

# Cultivation & Processing of Industrial Hemp in Europe

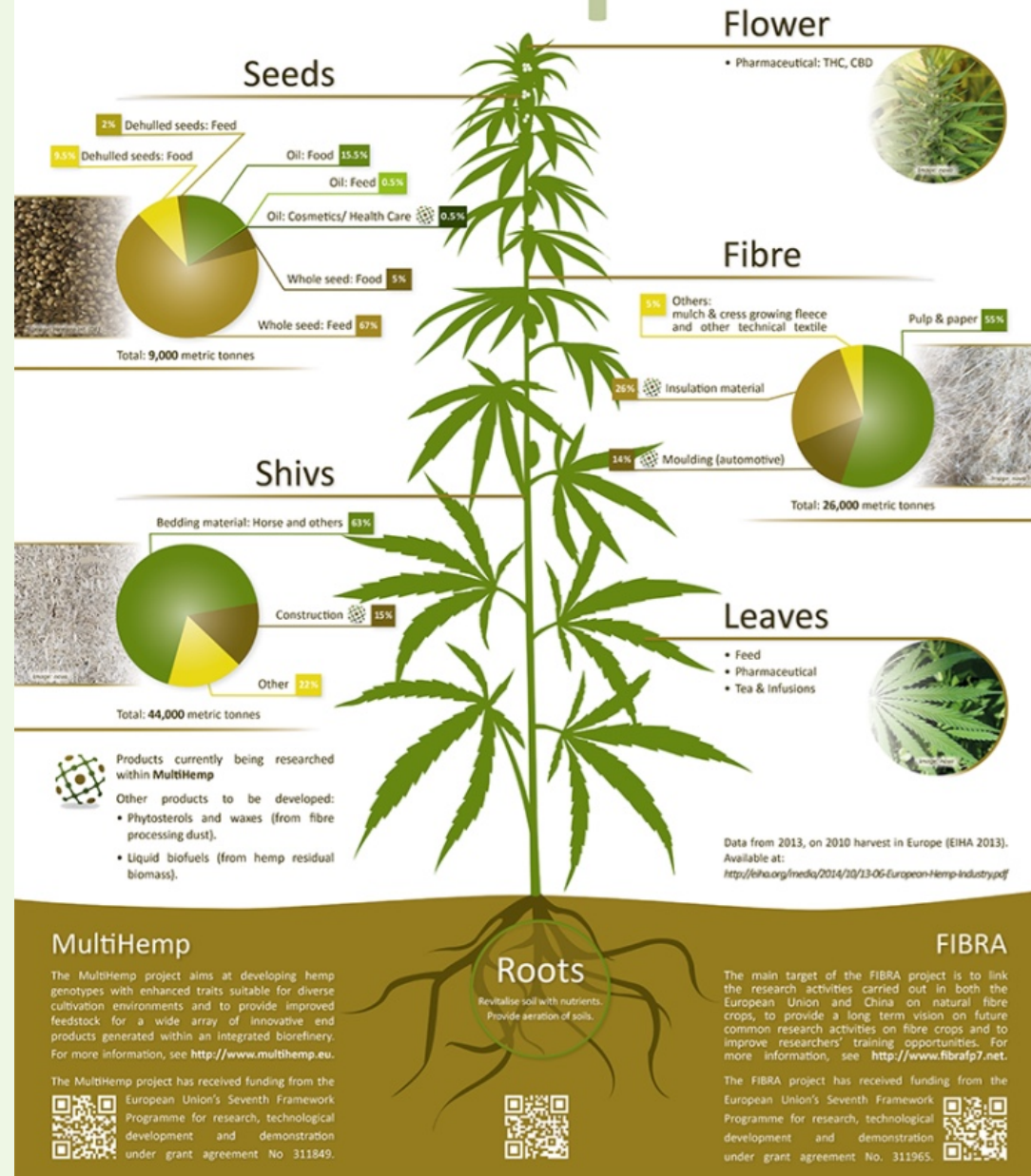
12 June 2018

Maternushaus, Cologne, Germany

**Mark Reinders**  
President of EIHA



# A natural biorefinery Hemp



## MultiHemp

The MultiHemp project aims at developing hemp genotypes with enhanced traits suitable for diverse cultivation environments and to provide improved feedstock for a wide array of innovative and products generated within an integrated biorefinery. For more information, see <http://www.multhemp.eu>.

The MultiHemp project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement No. 311849.



## FIBRA

The main target of the FIBRA project is to link the research activities carried out in both the European Union and China on natural fibre crops, to provide a long term vision on future common research activities on fibre crops and to improve researchers' training opportunities. For more information, see <http://www.fibrafp7.net>.

The FIBRA project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement No. 311965.



