

# Overview Program

## Day 1 • 22 September 2026

- Defossilisation of the Chemical Industry
- Fine and Specialty Chemicals
  - New Pathways
- Lignin Utilisation
- CO<sub>2</sub> Utilisation

## Day 2 • 23 September 2026

- Fossil-free Plastics
- Bio-based, CO<sub>2</sub>-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](https://renewable-materials.eu)



22–24 September • Siegburg/Cologne

## Day 3

24 September 2026

# Biodegradation

Organiser



Award  
Sponsor



Platin  
Sponsor



Gold Sponsors



Silver Sponsors



# Science & Policy Progress

**Theodora Nikolapoulou • European Commission (EU)**  
Biodegradability in EU Products Legislation: Case Studies of Fertilising Products and Detergents

**Florian Matzka • bündnis Mikroplastikfrei & VÖA (AT)**  
Disposal – Overall Picture

**Michael Sander • ETH Zürich (CH)**  
From Fundamentals to Function: Scientific Insights into Polymer Biodegradation

**Jessica Mugleston • BASF (DE)**  
Digital Tools for Biodegradation

## Applications

**John Ryan • Sinclair Industries (UK)**  
Biodegradable Adhesives for Fruit Stickers

**Julie Capsalas • LACTIPS (FR)**  
Enosis® by Lactips: Leveraging Biodegradability to Deliver High-Performance Bio-based Materials for Plastics Applications

**Ryan Simkovsky • Algenesis Labs (US)**  
Biodegradation of Thermoplastic Polyester Polyurethanes Produces Microplastic-free, Plant-enhancing Compost Under Home Composting Conditions

## System Solutions

**Patrizia Marie Schmidt • BASF (DE)**  
Fragmentation of Soil-Biodegradable Mulch Film: The Difference Between Fragments Released from Certified Soil-biodegradable Products and Persistent Microplastics

**Christian Lott • HYDRA Marine Sciences (DE)**  
Reducing Agriculture's Plastic Footprint: The Role of Biodegradable Plastics

**Clayton Bungard • Kimberly-Clark (US)**  
Building the Case for Biodegradable Hygiene Products

**Rick Passenier • NGF Biobased Circular (NL)**  
A Practice-driven Biodegradation Innovation Cluster for Biopolyesters and Renewable Materials

## Related Workshops

### Day 1

**Yvonne van der Meer, Seunghye Lee & Alonso Albalade Ramirez • Utrecht University (NL)**  
Advancing LCA: Circularity of Bio-based Materials and the Microplastics Challenge

### Day 2

**Pauline Ruiz & Asta Partanen • nova-Institute (DE), Miriam Weber & Christian Lott • HYDRA Marine Sciences (DE)** • Rethinking Plastics in Agriculture and Forestry: The Role of Biodegradable Materials

**Andreas Künkel & Patrizia Marie Schmidt • BASF (DE), Miriam Weber & Christian Lott • HYDRA Marine Sciences (DE)** • Quantitative Assessment of Biodegradable Materials in LCIA: Challenges and Solutions

### Day 3

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