic-Composites (WPC) are included in this material group.

The industrial biotechnology will play an important role in the production and development of biomaterials in the future.

Meet leading experts from the industry, research and politics and discuss your resource strategies and biomaterial options.

Partner of the congress

- Cluster Industrielle Biotechnologie e. V. (CLIB²⁰²¹)
- Deutsches Verpackungsinstitut e.V.
- European Bioplastics e. V.
- European Composites Industry Association (EuCIA)
- European Center of Plastics GmbH (ECP)
- Fachagentur Nachwachsende Rohstoffe e. V. (FNR)
- Fraunhofer Institut Umwelt-, Sicherheits-, Energietechnik UMSICHT
- Hochschule Bremen, Internationaler Studiengang Bionik
- Industrievereinigung Verstärkte Kunststoffe e. V. (AVK)
- Kiemkracht (Niederlande)
- Verband der Deutschen Holzwerkstoffindustrie e. V. (VHI)

Be a sponsor or partner of the congress:

For more informations please contact
Nicklas Monte
Phone: +49 (0) 22 33 - 48 14 42
nicklas.monte@nova-institut.de

Programme 1st day

3.12.08, 10:00 - 18:30

Raw Material Shift - Changed framework for the resource supply of the industry

9:00h **Reception of the participants**
10:00h **Opening speech: Ursula Heinen (Parliamentary State Secretary of the Federal Minister of Food, Agriculture and Consumer Protection)**

1st session: Global commodity (price) shift

10:30h **Hilmar Rempel (Federal Institute for Geosciences and Natural Resources - BGR, Hannover)**
Availability of fossile and mineral resources in the context of the rising world demand - trends and developments

11:00h **Jochen Hitzfeld (HypoVereinsbank - UniCredit Group AG, Munich)**
Commodities, the new asset class: preview 2009

11:30h **Matthias Fawer (Bank Sarasin & Cie AG, Basel) & Matthias v. Armansperg (Syntegra Solar Ltd., Offenbach)**
Medium-term potentials of the worldwide solar energy use and its influence on the energy use of biomass

12:00h **Lunch break**

2nd session: What can renewable resources accomplish as a future alternative?

13:00h **Michael Carus (nova-Institut GmbH, Huerth)**
Raw material shift: commodity prices, causes and consequences

13:30h **Prof. Dr. Folkhard Isermeyer (Johann Heinrich von Thünen-Institut, Braunschweig)**
Current and future availability of agricultural resources on the world markets

14:00h **Dr. Horst Weigelt (CLAAS KGaA mbH, Harsewinkel)**
Sustainable biomass-supply

3rd session: Important agricultural and forest resources: Global and national markets, prices, trends and applications

14:30h **Dr. Klaus-D. Kibat (Verband Deutscher Papierfabriken e.V., Bonn)**
Wood and pulp - an important resource for the paper industry: material vs. energy use

15:00h **Bernd Frank (European Industrial Hemp Association - EIHA & Badische Naturfaseraufbereitung GmbH - BaFa, Malsch)**
Renaissance of natural fibres

15:30h **Coffee break**

16:00h **Volker Capitain (Tate & Lyle PLC, Wittlich)**
Starch as a resource for the industry: markets, applications and price trends

16:30h **Dr. Helmut Ahlfeld (F.O. Licht GmbH, Ratzeburg)**
Sugar as a resource for the industry: markets, applications and price trends

17:00h **Dr. Karlheinz Hill (Cognis GmbH, Duesseldorf)**
Vegetable oils as raw materials for industrial applications

17:30h **Dr. Michael Keßler (Weber & Schaer GmbH & Co. KG, Hamburg)**
Natural rubber - an agricultural product as an industrial resource

Innovation Award - Biomaterial of the Year
Voting and bestowal before and during the dinner buffet