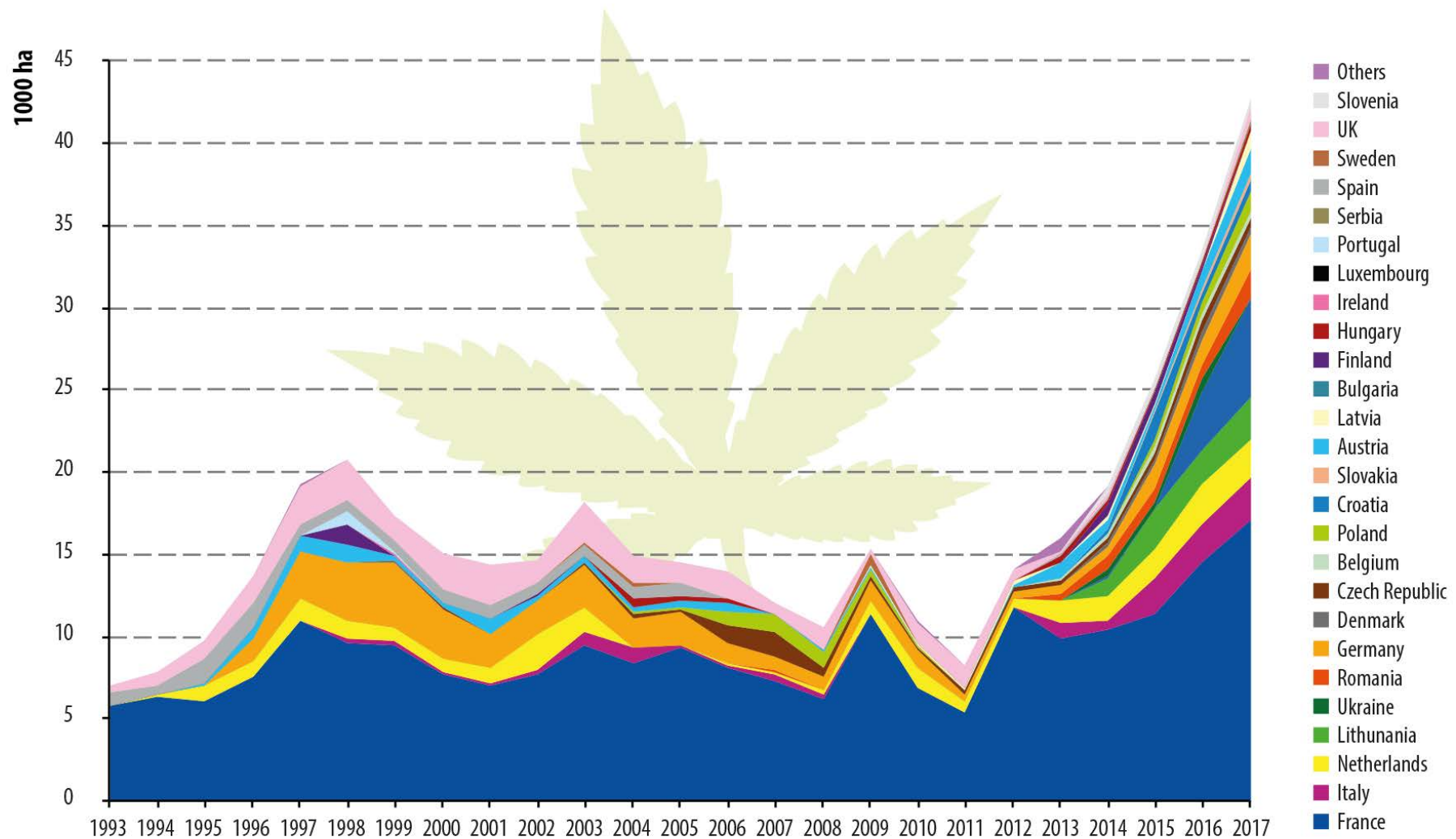
# Latest data on hemp cultivation





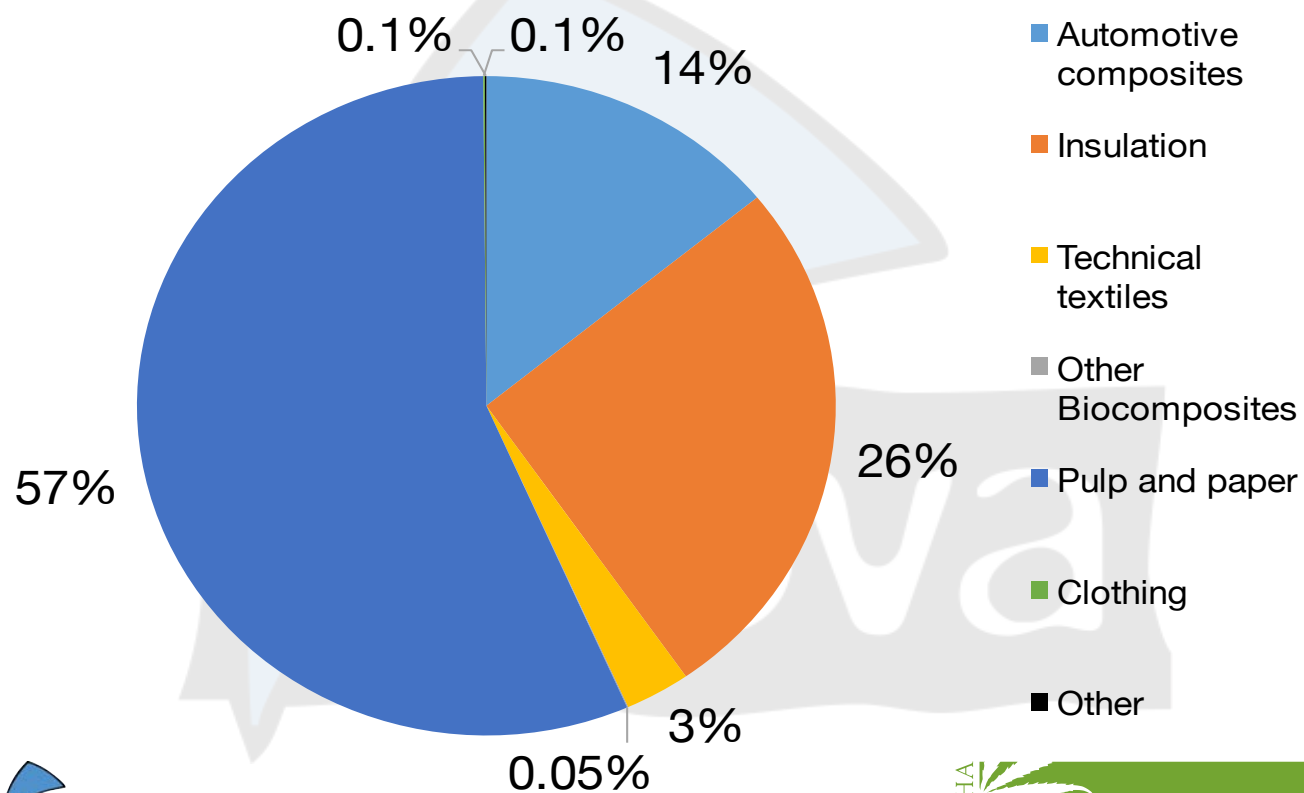
## Hemp Cultivation Area in the EU (ha)

