Workshops

Related Workshops at Day 1

14:30–16:00 Timo Ture & Markku Nikkila • Syklo (FI) From Waste to Wonders

at Day 3

9:20-10:50

Jan-Harm Urbanus & Pieter Imhof • TNO (NL) Application of AI for Polymer Design

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

Further Workshops at Day 2

9:20–10:50 Kai Junge Puring • Fraunhofer Institut UMSICHT (DE) Air2Chem: Chemicals from Air

11:20-12:50

Stefanie Fulda & Dušica Banduka nova-Institute (DE) Effective Communication Strategies for Renewable Chemicals and Materials

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

14:10-15:40

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?

Kim Schoppink • Science Based Targets Initiative (EU) Refining the Path to Net Zero with SBTi

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



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Day 2 23 September 2025

Fossil-free Plastics



Grand Hall

9:00-12:40 Markets and Applications, Biobased 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 • Futerro (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

14:10–15:50 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

Small Hall

9:00-10:50 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

11:20–12:40 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

14:10-15:50 Recycled Polymers

Iris Elser • DITF (DE) 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

Karin van der Helm-Rademaker • Cargill (NL) Novel Recycled Based Polyols, Raising the Bar for more Demanding Polyurethanes Adhesives

Innovation Award

16:20–18:00, Grand Hall

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

Christoph Gürtler • Covestro (DE) Importance of Innovation

Justine Charmillot • Bloom Biorenewables (CH) The First Ever White Lignin

Ross Ellis • Borregaard (NO) Innovative Platform Technology Bright for Renewable Lignin-based Biopolymers

Maike Lambarth • Cyclize (DE) Mixed Waste and CO₂ as Feedstock to Produce Syngas

Oliver Shafaat • Sci-Lume Labs (US) Bylon – a Scalable, Circular, Biosynthetic Polyamide

Sarvesh Poddar • Sustanix Materialtech (NL) Replacing PFAS & Plastics in Paper Packaging

Pascal Lakeman • Trinseo (IT) Next Generation Recycled Content-Containing Acrylic Solutions