Programme 2nd day 4.12.08, 9:00 - 17:00

Biomaterials

1st session: Biomaterials - From the bioresource to the market

- 09:00h **Prof. Dr.-Ing. Jörg Müssig (University of Applied Sciences Bremen, Dept. for Biomimetics)**
Biomimetics - From nature to biomaterials
- 09:30h **Christian Gahle (nova-Institut GmbH, Huerth)**
Biomaterials - materials of the future: current market data and attractive product samples

2nd session: Biotechnology for material innovations

- 10:00h **Dr. Manfred Kircher (CLIB²⁰²¹, Duesseldorf)**
Industrial biotechnology and its potentials for biomaterials
- 10:30h **Mikael Lindstrom (STFI-Packforsk AB, Stockholm)**
The biorefinery as a source for renewable materials - from technology push to market pull
- 11:00h **Coffee break**

3rd session: Biomaterials in the automotive industry

- 11:30h **Maira Magnani (Ford Forschungszentrum Aachen)**
Renewable material application in Ford Motor Company vehicles
- 12:00h **Dr. Eugen Pröpper (Johnson Controls Interiors GmbH & Co. KG, Grefrath)**
Natural and wood fibre composites and bioplastics for the automobile interior - a success story
- 12:30h **Michael Hagemann (Volkswagen AG, Wolfsburg)**
Biomaterials at Volkswagen
- 13:00h **Lunch break**

4th session: Bio-Compounds - New materials for the industry

- 14:00h **Alexandre Pereira (Amorim Group, Mozelos, Portugal)**
Cork - from a traditional product to a modern building material for the industry
- 14:30h **Dr. Christian Bonten (FKuR Kunststoff GmbH, Willich)**
Wood-Plastic-Composites (WPC) - a wooden material of the plastic industry
- 15:00h **Holger Sasse (NOVO-TECH GmbH & Co. KG, Aschersleben)**
Polymerbound wood materials for premium applications in the construction and automotive industry
- 15:30h **Coffee break**

5th session: New bioplastic trends

- 16:00h **Jöran Reske (European Bioplastics e.V., Berlin)**
Bioplastics - producers, applications and markets
- 16:30h **Dr. Arnold Schneller (BASF AG)**
Biopolymers - an industrial prospect?!
- 17:00h **Christopher Straeter (3N & Forschungsgemeinschaft Biologisch Abbaubare Werkstoffe e.V. (FBAW), Hannover)**
Bioplastics in agricultural industry - successful market introduction of biologically degradable planting pots and mulch film
- 17:30h **End of congress**

Convenient and easy registration at www.raw-material-shift.info

- ➔ Congress, 3. & 4.12.2008
incl. dinner buffet 650,00 EUR
- ➔ Congress, 3. & 4.12.2008
incl. gala dinner buffet (student) 300,00 EUR
- ➔ 3.12.2008 only
incl. gala dinner buffet 400,00 EUR
- ➔ 3.12.2008 only
excl. gala dinner buffet 350,00 EUR
- ➔ 4.12.2008 only
excl. gala dinner buffet 350,00 EUR
- ➔ Gala dinner buffet (buffet and beverages) only, 3.12.2008 50,00 EUR

All prices exclusive of VAT

Exhibition

There will be a parallel exhibition to the congress focusing on the raw material shift & biomaterials - production, trade, applications, research and development.

- Cluster Industrielle Biotechnologie e.V. (CLIB²⁰²¹), Düsseldorf
- H. Hiendl GmbH & Co. KG, Bogen
- Fachagentur Nachwachsende Rohstoffe e.V., Gülzow
- Fraunhofer Umsicht, Oberhausen
- FKUR Kunststoff GmbH, Willich
- nova-Institut GmbH, Hürth
- Reifenhäuser Extrusion GmbH & Co. KG, Troisdorf

As of October 31th (only 10 booths still left)