2017: ca. 42,500 ha

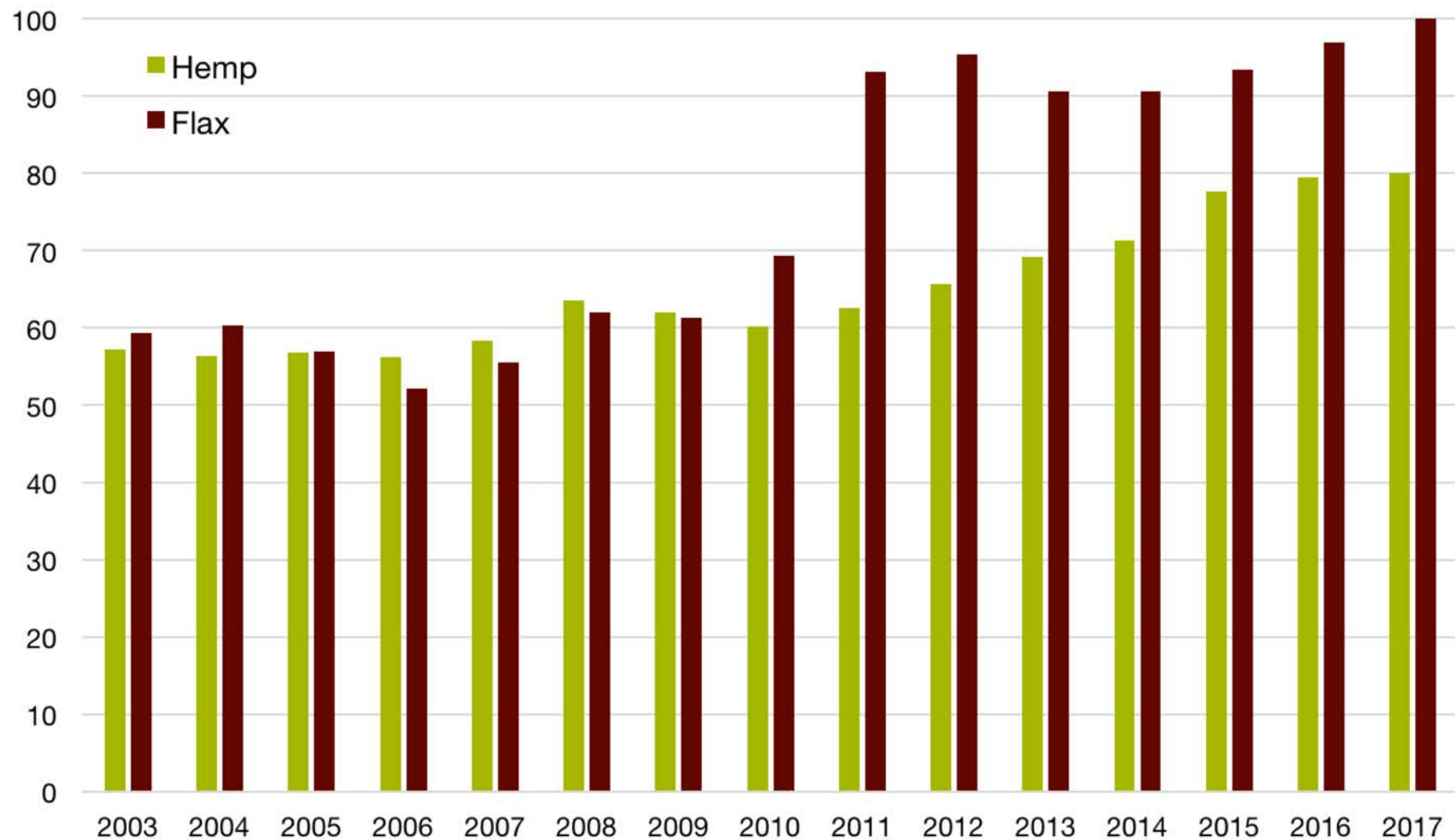


## Results of the 2015 EIHA survey: Hemp Fibres

### Hemp fibres 2013, total: 25,000 tonnes

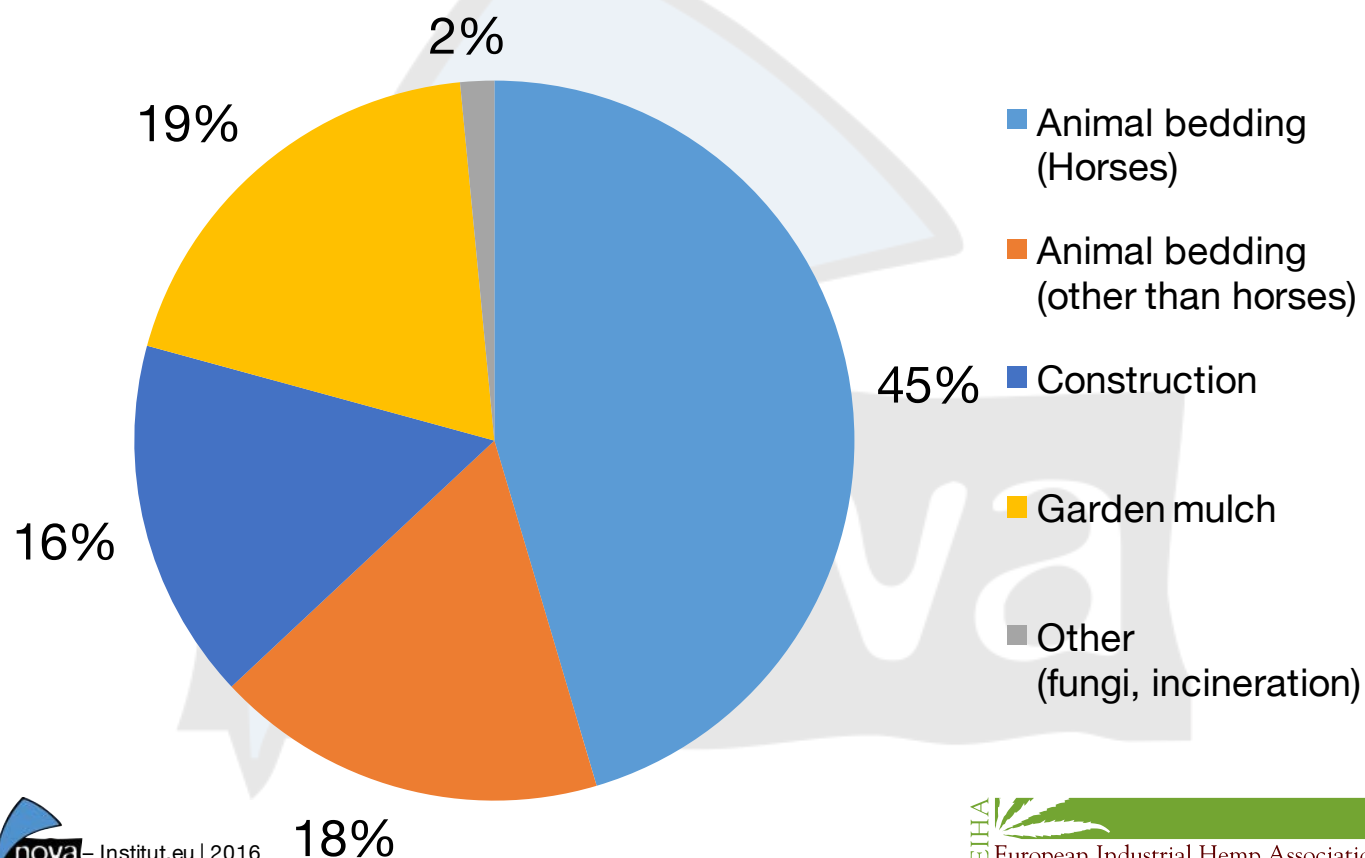


## Yearly average prices of technical flax and hemp short fibres in €-cent/kg (supply of 100 tonnes per year to factory gate in Central Europe)



