



Defossilisation of the Chemical Industry

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Future of Renewable Chemistry

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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

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Resilient and Renewable Industrial Technology for C₄-Production: Bioethanol to Bio-Butadiene

Andreas Kohl • [Verbio \(DE\)](#)

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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

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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

CO₂ 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 CO₂ Electrolysis: CO₂ Utilization in Iron & Steel Refining

Valtteri Oksanen • [VTT Technical Research Centre of Finland \(FI\)](#) • Production of Succinic and Adipic

Acids from CO₂ and Ethylene via Electrochemical Carboxylation

Panel Discussion

Quadruple System Shock as Catalysts for Industrial Transformation

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