

6th International Conference of the European Industrial Hemp Association (EIHA)

www.eiha.org/conf6th

May 27th-28th, 2009

Rheinforum, Wesseling / near Cologne (Germany)

Congress language: English



The congress will focus on the latest developments concerning hemp and other natural fibres.

The spectrum of participants will range from

- cultivation consultants,
- primary and further processors,
- traders, mechanical engineers,
- investors to enterprises to
- suppliers (for example: insulation material, pulp & paper, automotive).

They all share common interest in the industrial utilisation of hemp fibres and shives. Other topics are hemp seeds and hemp oil in nutrition.

Don't miss the biggest industrial hemp event in 2009 - world wide!

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6th International Conference of the European Industrial Hemp Association (EIHA)

Why hemp is a crop of the future!

Currently about 15,000 ha of hemp are being produced in the European Union. Following the decortication and fibre separation, the hemp can be divided into two main products: fibres and shives. About 24,000 t of **hemp fibres** are being produced in the EU every year. Hemp fibres are most commonly used for speciality pulp and paper. New innovative applications include natural fibre composites used in the automobile industry (i.e. door panels) and many other applications (i.e. grinding discs), as insulation for the construction industry and agrotexiles for weed prevention and a renewable growing medium for cress and salad crops.

About 48,000 t of **hemp shives** were produced in the EU. Shives are used for animal bedding, particle boards for construction, furniture and gardening, especially as a less acidic alternative to bark mulch. The most important new application for hemp shives mixed with Lime is for highly insulative wall construction in both domestic and industrial buildings. Hemp gives us the opportunity to lock up, sequester significant amounts of carbon in these constructions.

Hemp seeds are a third product resulting out of hemp cultivation. They can be used for food, feed and cosmetics. Applications for hemp seeds are snacks, oil for human consumption as well as body care and detergent. The bulk of hemp seeds are used for bird and fish feed.

Life cycle assessments (LCA) for different hemp products show significant environmental advantages. Hemp replaces fibre glass in composites and insulation materials and is used in the construction industry instead of conventional materials. The cumulated energy demand for producing hemp fibres is ten to 20 times lower than that for fibre glass.

Hemp fibres and shives belong to the "new biomaterials" which industry now demands. The use of hemp fibre will save finite resources, reduce CO₂ emissions and will store Carbon.

Hemp, an innovative material, is good for agriculture, the environment and enhances regional development!

Workshops plenary

In addition to the Plenary meeting we offer this year several workshops whose participants number are limited to approx. 20 persons. Please make your registration for one or several workshops by writing an email to Mr. Dominik Vogt: dominik.vogt@nova-institut.de

We suggest the following workshop topics, but we are open for other proposals:

- Hemp seeds as food
- Hemp fibre for composite material (press moulding / injection moulding)
- Cultivation & harvesting
- Hemp shives - lime for construction

Exhibition

You would like to present your innovative industrial hemp products? Book a table and a bulletin board for only 150 EUR (plus 19% VAT) now: Mr. Dominik Vogt, Phone +49 (0)2233 4814-49, email: dominik.vogt@nova-institut.de

Registration: www.eiha.org/conf6th
Price: 330 € plus 19% VAT for two days including dinner buffet, 165 € for members of EIHA
Venue¹: Rheinforum, Kölner Straße 42, 50389 Wesseling / Germany (near Cologne)
Hotel¹: "Hotel am Rhein", Auf dem Rheinberg 2, 50389 Wesseling / Germany
phone: +49 (0)2236 325-0,
fax: +49 (0)2236 325-199,
info@hotelamrhein.de
www.hotelamrhein.de

Media partner:



Organiser

nova-Institut GmbH
Chemiepark Knapsack,
Industriestrasse, 50354 Huerth,
Germany
www.nova-institut.de/nr



Contact

Dipl.-Geogr. Dominik Vogt
phone: +49 (0)2233 4814-49
dominik.vogt@eiha.org

¹**New venue & hotel information:** The new venue of the conference - the Rheinforum - has a capacity of 200 participants and space for a lot of booths. The venue is next to the "Hotel am Rhein", where we have reserved 55 rooms. You can make your arrangements as soon as possible - please use the keyword **EIHA 2009**. If you will book your hotel later, there is the risk that you have to choose a hotel 10 or 15 minutes away from the venue.

Preliminary programme

www.eiha.org/conf6th

May 27th 2009

A1: INTRODUCTORY SESSION

Welcome - Recent status of EIHA

Michael Carus (nova-Institut GmbH, Germany)

Why hemp should be a crop of the future - EIHA lobbying in Brussels - update on Hemcore

John Hobson (EIHA, United Kingdom)

Status and outlook on natural fibres in the international year of natural fibres (IYNF)

Stephan Piotrowski (nova-Institut GmbH, Germany)

Regional development in Common Agriculture Policy (CAP) of the European Union

Florian Gerlach (nova-Institut GmbH, Germany)

A2: COUNTRY REPORTS

The French Hemp Industry: Cultivation, Processing & Applications - Main actors in agriculture, industry and branch-framework

Sylvstre Bertucelli (FNPC, France)

French Varieties of Hemp, multiplication of hempseeds

Oliver Beherec (FNPC, France)

New legislation for growing hemp in Slovakia

Michal Tozser (ABM Slovakia s.r.o., Slovakia)

A3: AGRICULTURE: CULTIVATION, HARVESTING, HEMP STRAW & FIBRE PROCESSING

Hemp projects, the bottlenecks and some solutions

François Desanlis (experienced hemp farmer, France)

High effective harvesting and straw handling technologies to improve competitive situation of bast fibre production

J. Paulitz (Ing.büro für Naturfasertechnologien);

G. Rascher; H.-J. Gusovius

New innovative harvesting technology

Melanie Ruppe (TEBECO spol.s r.o., Czech Republic)

New approach to hemp processing and handling technologies

Phil Warner (Ecofibre Industries Limited, Australia)

Optimisation of bast fibres for use in industrial production

Dr. Holger Fischer (Faserinstitut Bremen – FIBRE, Germany)

May 28th 2009

B1: INNOVATIVE PROCESSING AND APPLICATIONS

Hemp fibres for industrial applications

Michael Carus (nova-Institut GmbH, Germany)

An alternative processing route for hemp and other natural fibres for economical viable products

R. Pecenka (Institut für Agrartechnik (ATB), Germany)

The Crailar Action Plan: Bringing technology to market

Jason Finnis (Naturally Advanced Technologies, Canada)

Natural longfiber multipurpose forming technology

Gerhard Spengler (R+S Technik GmbH, Germany)

Press moulded hemp fibre reinforced PLA composites - influence of fibre mixture and processing technique

Graupner, Nina & Prof. Dr. Müssig, Jörg (University of Applied Sciences Dept. for BIOMIMETICS / Biological Materials, Germany)

B2: HEMP FOR FOOD

The health properties of hemp support its use in the european food and supplement markets

Kelley C. Fitzpatric (Canada)

Update of the canadian hemp industry

Andrea Hermann (Canadian Hemp Trade Alliance, Canada)

National and international canadian industrial hemp grain variety characterization/development project

Gordon Scheifele (Ontario Hemp Alliance & Canadian Hemp Trade Alliance, Canada)

B3: HEMP FOR ENERGY

Hemp: A bioenergy feedstock for Ireland

John Finnan (Teagasc, Ireland)

Hemp shives as a source of energy

Jacek Kolodziej (Institute of Natural Fibres & Medicinal Plants, Poland)

200 participants from 50 countries are expected. Participants list can be viewed at: www.eiha.org/conf6th