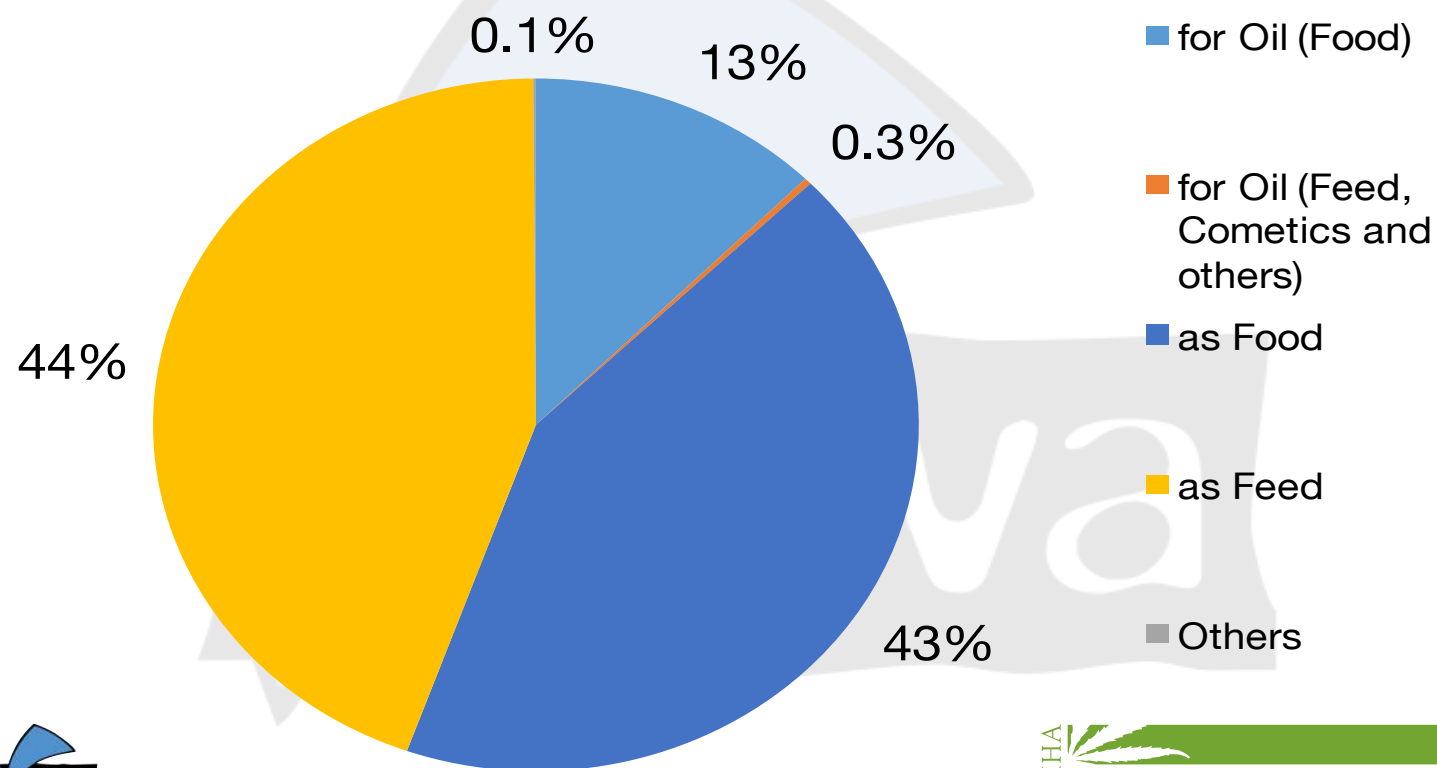
## Results of the 2015 EIHA survey: Hemp Shivs

