



1st
International Conference on
CELLULOSE FIBRES
11–12 February 2020, Cologne (Germany)

New International Conference on Cellulose Fibres,
the fastest growing fibre group in textiles, the largest
investment sector in the bio-based economy and the
solution for avoiding microplastics



Conference Journal

- New Technologies & Applications
- Cellulose Market – Status & Development
- Supply and Demand – Market Trends & Data
- Sustainability
- Strategies
- Policy Framework

Venue

Maternushaus
Kardinal-Frings-Str. 1–3
50668 Cologne, Germany
maternushaus.de

Organiser



nova-institute.eu

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RealTime Comments



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Network ID
nova-conference

Password
nova2020

Match Making

Every registered participant has received a link to the match making landing page to activate the match-making tool. After you have been logged in successfully you can directly arrange meetings with other participants of your choice.

- Meet decision makers of the Industry – 1-on-1
- Find new networking and business opportunities
- Arrange meeting place & time with ease
- Manage all your meetings in one simple user-friendly environment
- Get email alerts for meeting requests

You are not yet registered or you have questions about the match making tool? Svenja Geerken will help you:



Svenja Geerken
svenja.geerken@nova-institut.de

Your Conference Team



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Dear participants of the Conference and Exhibition,

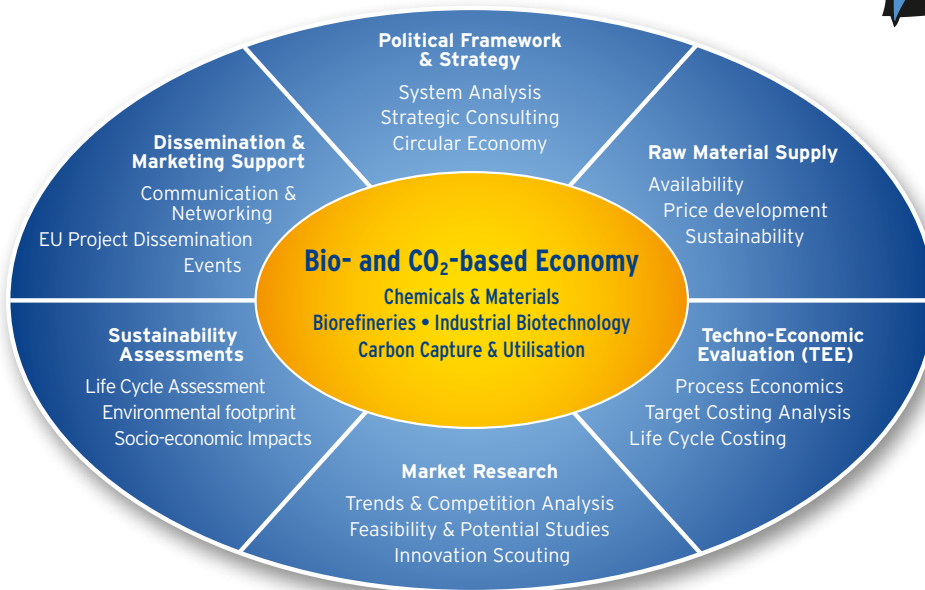
Welcome to the world's first conference devoted exclusively to cellulose fibers. In close cooperation with our sponsors and partners, we have managed to get practically all relevant players to Cologne ready for the first conference. Learn and discuss the latest market information, technologies and applications. A very important topic is sustainability, as cellulose fibers can score many points here. They have a low ecological footprint, leave no microparticles and consist of 100% renewable carbon. They provide important solutions for the future and are already available today in large and growing quantities. Alternative sources for cellulose can further improve sustainability.



Michael Carus
CEO

Be curious! We wish you a lively exchange, many inspirations and comprehensive networking. And have fun in the lively city of Cologne, which was founded by the Romans about 2060 years ago.

Your nova conference team



nova-Institute

nova-Institute is a private and independent research institute, founded in 1994; nova offers research and consultancy with a focus on bio-based and CO₂-based economy in the fields of food and feedstock, techno-economic evaluation, markets, sustainability, dissemination, B2B communication and policy. Every year, nova organises several large conferences on these topics; nova-Institute has more than 35 employees and an annual turnover of 3 million €.

