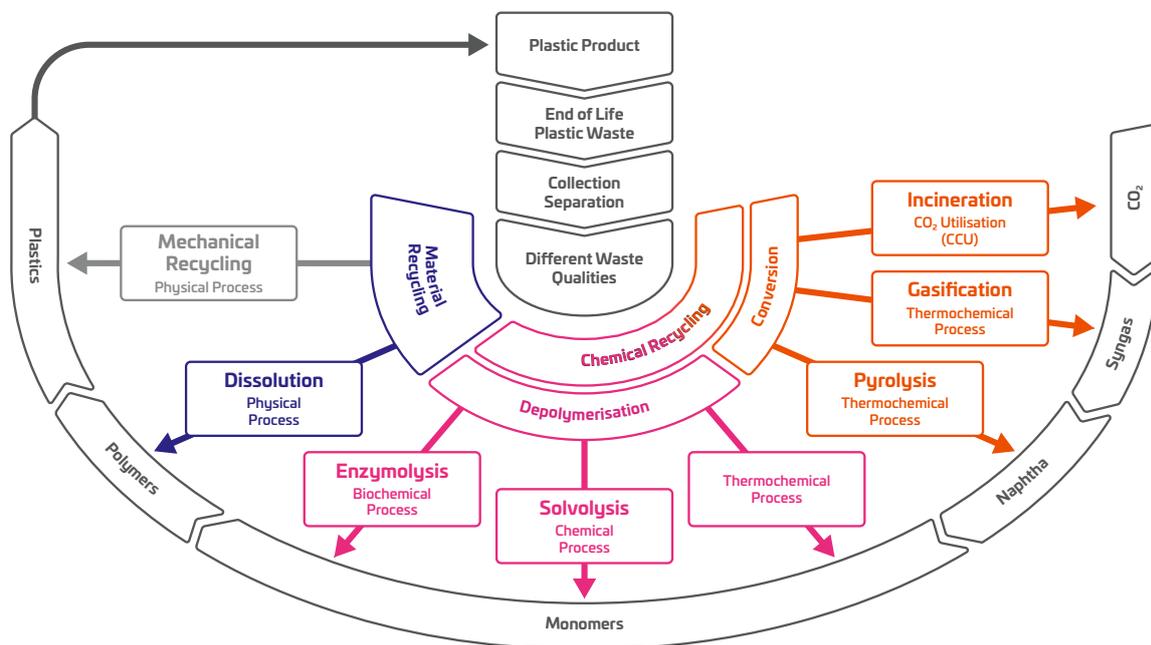


Diversity of Advanced Recycling of Plastic Waste

All you want to know about advanced recycling technologies and renewable chemicals, building blocks, monomers, and polymers based on recycling



CHALLENGES

- Large share of non-recycled waste streams
- High demand and search for renewable raw materials for chemicals and materials
- Ambitious EU recycling targets
- Commitments from chemical industry and brand owners
- Customer demands

LEADS TO

Advanced recycling technologies are developing at a rapid pace, new players are constantly entering the market, from start-ups to giants – new plants are being built or scaled up, new capacities are being achieved, new partnerships are being formed.

SOLUTION

The Advanced Recycling Conference – a new home for technology providers, related industries, waste management companies, brands and investors, policy makers and scientists. An overview and in-depth insight into all available recycling technologies for various streams of different plastic waste, as well as policy issues and environmental impacts.

Sponsor



advanced-recycling.eu

Day 1

28 November 2023

Policy, Markets, and Strategy

Michael Carus

nova-Institute (DE)

Importance of Advanced Recycling for the Renewable Carbon Economy

Lars Krause

nova-Institute (DE)

Advanced Recycling Overview and Worldwide Capacities

Lara Dammer

nova-Institute (DE)

From Mass Balance to End-of-Waste Criteria: What's New in Policy for Advanced Recycling

Luis Hoffmann

Sulzer Chemtech (CH)

How Collaboration Enables Circular Plastics

Dimitri Daniels

Der Grüne Punkt (DE)

Mechanical and Chemical Recycling to Achieve Circularity of Plastic Packaging

Pyrolysis

Carlos Monreal

Plastic Energy (UK)

Supporting a Circular Economy for Plastic Waste Through Chemical Recycling

David Sudolsky

Anellotech (US)

Recycled BTX Made From Mixed Waste Plastics via Plas-TCat® Process

Oliver Borek

Mura Technology (UK)

Mura Technology: Key Advantages of Hydrothermal Liquefaction

Christian Haupts

Carboliq (DE)

A Roadmap Towards TRL 9 in Chemical Recycling – The Knapsack 10 kta Plan(t)

Valentijn de Neve

BlueAlp (NL)

BlueAlp – Accelerating Plastic Recycling

Dissolution

Abidin Balan

Trinseo (NL)

Dissolution Technology: An Approach for Infinite Circularity

Matthias Wilhelm

Lober (DE)

Dissolution Recycling as a Solution for a Multilayered Problem

Florian Riedl

APK (DE)

High-Quality Recyclates from Post-Consumer Flexible Packaging Waste via the Solvent-Based Newcycling Technology

Panzheng Zhou

University of Wisconsin-Madison (US)

Computational Modeling of Dissolution-based Plastic Recycling: Solubility Prediction, Solvent Screening, and Process Design

Versatility of Extruders (Pre-treatment and Reactive Extrusion) & Advanced Mechanical Recycling (No Online Transmission)

Klaus Lederer

EREMA Group (AT)