**Hemp shivs 2013, total: 43,000 tonnes**



## Results of the 2015 EIHA survey: Hemp Seeds

**Hemp seeds 2013, total: 11,500 tonnes**

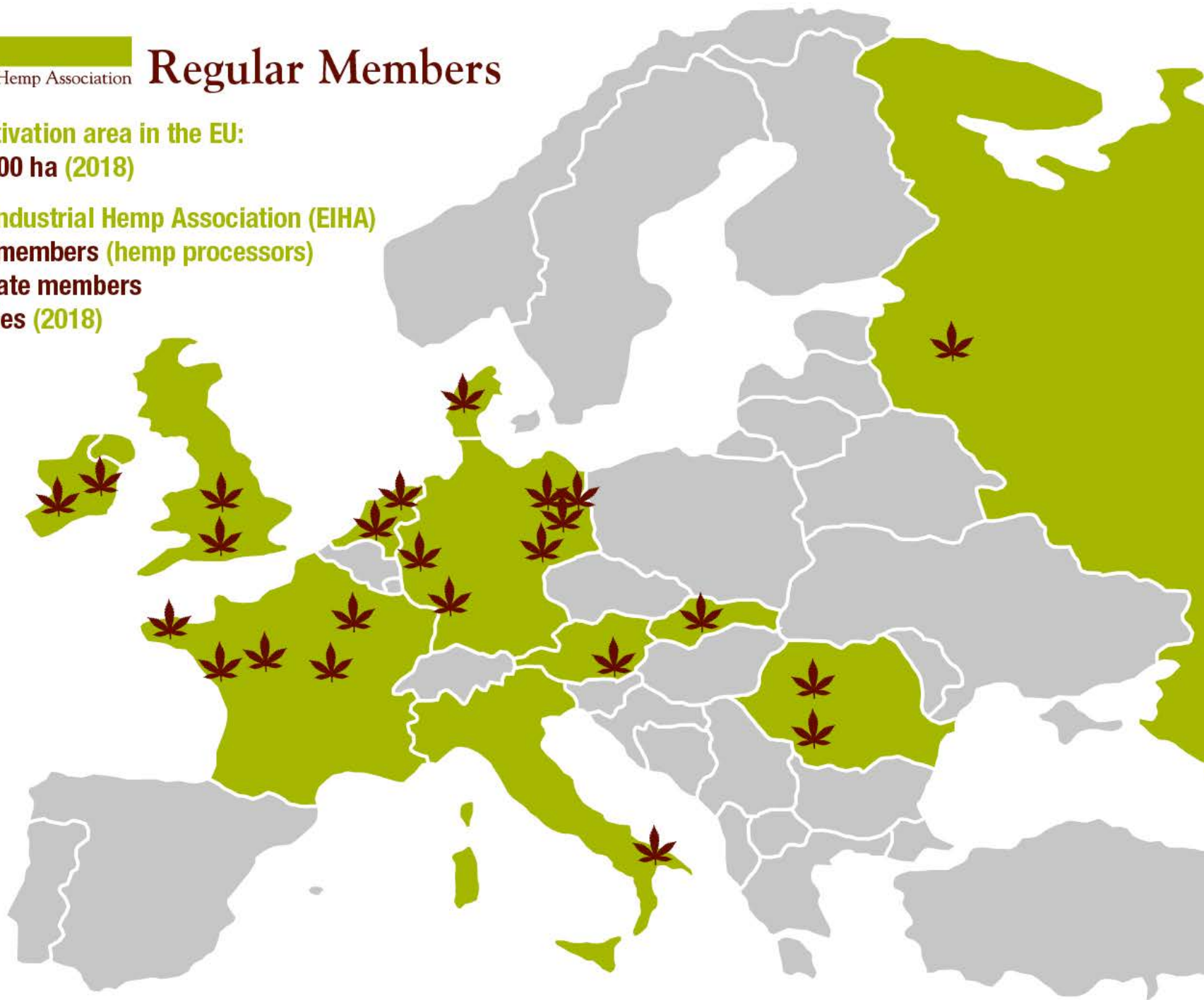




## Regular Members

Total Hemp cultivation area in the EU:  
 more than 42,500 ha (2018)

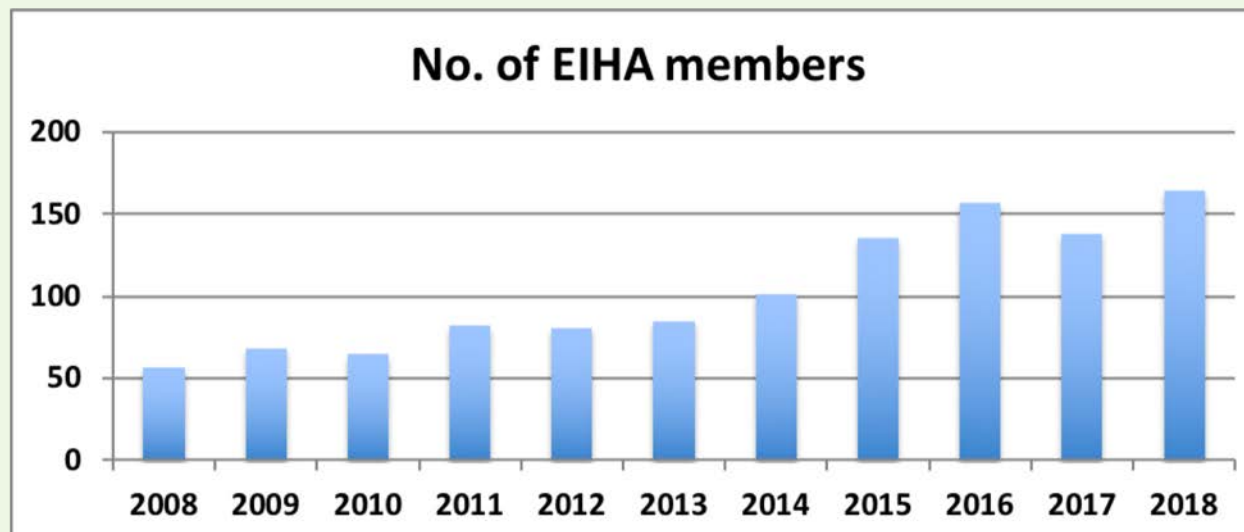
The European Industrial Hemp Association (EIHA)  
 has 27 regular members (hemp processors)  
 and 138 associate members  
 from 36 countries (2018)



One regular member each in the USA, Canada and China.

## 165 (27 regular & 138 associate) members of the EIHA in 2018

- **127** members from **25** European Countries
- **38** members from other **11** countries like Australia, Canada, China, India, New Zealand, Russia, Thailand, Turkey, Ukraine, USA



### Cooperation with

- InterChanvre, France
- Hemp Industries Association (HIA), USA
- Canadian Hemp Trade Alliance (CHTA), Canada
- International Hemp Building Association (IHBA), Ireland

## List of Suppliers

# 27 Regular Members – many more than before

Bafa Neu GmbH (Germany)

CANAH International SRL (Romania)

CAVAC BIOMATERIAUX (France)

Coopérative Centrale Des Producteurs De Semences De Chanvre (France)

Deep Nature Project GmbH (Austria)

Dun Agro B.V. (The Netherlands)

Elixinol (United States of America)

Green Sky Labs (Canada)

GW Research Ltd (Great Britain)

Hanf Farm GmbH (Germany)

Harmony (Great Britain)

Hemp Factory GmbH (Germany)

HempFlax B.V. (The Netherlands)

HempFlax Europe S.R.L. (Romania)

Hempro Int. GmbH & Co. KG (Germany)

Interchanvre (France)

Jinzhou Qiaopai Biotech Co. Ltd. (China)

Konoplex Ltd. (Russia)

Laia's Proteinhanf GmbH (Germany)

MH medical hemp GmbH (Germany)

Moellerup Estate (Denmark)

Natural Oil & Fibres LTD (Ireland)

Planete Chanvre (France)

South Hemp Tecno srl (Italy)