nova-Institut GmbH

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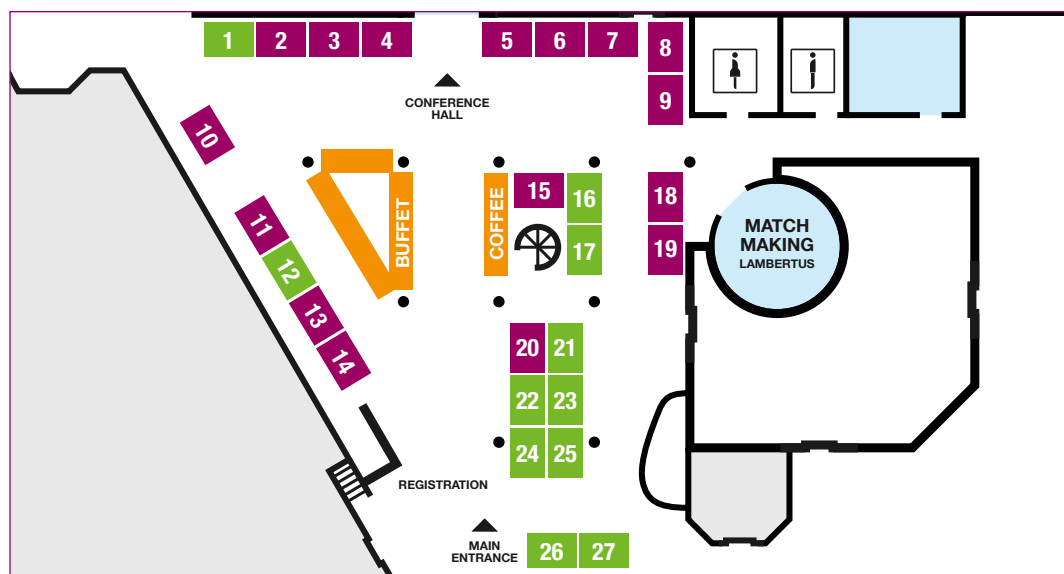
1st International Conference on CELLULOSE FIBRES

11–12 February 2020, Cologne (Germany)

Exhibition

www.cellulose-fibres.eu/exhibitors

Free Reserved for sponsors (Become a sponsor) Booked



List of Exhibitors

- | | |
|---|---------------------------------------|
| Booth 02 BT2i | Booth 10 smartpolymer |
| Booth 03 Stora Enso | Booth 11 Flocus |
| Booth 04 LEVACO Chemicals GmbH | Booth 13 Surface Measurement System |
| Booth 05 Lenzing | Booth 14 Bozzetto Group |
| Booth 06 nova-Institut GmbH | Booth 15 Austrian Fibers Institute |
| Booth 07 Sateri | Booth 18 Match Making |
| Booth 08 Media Table | Booth 19 Poster Exhibition |
| Booth 09 ITA – RWTH Aachen University | Booth 20 Canopy |

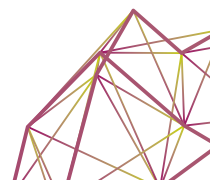
Status: 28 January 2020 – more exhibitors expected.
www.cellulose-fibres.eu/exhibition-booking



The poster session will be on lunch break of the second day with the possibility to present your poster at booth number 19 on the exhibition space.

Aalto University Development of high tenacity cellulose fibers | Athlone Institute of Technology Suitability of selected natural fibres for concrete performance improvement | LEVACO Chemicals GmbH Auxiliaries for viscose production | DITF (Deutsche Institute für Textil- und Faserforschung Denkendorf) HighPerCell – Development of high performance cellulosic fibers using IL-technology | DITF (Deutsche Institute für Textil- und Faserforschung Denkendorf) PURCELL – development of a recyclable, biodegradable all-cellulose composite | Institut für Textiltechnik der RWTH Aachen University Technical-scale Production of Cellulose Aerogel Fiber Non-wovens | Politecnico di Torino

ComBIOsites: Reversibly photocrosslinked BIO-based composites with barrier properties from industrial by-products | Thüringisches Institut für Textil- und Kunststoff-Forschung Rudolstadt e.V. Recycling of Lyocell process rejects using BMIM-OAc as solvent | University of Hasselt Microfibrillated cellulose as reinforcing fillers in elastomeric composites: control on degree of fibrillation | University of Hasselt Processing of (nano)celluloses in alternative solvents: opportunities and challenges | Université Bretagne Sud Hygroscopic properties of molded cellulose samples by comparing fiber sources | VTT Technical Research Centre of Finland Biocelsol – Sustainable continuous process for cellulosic regenerated fibres | Wageningen University and Research Natural Deep Eutectics as “green” cellulose co-solvent





Entrance Fee

Two days (11–12 February 2020)*	895 €* <hr/>
One day (1 st day, 11 February 2020)*	590 €* <hr/>
One day (2 nd day, 12 February 2020)	530 € <hr/>
Two days (11–12 February 2020) – Students	350 € <hr/>

* incl. dinner buffet

The conference will take place in the Maternussaal of the Maternushaus in Cologne (Germany).

