Related Workshops

Day 1

Berend Breman & Patrick Kohl • Peterson Solutions (DE) • From Compliance to Market Access: Certification for Renewable Materials 101

Day 2

Asta Partanen, Verena Roberts, Anke Schwarzenberger & Christopher vom Berg
Renewable Carbon Initiative (EU)
Raising Awareness of Renewable Carbon – Global Developments and Communication Strategy

Sarah Refai, Peter Stoffels • CLIB – Cluster Industrial Biotechnology (DE) • How to turn Lignin Valorisation into Success

Day 3

Michael Carus, Narendar Poranki and Olaf Porc
Renewable Carbon Initiative (RCI)
Carbon Flows Update 2026, Compilation of Supply and Demand of Fossil and Renewable Carbon for the Chemicals and Derived Materials on a Global and European level

Guillermo A. Reyes Torres • VTT (FI)
CO_2 Mineralisation as a Cross-sector Platform Chemistry: Functional Coatings, Carbon-storing Construction Materials, and Industrial Side-stream Valorisation

Chiara Bearzotti • European Bioplastics (DE)
Rethink the Circularity of Your Products! From Biodegradability to Recyclability: Innovators Prove You Can Have Both.

Overview Program

Day 1 • 22 September 2026

- Defossilisation of the Chemical Industry
- Fine and Specialty Chemicals – New Pathways
- Lignin Utilisation
- CO_2 Utilisation

Day 2 • 23 September 2026

- Fossil-free Plastics
- Bio-based, CO_2-based & Recycling
- Automotive, Consumer Goods, Packaging, Textiles & Toys

Day 3 • 24 September 2026

- Setting the Frame for Renewable Carbon
- Biodegradation

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RENEWABLE MATERIALS CONFERENCE 2026

22–24 September • Siegburg/Cologne

Day 1
22 September 2026

Defossilisation of the Chemical Industry

Defossilisation of the Chemical Industry

Lars Börger • nova-Institute (DE)
Future of Renewable Chemistry

Dorothée Arns • FECC (BE)
The Chemical Value Chain in Europe – Today and Tomorrow

Doris De Guzman • Green D Market Analytics (US)
Renewable Chemicals Market Update: Geopolitics, Protectionism, and Supply-Chain Realignment

Shena Britzen • Rheinmetall (DE)
How Giga PtX will Scale Hydrogen from Champagne to Commodity

Ann Zhang • Carbon Strategy (CN)
Chemical Industrial Park's Transition under The China's 15th Five-Year Plan – A Case Study

Gabriela Fedor • Neste (FI)
Under Pressure — Scaling Circular and Renewable Carbon for the Chemical Industry

Michael Carus • nova-Institute (DE)
& Peter Leonhardt • Cargill (DE)
Primary Biomass for Chemistry & Key Enabler of Europe's Circular Bioeconomy Through Integrated Biorefineries

Jerry Luo • Leaf Bio (CN)
Next-Gen Aromatics: Furan as a Bio-Based Platform

Petri Mast • ETB Global BV (NL)
Resilient and Renewable Industrial Technology for C4-Production: Bioethanol to Bio-Butadiene

Andreas Kohl • Verbio (DE)
New Plant Oil Based Value Chains Enabled by Metathesis: The First-Of-Its-Kind Ethenolysis Plant and Outlook on What is Next

Jörn Kiwitt • Evonik (DE)
Building Resilience in the Chemical Industry – The Rheticus® Process and Renewable Carbon

Marilyne Hurtado • Michelin Engineered Polymers (FR) • New Bio-based and Non-Toxic Building-Block Molecules Available at Industrial Scale

Jean-Paul Lange • University of Twente (NL)
Cellulosic Ethylene Glycol – Economic Potential, Contaminants and Process Concepts

Martin Lindmeyer • YNCORIS (DE)
& Jörn Viell • RWTH Aachen (DE)
DeMoBio – Decentralized Modular Biorefinery-Container: Decentralized Pretreatment of Lignocellulosic Residues – Process Concepts & Techno-Economic Assessment

Fine and Specialty Chemicals – New Pathways

Natnael Behabtu • IFF (US)
Designed Enzymatic Biomaterials™ (DEB) a Versatile Technology Capable of Providing Functional Performance Coupled with Advanced Renewable Carbon

Tanja Meyer • Bio Base Europe Pilot Plant (BE)
Transforming Organic Waste into Bio-based Succinic Acid

Christoph Wittman • Saarland University (DE)
From Biomass to Materials: Unlocking Renewable Carbon through Microbial Platform Engineering

Lignin Utilisation

Florian Diehl • UPM Biochemicals (DE/FI)
UPM's Lignin-based Materials: Driving Innovation and Sustainability

Justine Charmillot • Bloom Biorenewables (CH)
Preserving Nature's Chemistry to Enable High-Performance Renewable Materials

Balaji Sridharan • VITO (BE)
Reductive Lignin Depolymerization: A Carbon Efficient Pathway towards Biomaterials and Green Chemicals

Sari Rautiainen • VTT (FI)
Higher Value from Lignins by Tuneable Depolymerisation

CO_2 Utilisation

Sarah Lamaison • Dioxycle (FR)
From Lab Breakthrough to Commercial Deployment: Turning Carbon Emissions into Critical Chemicals

Balázs M. Hepp • eChemicles (HU)
An Industrial Use-case for Low-temperature CO_2 Electrolysis: CO_2 Utilization in Iron & Steel Refining

Valtteri Oksanen • VTT Technical Research Centre of Finland (FI) • Production of Succinic and Adipic Acids from CO_2 and Ethylene via Electrochemical Carboxylation

Panel Discussion

Quadruple System Shock as Catalysts for Industrial Transformation

Marc Borghans • ING (NL)

Lars Börger • nova-Institute (DE)

Shena Britzen • Rheinmetall (DE)

Janine van Kampen • Ministry of Economic Affairs and Climate (NL)

Ivana Krkljus • BASF (DE)

Jean-Paul Lange • University of Twente (NL)

Volker Strauss • UBA (DE)

Joel Tickner • Change Chemistry (US)