The Hemp Company Dublin (Ireland)

The Hemp Cooperative (Slovakia)

TRIBALLAT Noyal (France)

# Index for regular members at [www.eiha.org/suppliers](http://www.eiha.org/suppliers)



Howdy, Dominik Vogt

Welcome to

## European Industrial Hemp Association

Industrial Hemp: Pulp & Paper, Insulation, Biocomposites & Construction, Food & Feed and Pharmaceuticals

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www.hemptrade.ca

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International Hemp Business Association

**HEMP INDUSTRY ASSOCIATION**

**European Industrial Hemp Association**



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 Tony Reeves  
 Bernhard Beitzke



## Reports and position papers

### Latest activities and publications on CBD

- 18-01-17 Press Release: Pre-review of CBD by the World Health Organization (WHO) with favorable results – next step in May
- 17-12-07-Joint EIHA – FAAAT contribution to the 39th ECDD evaluation of Cannabidiol
- 17-03-29 Press Release: Patchwork of regulations on Cannabidiol (CBD) endangering use as a food supplement to the detriment of consumers and food industry
- 17-01 Position paper of EIHA on CBD, update January 2017 (support page)
- 16-10-24-Review on: Safety and Side Effects of CBD
- 16-09-01-Even high doses of oral cannabidiol do not cause THC-like effects in humans
- 16-11-11-Legal-Opinion-CBD-Novel-Food
- 16-12-07-Legal-opinion-CBD-Medicinal-product
- 16-10-26\_Rechtsgutachten\_CDB-Arznei
- 16-10-26\_Rechtsgutachten\_CBD\_Novel Food

### Latest activities and publications on THC

- **NEW: 18-03-07 Press release: The European Industrial Hemp Association (EIHA) demands rational THC limits for industrial hemp in accordance with international regulations**
- 17-09-18 Reasonable guidance values for THC (Tetrahydrocannabinol) in food products
- 17-09-18 Press Release: Reasonable guidance values for THC (Tetrahydrocannabinol) in food products
- 16-10-25-Decarboxylation of Tetrahydrocannabinolic acid (THCA) to active THC
- 16-12-19-Comparison of EFSA's rationale behind using uncertainty factors for plant ingredients in food
- 16-12-08-Legal-Opinion-legal marketability of food with THC
- 16-10-27\_Rechtsgutachten\_Verkehrsfähigkeit\_von\_Lebensmitteln\_mit\_THC

**Have you signed already?**

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

**220 supporters**



# European Industrial Hemp Association

## The Cologne Declaration on Industrial Hemp

**The European Industrial Hemp Association (EIHA)  
Cologne (Germany), 7 June 2017**

Authors of the declaration: Michael Carus (Managing Director of EIHA), Mark Reinders (President of EIHA), Boris Bañas (Board member), Bernd Frank (Board member), Daniel Kruse (Board member), Daniela Sfrija (Board member)

**This Declaration has been signed by the following participants of the “14th International Conference of the European Industrial Hemp Association”, 7 - 8 June 2017, Maternushaus, Cologne, Germany**

**Industrial hemp delivers a remarkable global performance and attracts more and more investments. Hemp is a multi-purpose crop, a biorefinery by nature, delivering fibres, shives, seeds and active plant ingredients for food supplements and pharmaceuticals at the same time.**

## **1) Reasonable and harmonised legislation on THC guidance values for food**

The signatories urge policy makers to develop a reasonable and harmonised legislation on THC guidance values for food in Europe and in all member states, to make sure that consumers are protected, to sustain the industry's current double-digit growth rate, to attract new investors, create jobs and to boost product development.

## **2) Reasonable and harmonised legislation on hemp extracts and non-psychoactive cannabinoids**

The signatories urge policy makers to develop a reasonable and harmonised legislation on cannabinoids and hemp extracts as food supplement ingredients as well as pharmaceuticals (depending on the dose) in Europe and in all member states, to make sure that consumers are protected, to sustain the industry's current double-digit growth rate, to attract new investors, create jobs and to boost development of safe products.

## **3) Reasonable legislation on THC content in industrial hemp varieties**

The signatories urge policy makers to create European legislation allowing for industrial hemp to possess a THC content below 0.3% in harmonisation with the rest of the world to create a level playing field especially with Canada and the USA.

## **4) End the ban of the cultivation of industrial hemp in the UN Single Convention on Narcotic Drugs**



# Joint EIHA – FAAAT contribution to the 39<sup>th</sup> ECDD evaluation of Cannabidiol

World Health Organization, Geneva (Switzerland), November 6<sup>th</sup>, 2017

**Main authors: Boris Bañas, Dr. Bernard Beitzke, Dr. Giuseppe Cannazza, Michael Carus, Hana Gabrielová, Farid Ghehioueche, Kerstin Iffland, Michael Krawitz, Daniel Kruse, Eberhard Pirich, M.D., Kenzi Riboulet Zemouli**

Download this paper and further documents at: [www.eiha.org](http://www.eiha.org)

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ISBN 979-10-97087-08-1 | EAN 979109708708

**Thank you Boris!**

## Activities on CBD and WHO (Boris)

**6 November 2017:** Today we wrote a history when hemp and cannabis movements joined their forces on the top decision-making level.