Registration

www.cellulose-fibres.eu/registration

Venue

Maternushaus

Kardinal-Frings-Str. 1–3
50668 Köln (Cologne)
Germany

Phone: +49 (0)221 1631-0

Keyword: nova
frontoffice@maternushaus.de
www.maternushaus.de





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CELLULOSE FIBRES
11–12 February 2020, Cologne (Germany)

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PROGRAMME OF THE CONFERENCE
1st DAY, 11 FEBRUARY 2020

Markets & Policy



Chairperson
Josef Innerlohinger
Lenzing



10:00 **Michael Carus**
nova-Institut
Conference Opening



10:10 **Andreas Engelhardt**
The Fiber Year
Status and Outlook on Textile Fibre Markets



10:30 **Oliver Lansdell**
Hawkins Wright
The Outlook for Dissolving Pulp, Supply and Demand



10:50 **Nicole Rycroft**
Canopy
*Next Generations Solutions.
A Transition from Forest Feedstocks to Sustainable Alternatives*



11:10 **Jukka Kantola**
NC Partnering
Forests Industry Reaching out for the Textile Industry



11:30 **Michael Carus**
nova-Institut
*Cellulose Fibres in the Context of Renewable Carbon,
Circular Economy and Plastic Discussion*


11:50 **Discussion with all Speakers of the Session**

12:05 **Lunch Break**

PROGRAMME OF THE CONFERENCE
1st DAY, 11 FEBRUARY 2020

Sustainability & Circular Economy I



Chairperson
Heikki Hassi
Scitech Service 




13:35 **K. Christian Schuster**
Lenzing 
Ecological Aspects of Wood-Based (Regenerated) Cellulose Fibres



13:55 **Alessandro Pellegrini**
Bozzetto 
Recent Advances in Cellulose Auxiliaries: an Eye towards Sustainability



14:15 **Helena Claesson**
Södra Skogsägarna Ekonomisk Förening 
OnceMore™, a new Way to make the Textile Industry Circular



14:35 **Roland Scholz**
Kelheim Fibres 
Viscose Fibres for Sustainability in Hygiene Applications

14:55 **Discussion with all Speakers of the Session**

15:10 **Coffee Break**

PROGRAMME OF THE CONFERENCE
1st DAY, 11 FEBRUARY 2020

Sustainability & Circular Economy II



Chairperson
Erik Pijlman
KNN Cellulose



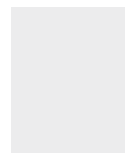
15:40 Claudia Kroll
meo Carbon Solutions/ISCC
*ISCCplus – Sustainability Certification of Cellulose Fibres
for the Textile Industry*



16:00 Simone Seisl
Textile Exchange
*What Can We Call a More Sustainable – or Preferred – MMCF;
From Feedstock to Garment?*



16:20 Maike Rabe
Hochschule Niederrhein/University of Applied Sciences
*Microplastic Shedding of Textiles – Definitions, Analytics and
Problem Solving Approach*



16:40 Dimitri Deheyn
Scripps Institution of Oceanography, UC San Diego
*On the Assessment of Environmental Biodegradability for
Cellulose-based Materials*

17:00 Discussion with all Speakers of the Session

17:15 Panel Discussion
“Innovating for Sustainable Lignocellulosic Feedstocks”
moderated by **Lara Dammer**, nova-Institut
• **Nicole Rycroft**, Canopy
• **Isabelle Montanus**, Esprit
• **Gundolf Klaehn**, GIZ Partnership for Sustainable Textiles
• **Patrik Lundström**, re:newcell

18:15 Beer on Tap


20:00 Dinner Buffet & Jazz Music

22:30 Traditional German Bowling

PROGRAMME OF THE CONFERENCE
2nd DAY, 12 FEBRUARY 2020

Alternative Feedstocks



Chairperson
Simone Seisl
Textile Exchange  



09:00 **Birgit Bonefeld**
Aarhus University 
*Cellulose Sources from Cascading Processes –
the Case of Green Protein Crop*



09:20 **Erik Pijlman**
KNN Cellulose 
Recell[®] Platform, Tertiary Cellulose for Circular Economy



09:40 **Frank Meister**
Thüringisches Institut für Textil- und Kunststoff-Forschung (TITK) 
Lyohemp – The first Hemp-based Lyocell Fibre for Apparel Application



10:00 **Petri Alava**
Infinited Fiber 
Turning Waste into New and Better Cotton



10:20 **Christian Weilach**
Lenzing 
*REFIBRA[™] Technology – Lenzings Contribution towards Closing
the Loops in the Textile Industry*

10:40 **Discussion with all Speakers of the Session**

10:55 **Coffee Break**

PROGRAMME OF THE CONFERENCE
2st DAY, 11 FEBRUARY 2020

New Technologies I



Chairperson
Michael Carus
nova-Institut



11:25 **Sascha Schriever and**
Baldur Otto
ITA – RWTH Aachen

Cellulose in Textile Technology – An Opportunity for the Bioeconomy?