Registration to the exhibition

For detailed informations regarding the registration form, costs, booth systems and exhibition map please visit

www.raw-material-shift.info » exhibition

www.raw-material-shift.info

Contact for the Programme, Sponsoring, Exhibitors and Participants

nova-Institut GmbH - Chemiepark Knapsack Industriestr., 50354 Hürth, Germany

Dominik Vogt (organisation)
Phone: +49 (0) 22 33 - 4814 49
dominik.vogt@nova-institut.de

Christian Gahle (biomaterials)
Phone: +49 (0) 22 33 - 4814 48
christian.gahle@nova-institut.de

Nicklas Monte (raw material shift)
Phone: +49 (0) 22 33 - 4814 42
nicklas.monte@nova-institut.de

Fax: +49 (0) 22 33 - 4814 50
www.nova-institut.de/nr



Innovation Award - Biomaterial of the Year

For the first time, an innovation award is offered for the new material group of biomaterials including bioplastics, natural fibre (bio-)composites and Wood-Plastic-Composites (WPC). The innovation award sponsored by Reifenhäuser GmbH & Co. KG Maschinenfabrik wants to sensitise the biomaterial branch - but also interested companies from outside the industry - to innovative ideas in both the product development and product design sector, as well as to the realisation of new technologies, methods, tools and formulations. In practical terms, the competition shall stimulate the development of new applications that are appropriate for the materials involved and markets for biomaterials.



The awards ceremony will be held in a festive atmosphere at a gala dinner in the congress hall of the renowned Maritim hotel in Cologne on the occasion of the International Congress Raw Material Shift & Biomaterials.

The "top 3" of the received applications exhibit their innovations on a shared exhibition area and get free entrance as well as the possibility to present their innovations at the congress in the form of short lectures. The "top 3" of the received applications and their innovations will be highlighted in the media work and added to the congress documents. The winner will be selected via voting of all congress participants.

Filing deadline has been extended to November 14th 2008.

Organizer

The nova-Institut was founded in 1994 as a private and independent institute. One major focus of the department "economy and resources" are the current global resource problems with the main research on Renewable Resources. The department "biomaterials" is specialised in the study of the material use of Renewable Resources like natural fibres, wood and bioplastics for the automobile and construction industry. Within its professions the nova-Institut has conducted numerous projects as well as market and feasibility studies.

Since its foundation the institute has organised many professional congresses, seminars and workshops alongside the scientific and consultancy work.

nova-Institut GmbH
Chemiepark Knapsack

Industriestr.
50354 Hürth, Germany
www.nova-institut.de/nr



Invitation to WPC-OPEN-HOUSE-EVENT

Dezember 2nd 2008 from 14:00 to 18:00
at Reifenhäuser EXTRUSION GMBH & CO.KG,
Troisdorf

We'd kindly like to invite you to our WPC-Open-House-Event in Troisdorf on December, 2nd 2008 from 14:00 to 18:00 in Troisdorf. We would like to give you the opportunity to view our newest technologies in the field of "direct extrusion" at the main sponsor's area live and under production conditions. Reifenhäuser specialists will be at your disposal to discuss all your questions concerning technology, process and product with you personally. With your registration until 15th November we grant you a 20 % discount on your congress ticket. Please contact us to receive the discount. The Reifenhäuser team is looking forward to your registration.

Please note!

We kindly ask for your understanding that for technical reasons we can only grant admission to guests with prior notification to our WPC-Open-House-Event. Based on your visit of the Open-House-Event we confirm the 20 % discount on your congress ticket to the nova-Institut.

Contact and registration:

Martina Groncki
Phone: +49 (0) 22 41- 481177
martina.groncki@reifenhauer.com



Venue

Maritim Hotel Köln
Heumarkt 20, 50667 Köln

Phone: +49 (0) 2 21- 20 27-0
Fax: +49 (0) 2 21- 20 27-8 26

info.kol@maritim.de
www.maritim.de



Picture credits: InfracServ GmbH & Co. Knapsack KG, CLAAS KGaA mbH, nova-Institut GmbH, Daimler AG

Partners