**Open Session of the 39th ECDD in Geneva  
6 November 2017**

**ECDD session  
4 June 2018, Geneva**

**Summer 2018, final WHO assessment on CBD**

**More details from Boris!**





# China Rediscovered Hemp

10 August 2017

## China Rediscovered Hemp

Hemp has attracted attention among China's scientific, political and industrial communities

China's Heilongjiang Province massively steps up its research and development efforts to make fine, environmentally friendly hemp fibres a large-scale alternative to cotton. Additionally, experts work on hemp foods and pharmaceuticals. Western companies are invited to participate in the hemp boom.



Although the cultural history of using hemp on an industrial scale can be traced back to China and the first ropes (2800 BC), papers and textiles (500 – 100 BC) ever made, hemp became sidelined a little over the past one hundred years. But that is a matter of the past now. In their search for alternatives to cotton, hemp has attracted attention among China's scientific, political and industrial communities. Cotton is increasingly causing environmental problems due to its enormous need for water, soil salinization and the use of pesticides. Neither the quality nor the price of Chinese cotton are very competitive. Last year, China

imported three million tons of cotton from the U.S., something that was unimaginable until very recently.

Given these developments, the Chinese province of Heilongjiang has decided to review the entire hemp production value chain and to produce hemp on a large industrial scale. Within only a few years, the area on which hemp is cultivated has grown from below 2,500 to more than 74,000 acres in Heilongjiang Province alone this year. This is a level of magnitude on par with the overall hemp cultivation area in Canada or Europe. If everything goes well, the area will total roughly 150,000 acres as early as next year.

In Harbin, the capital of Heilongjiang Province (located in Manchuria in the north-east of the People's Republic of China), the "2017 International Conference On Hemp Industry" ([www.hempalliance.org](http://www.hempalliance.org)) was held on 3 and 4 August 2017. With 300 delegates hailing from China itself as well as Australia, Europe and Canada, this was one of the largest conferences ever dedicated to hemp. The conference was supported by the local province government as well as the national Textile and Clothing Council. In their talks and the accompanying exhibition, scientists and industry representatives proudly presented their success stories to experts from all over the world.



## Booth at the Composites Europe Stuttgart, September 2017

Trade fair Stuttgart, Germany: 11,000 visitors & 440 exhibitors



Picture shows the EIHA booth at the Composites Europe 2017  
(picture nova-Institut)



# EIHA Booth at the **Biocomposites Conference Cologne (BCC, <http://biocompositescc.com>)**, Maternushaus, Cologne, **6-7 Dec. 2017**: Mark Reinders and Bernd Frank



**> 200  
participants  
from 22  
countries**

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## Venue & Accommodation

**Maternushaus**  
 Kardinal-Frings-Str. 1-3  
 50668 Köln (Cologne),  
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[Email](#)  
 Tel.: +49 221 / 16 31 - 0

## Organiser

nova-Institut GmbH  
 Dominik Vogt  
 Chemiepark  
 Knapsack  
 Industriestr. 300  
 50354 Huerth / Germany  
 Tel.: +49 (0) 2233-48-1449

Following the recent trends of the wood and natural fibre composites market we have changed the name of the conference from **7th Conference on Wood and Natural Fibre Composites** into

## Biocomposites Conference Cologne (BCC)

**6 - 7 December 2017, Maternushaus, Cologne**

**++ Press Release:** European biocomposite production reached 410,000 tonnes in 2017. Yearly growth rate is 3% – highest growth rate of 30% in new application fields **++ 185 participants already registered ++ programme online ++ already 23 booths booked - book your booth now!**



The Seventh Biocomposites Conference, Cologne builds on successful previous conferences: in 2015 more than 230 participants and 20 exhibitors were represented. It will be the largest conference on Biocomposites this year: 250 participants and 25 exhibitors mainly from industries are expected!

## Sponsor Innovation Award



## Conference Leaflet



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# Booth at the Bio-Based Materials Conference 2018, Cologne.

210 visitors & 20 exhibitors



(picture: nova-Institut)



# EIHA-Conference 2018!



## 15<sup>th</sup> International Conference of the European Industrial Hemp Association (EIHA)

12<sup>th</sup> – 13<sup>th</sup> June 2018, Maternushaus (Cologne, Germany)


 European Industrial Hemp Association



Sponsor Innovation Award

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## International Conference of the European Industrial Hemp Association

12 - 13 June 2018, Maternushaus, Cologne, Germany

**++ NEW:** The reintroduction of industrial hemp is in full swing worldwide ++ Nine products have been nominated to the Innovation Award! Programme online ++ **Almost 200** participants registered - more than 350 participants from 40 countries expected again ++ The EIHA Conference is established as the largest meeting of experts on industrial hemp in Europe and indeed worldwide! ++

Nine products have been nominated to the Innovation Award!



### INNOVATION AWARD Hemp Product of the Year 2018

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



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#### B | Hemp Cosmetics



#### C | Hemp Foods




 Business & Markets

### Conference Leaflet



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Nature wins!





## EIHA-Conference:

# Innovation Award “Hemp Product of the Year 2018”!

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For the first time, the Innovation Award "Hemp Product of the Year 2018" will be granted to the young, innovative industrial industry for finding suitable applications and markets for industrial hemp based products. The focus of the award is on new developments within these business areas. **Producers and inventors of innovative industrial hemp products are invited to hand in their application by end of March 2018.**

### Procedure

**First stage: From now by end of March 2018**