

About the Workshop

Companies and academic institutions present their latest materials and their application. These new solutions can be pieces of the puzzle for the defossilisation of the chemical process industry.

The bioeconomy clusters **BioBall**, **CLIB** and the **Rhine-Neckar metropolitan region** are organizing a pitching event at **ACHEMA 2024** on June 13, from 14 to 18 h.

In the aforementioned clusters, application-oriented solutions for the defossilisation of the process industry are developed and marketed by research institutes together with innovative SMEs.

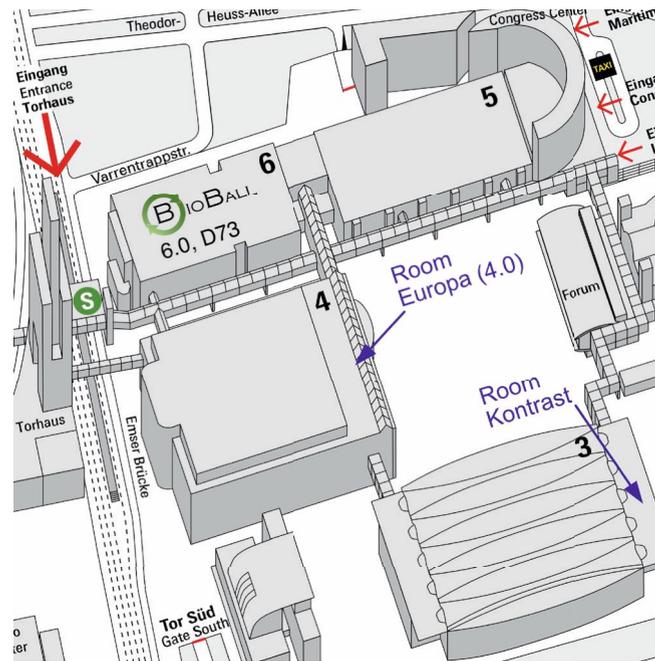
In three thematic sessions – namely **bioplastics**, **bio-based-chemicals**, and **bio-based construction materials** – the pitches will show novelties for future application. The technologies presented have been developed and/or tested in North Rhine-Westphalia, Hesse and Baden-Wuerttemberg. After each session, there will be space for networking and direct exchange with the speakers.

The event will take place within the **ACHEMA Congress**, at **Room Kontrast, Hall 3, Level Via Ost**. We will be happy to provide you with an **ACHEMA day ticket** free of charge.



Registration

How to get there



Organised by



Contact

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Innovative solutions for the defossilisation of chemical process industry

A bioeconomy workshop
ACHEMA, 13.6.2024, 14.00 – 18.00 h
Room Kontrast, Hall 3, Level Via Ost

Agenda

14.00 Opening

14.00 Welcome & Introduction
Jochen Michels, BioBall

14.15 Session I - Biopolymers Moderator: Dennis Herzberg, CLIB

14.15 **Make Bioplastics happen: Lactic Acid from non food feedstocks for commercially viable PLA**
Albrecht Läufer, BluCon Biotech

14.25 **Sugar Beet as a sustainable Source for fibre & bio-chemicals in packaging material**
Timo Koch, Pfeifer & Langen

14.35 **Creating a circular biobased supply chain for leather goods**
Melina Bucher

14.45 **CO2BioClean – Use your emissions for a new mission**
Fabiana Fantinel, CO2BioClean

14.55 **An innovative food packaging: Bio-based and home-compostable tea bag fabric**
Anna Sadzik, Albstadt-Sigmaringen University

15.05 Networking Break

15.20 Session II - Biobased Chemicals Moderator: Annette Hurst, MRN

15.20 **FlexMethanol: Conversion of industrial CO₂ sources into renewable methanol by standardized synthesis modules**
Johann Kirchner, BSE Methanol

15.30 **ICODOS – De-fossilizing chemistry and shipping via lowest cost e-methanol production**
Francisco Vidal Vázquez, Icodos

15.40 **Process integration and scale-up of a green waste biorefinery considering system robustness – GreenProScale**
Dirk Holtmann, Karlsruher Institut für Technologie

15.50 **Lignopure – Natural, multifunctional cosmetic ingredients based on lignin**
Wienke Reynolds, Lignopure

16.00 **The Better Peptide Platform – A green and scalable means to produce linear and cyclic peptides**
Christoph Kutzner, Badische Peptide & Proteine University

16.10 Networking Break

16.25 Session III - Biobased Construction Moderation: Jochen Michels, BioBall

16.25 **SITREN® Selfheal 455 for self-healing concrete**
Gabriel Mattos, Daniela Kruse, Anke Reinschmidt, Evonik Operations

16.35 **Decarbonisation of concrete with chemical admixtures**
Oliver Mazanec, Master Builders

16.45 **BIOTECS: Thermophysical analysis of mineral foams with integrated phase change materials**
Eddie Koenders, TU Darmstadt

16.55 **Sustainable load-bearing and insulating building material made from cattail (Typha)**
Martin Krus, Fraunhofer IBP

17.05 **Fungi Future Economics, FUFUECO**
Sabine Krieg, Liliya Pullmann, Achim Weber, Fraunhofer IGB

17.15 **PYROCEM: Reactivity of ashes from biological waste substrates**
Maximilian Mayer, TU Darmstadt

17.25 Networking