11:45 **Anna Suurnäkki**
Metsä Fibre

From Wood-based Cellulose to Textile Fibres with a Novel Approach



12:05 **Esha Sharma**
Aditya Birla Science & Technology

*Understanding Interfacial Phenomena of Particle Interactions
with Viscose Polymeric Media During Manufacturing of Functional
Viscose Fibres*



12:25 **Ralf Nyhofen**
LEVACO Chemicals

Whats New in Viscose Fibre Finish Technology?


12:45 **Discussion with all Speakers of the Session**

13:00 **Lunch Break**

PROGRAMME OF THE CONFERENCE
2nd DAY, 12 FEBRUARY 2020

New Technologies II



Chairperson
Anna Suurnäkki
Metsä Fibre 



14:30 **Jacky Sun Jian**
Sateri 
Sustainable Viscose Value Chain – An EcoCosy Case Study




14:50 **Anne Michud and**
Jussi Piira
Stora Enso  
Developing Sustainable Textile Fibres through Innovation



Nanocellulose




Chairperson
Nina Graupner
HSB – City University of Applied Sciences Bremen 



15:10 **Mary Ankeny**
Cotton Incorporated 
*Processing and Property Evaluation of Nanocellulose
Extracted from Cotton Fabrics*



15:30 **Karl Håkansson**
RISE Research Institutes of Sweden 
Spinning Fibres with Nanocellulose

15:50 **Discussion with all Speakers of the Session**

16:05 **Coffee Break**



PROGRAMME OF THE CONFERENCE
2nd DAY, 12 FEBRUARY 2020

Biocomposites and other New Applications




Chairperson
Asta Partanen
nova-Institut 



16:35 **Stefan Möckel**
Papiertechnische Stiftung 
*Dialcohol Cellulose Fibres as Hydrophilic Cellulose Derivative
for the Introduction of Thermoplastic Features to Paper*



16:55 **André Lehmann**
Fraunhofer Institute for Applied Polymer Research IAP 
*Biogenic Fibre Reinforcement for Composites –
Application and Potential of Cellulose Man-made Fibres*



17:15 **Nina Graupner**
HSB – City University of Applied Sciences Bremen 
*Regenerated Cellulose Fibres: Properties, Pros and
Cons for Composite Applications*

17:35 **Discussion with all Speakers of the Session**

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Conference Highlights & Main Topics

- Policy & Innovation
- Renewable Carbon & Renewable Energy
- Carbon Capture & Electrolysis
- Hydrogen Production & Mineralisation
- CO₂ for Chemicals & Materials
- CO₂ for Chemicals & Fuels
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1st European Summit on CO₂-based Aviation Fuels

COLOGNE · GERMANY · 23 MARCH 2020



Newsticker on Carbon Capture and Utilisation!

