Related Workshops

Day 1

Matthias Stratmann & Ángel Puente • nova-Institute (DE) • Getting LCA Right for Renewable Carbon: Methodology Challenges in Recycling and CCU

Day 2

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

Day 3

Hans-Peter Heim • University of Kassel (DE)
BeBio2: Durability of Bioplastics for Use in Technical Plastic Products – Overview and Discussion

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

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

Full Program
Exhibition
Registration
renewable-materials.eu

Organiser

Award Sponsor

Platin Sponsor

Gold Sponsors

Silver Sponsors

RENEWABLE MATERIALS CONFERENCE 2026

22–24 September • Siegburg/Cologne

Day 2
23 September 2026

Fossil-free Plastics

Bio-based Polymers – Markets, Applications and Innovation

Michael Carus • nova-Institute (DE)
Renewable Polymers: Status and Outlook

Martin Clemesha • Braskem Netherlands (NL)
Bio-based Polyethyelene Success Story: History, Status and Outlook

Geoffroy Delvinquier • Futerro (BE)
PLA Success Story: History, Status and Outlook

Roland Klein • Fraunhofer LBF (DE)
From Compostable to Capable: Tailoring Bio-based Polyesters via Additivation

Michaël van der Jagt • polySCOUT (NL)
Advancing Fossil-Free Polymers Through AI-Powered Polymer Development

Stefaan De Wildeman • B4Plastics (BE)
Swap or Scrap – Making Europe's New Biopolymers in its Existing Assets

Paul Stockmann • Fraunhofer IGB (DE)
Caramides – Monoterpene-based Polyamides Scaled for Fibres, Foams, and Cast Polyamides

Marcus Elmer • Lixea Sweden (SE)
High Performing Fibres from Annual Crops Through Ionic Liquid Fractionation

Pramod Shankar Kumbhar • Praj Matrix-R&D Center (IN) • From HA (Hyaluronic acid) to PHA (Polyhydroxy alkanoate)

Jouni Lattu • VTT (FI)
Novel PGA Barrier Polymer

Kazumitsu Suzuki • AC Biode (AT)
Biogenic and Biodegradable Superabsorbent Polymers

Adhesives & Binders

Michael Wilhelm • Henkel (DE)
Fuelled by Data, Driven by Markets – Henkel Adhesive Technologies' Renewable Carbon Pathway

Sanjay Wahal • Decarbonization (US)
Mycelium-Based Binders and Packaging Materials: High-Performance, Circular Alternatives for Hygiene and Spill-Control Applications

CO_2-based Polymers

Nick Smith • Viridi (UK)
New CO_2-to-Polymers Catalysts Made for the Industry We Have Today

Sergio Santos • TECNALIA Research & Innovation (ES)
Plastics Sustainability: Synthesis of CO_2- and Bio-based Polycarbonates and Polyurethanes

Bio-based Coating

Thomas Lueder • Beckers Group (DE)
How to Create a Pull for Renewable Coatings in the Construction Industry?

Tim Kidd • Stahl (NL)
Beyond the Surface: How Coatings Can Enable the Transition to Renewable Carbon

Sarvesh Poddar • Sustanix Materialtech (NL)
100% Solid Bio-Coating System to Replace Water/Solvent Based PFAS & Acrylate Systems

Recycled Polymers & Plastics

Delphine Largeteau • Schneider Electric (FR)
Open, Software-defined Automation as a Catalyst for the Sustainable Carbon Industry

Oliver Borek • Entzimatiko (ES)
Converting Polyolefins into Monomeric Building Blocks Using Enzymatic Machinery

Andreas Sommerfeldt • Danish Technological Institute (DK) • From RePURpose to PURfection: Danish Innovation Towards a Fully Circular Economy for Polyurethane

Ulphard Thoden van Velzen • Wageningen University & Research (NL) • Mechanical Recycling of PLA Based Food Packaging

Innovation Award

Michael Carus • nova-Institute (DE)
Innovation Award Introduction

Arthur Groh • KUORI (CH)
A RMC Success Story – Biobased and Biodegradable Elastomers for Abrasion-Critical Applications

Christoph Gürtler • Covestro (DE)
Importance of Innovation

Carmen Danner • AeoniQ Holding (CH)
Revolutionary New Cellulosic Man-made Filament Yarn

Fanny Liao • Far Eastern New Century (TW)
World's First Commercially Realised CO_2-based Non-Isocyanate Polyurethane

Akshaykumar Kompa • Inst. for Bioengineering of Catalonia (ES)
First Biomaterial Chitin Becomes Stronger in Water

Oskari Larkimo • Kemira (FI)
Breakthrough Renewable Polymer Technology for Wastewater Treatment

Vishal Patil • UPM Biochemicals (DE/FI)
World's First Bio-based Circular Renewable Black™

Nick Smith • Viridi (UK)
World's First Anionic Surfactant Made Using Upcycled CO_2