

Workshops

Day 2

Michael Carus • RCI/nova-Institute (DE)
Biomass Availability

Stefanie Fulda • nova-Institute (DE)
Communication

Miriam Weber & Christian Lott • HYDRA Marine Sciences (DE) & Andreas Künkel • BASF (DE)
What can we learn from Renewables for the Role of Biodegradable Materials in a Circular Economy?

Related Workshops at Day 3

Jan-Harm Urbanus & Paul Könst • TNO (NL)
AI for Polymers

Matthias Stratmann • nova-Institute (DE)
Renewable Carbon in LCA and Carbon Footprint Guidelines

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Overview Program

Day 1 • 22 September 2025

- Defossilisation of the Chemical Industry (Biorefineries / CCU / Chemical Recycling)
- Fine Chemicals
- Lignocellulosic Biorefineries and Lignin Utilisation

Day 2 • 23 September 2025

- Fossil-free Plastics

Day 3 • 24 September 2025

- Setting the Frame for Renewable Carbon
- Biodegradation



22-24 September • Siegburg/Cologne

Day 2
23 September 2025

Fossil-free Plastics

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Grand Hall

Markets and Applications, Bio-based Polymers

Pia Skoczinski & Pauline Ruiz • **nova-Institute (DE)**

Renewable Polymers from Biomass, CO₂ and Recycling
– Status and Outlook

Julia Resch • **IKT University Stuttgart (DE)**

Bio-based Plastics in Technical and Long-Term Applications

Ed de Jong • **Avantium (NL)**

PEF, a Next Generation Packaging Material

Susan Zhu • **Zhongke Guosheng (Hangzhou) Technology (CN)**

Sustainable Furan Bio-based Materials

Stefano Facco • **Novamont (IT)**

Renewable Monomers and Polymers, New Coating Technologies

Joris Vermunt • **Corbion (NL)**

Lactic Acid Solutions for a More Sustainable Future

Geoffroy Delvinquier • **Futerra (BE)**

Alternatives to Fossil-based Chemistry and Plastics:
The Potential of Lactic-acid-based Chemicals and Polymers
such as Polylactic Acid (PLA) for Sustainability, Circularity,
and Innovative Applications

Bio-based and -attributed Polymers

Dirk Hölter • **Cerdia (CH)**

Cellulose Acetate – How a Material Predating Modern
Polymer Chemistry Provides Solutions for Today

Nicko Reuter • **UPM Biochemicals (DE)**

Revolutionizing Packaging with UPM BioPET

Stephan Roest • **Borealis (AT)**

Borealis A/B/C Approach to Carbon Circularity for Plastics

Frank Eisenträger • **Ineos Styrolution Switzerland (CH)**

Making Bio-Attributed Styrenics a Reality:
INEOS Styrolution's Path to Renewable Carbon and
Net Zero

Innovation Award

Small Hall

Sustainable Polymers

Alexander Hofmann • **Fraunhofer Institut UMSICHT (DE)**

InnoKuR – A Path to Climate-friendly Plastics by
Replacing Fossil Raw Materials

Jan Harm Urbanus • **TNO (NL)**

This is how Polymer Informatics can Help in Designing
Novel Safe-and-Sustainable Polymers

Claudia Coelho • **Technip Energies (FR)**

The Path to Sustainable and Affordable Plastics

Andrew Richardson • **Johnson Matthey (UK)**

Sustainable Aromatics for Drop-in Bio-based Packaging,
Fibres and Films

CO₂-based Polymers

Alex Hogan • **Vioneo (CH)**

Pioneering Fossil Free Plastics

Tony Rehn • **NG Nordic (FI)**

Carbon2x – The Next Generation of Biodegradable
Plastics from CO₂

Keith Wiggins • **Econic Technologies (UK)**

Repurposing CO₂: Polymers, Surfactants and Beyond

Recycled Polymers

N.N. • **AXELERA (FR)**

WhiteCycle: An Innovative European Project to Process
and Recycle PET from Complex Waste

Gian De Belder • **Procter & Gamble (BE)**

Industry Partnerships for Solvent-based Cleaning
Technologies for Polyolefin Recycling

Jean-Paul Lange • **University of Twente (NL)**

PU Depolymerization with Phosgene-free Recovery
of Diisocyanate

Eric Brouwer • **Cargill (NL)**

Novel Recycled Based Polyols, Raising the Bar for
more Demanding Polyurethanes Adhesives