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Venue

Maternushaus
Kardinal-Frings-Str. 1
50668 Cologne
www.maternushaus.de



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Organiser

nova-Institut GmbH
Chemiepark Knapsack
Industriestraße 300
50354 Hürth, Germany



Shaping the Biofuture

Value creation from wood



Energy/Fuels



Chemicals



Materials



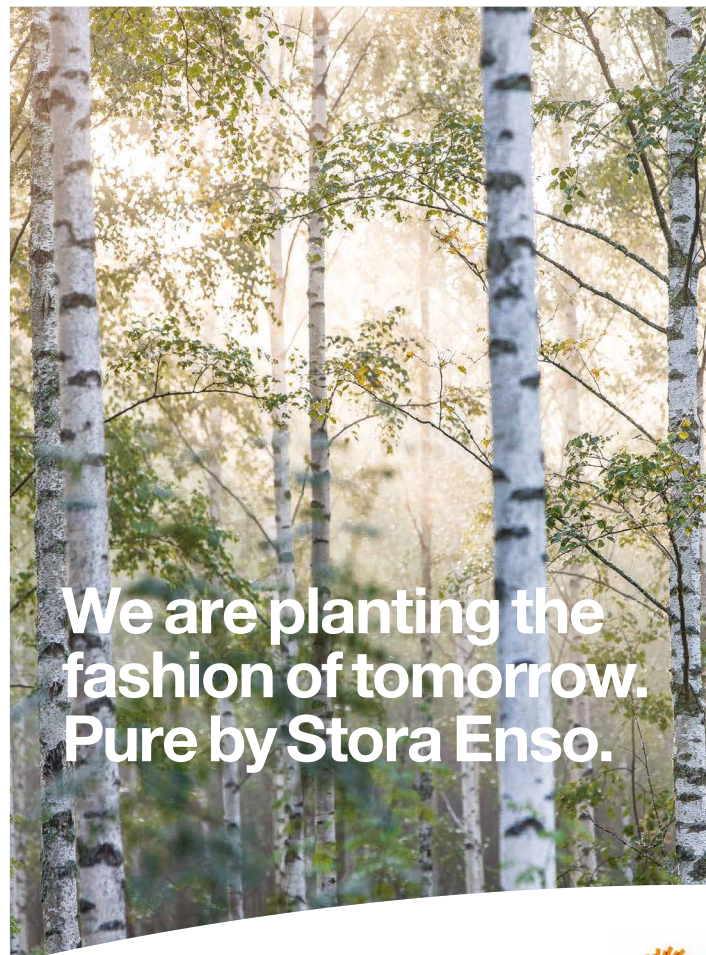
Construction

NC Partnering Ltd is a bioeconomy advisory company set up to utilize the collective skills and insights of a diverse team.



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14 Valuable Quotes: Conference on Cellulose Fibres

Aditya Birla Science & Technology

Esha Sharma 

“Bridging the gap in understanding interfacial interactions of additives with viscose solution and opening doors to develop innovative functional viscose fibres.”

Cotton Incorporated

Mary Ankeny 

“This study evaluates the feasibility of converting post-consumer cotton textile waste into a viable source of nano-cellulose.”

Fraunhofer-Institut für angewandte Polymerforschung IAP

André Lehmann 

“Utilizing potential of man-made cellulosic fibers for technical applications.”

LEVACO Chemicals

Ralf Nyhofen 

“Latest development in Levaco’s portfolio for Cellulosic fibres, particularly in new Nonowen Finishes, food contact approved Modifiers and micro-encapsulated substances to bring more value to cellulosic fibres.”

Papiertechnische Stiftung

Stefan Möckel 

“We have to accept the chemical structure of natural feedstocks, which has developed over millions of years and not to hold on to fossil based products we know since one century.”

Kelheim Fibres

Roland Scholz 

“Made from renewable cellulose, fully biodegradable and produced under strict German environmental standards, Kelheim’s Speciality Viscose Fibres Viloft® and Danufil® QR provide new opportunities in hygiene applications.”

KNN Cellulose

Erik Pijlman 

“Recell®, a circular and sustainable solution based on cellulose: good economics, no carbon emissions.”

Lenzing

Christian Schuster 

“Wood-based (regenerated) cellulose fibers can have a very favorable environmental footprint, provided that they are sourced from sustainable forestry, and state-of-the-art production processes are applied; moreover, they are biodegradable in all suitable environments and as such provide opportunities for applications in textiles and nonwovens, but also in packaging and other fields.”

Metsä Fibre

Anna Suurnäkki 

“In the presentation “From wood-based cellulose to textile fibres with a novel approach” a short overview of the Metsä Group’s work for development of the novel manufacturing process for staple fibre production is given.”

RISE Research Institutes of Sweden

Karl Hakansson 

“Spinning Nanocellulose Fibres – new starting material, new process and new properties.”

Sateri

Jacky Sun Jian 

“There are opportunities at every segment of the value chain to materialize sustainable viscose production. Collaboration is required from upstream to downstream.”

Södra Skogsägarna Ekonomisk förening

Helena Claesson 

“It’s time to wake up!”

Textile Exchange

Simone Seisl  

“Textile Exchange is ascertaining a priority of the fashion and textile sector to ensure manmade cellulosic fibers are sourced sustainably and responsibly. But challenges are still to be overcome in the forests, the mills for pulp and fibers, in transparency and circularity.”

Thüringisches Institut für Textil- und Kunststoff-Forschung

Frank Meister 

“Lyohemp®, what indicates apparel fabrics made of innovative hemp dissolving pulp offering ease of wear and superior moisture management.”



Fibre Solutions

with passion for your fibre

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