Advanced Input Stream Preparation Technologies for Chemical Recyclers

Belén Monje

AIMPLAS (ES)

Reactive Extrusion Potential in Recycling and Repolymerization

Frank Eisenträger

INEOS Styrolution (CH)

Advanced Mechanical Recycling of Polystyrene

Lars Biermann

Krauss Maffei Extrusion (DE)

Closing the Material Loop of Polyethylene Terephthalate Through Chemical Recycling Technologies

Day 2

29 November 2023

Depolymerisation

Fabio Silvestri

gr3n (CH)

We MADE it! Towards Tangible Changes in the Plastic Industry

Vladislav Jaso

TotalEnergies Corbion (NL)

Advanced Recycling of Luminy Poly Lactic Acid (PLA)

Cecilia Mattsson

RISE Research Institutes of Sweden (SE)

DeToxoLys – Detoxification and Recycling of Contaminated Plastic Waste Streams with Hydrothermal Liquefaction (HTL)/Solvolysis

Stefan Schonauer

RWTH Aachen University (DE)

Enzymatic Recycling of Textiles

Gasification

(No Online Transmission)

Freya Burton

LanzaTech (UK)

Enabling a Circular Economy: Low Carbon Fuel and Chemical Production from Waste

Stephan Renninger

Cyclize (DE)

Zero Emission Waste Reforming to Enable a Circular Carbon Economy in Europe

Cecilia Hofmann

Re:Lab (FR)

Gasification and Pyrolysis of Plastic Waste Under a Circular Economy Perspective: A Literature Review

Pre-/Post-treatment & Upgrading

Tobias Rieger

Fraunhofer UMSICHT (DE)

Application of a Novel and Cheap Post-Reforming Agent to Produce High-Quality Aromatic Bulk Chemicals from MSPW Pyrolysis Oils and Dehalogenation Thereof

Trine Dabros

TOPSOE (DK)

Hydrotreating of Plastic Pyrolysis Oil: How to Maximize the Learnings From the First Industrial Plant

Beate Dr. Kummer

Polysecure (DE)

New Sorting Technology for Fractions to Improve Advanced Recycling Output

LCA and Environmental Aspects

Matthias Stratmann

nova-Institute (DE)

Advanced Recycling in LCA - The Status Quo

Edzard Scholten

BASF (DE)

Environmental and Health Aspects of ChemCycling: A Measurement Program

Pyrolysis and Other Thermochemical Approaches

Frank Riedewald

Composite Recycling (IE)

Lower OPEX and CAPEX Waste Plastic Chemical Recycling Facilities with Molten Metals

Jasper Munier

Clariter (LU)

You Don't Need Mass Balance When You Make High-Value, High-Purity Petrochemicals From 100% Recycled Plastic Waste

Geoff Smith

Itero Technologies (UK)

Managing Waste Variability in a Pyrolysis Process

Marcus Trygstad

Aduro Clean Technologies (CA)

Advancing Chemical Recycling Through Chemical Thinking and Chemolysis

Sponsoring Options

As a sponsor of this forward-looking conference, you will be at the forefront of the transition to an advanced recycling industry for renewable materials and chemicals. Your company understands the challenges such as climate change, the substitution of fossil-based carbon feedstocks with renewable ones, as well as the new policy framework that is also an opportunity for new developments. By becoming a sponsor, you can actively support innovation, new technologies and products, as well as new strategies and visions.



Find more Information
advanced-recycling.eu/sponsoring

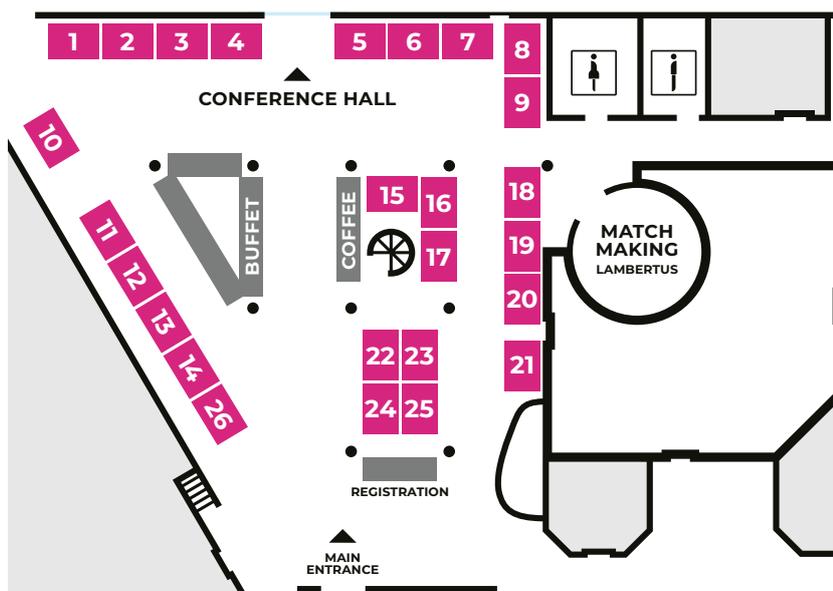
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Exhibition Information

Companies that would like to book an exhibition booth (6m²) can do so for the price of 1,400 EUR (excl. 19% VAT). Included in the booth fee is one full conference ticket. The exhibition is located prominently within the conference hall so the interaction with participants is guaranteed. For sponsors the exhibition booth is included into their sponsoring package.



Your stand booking consists of:

- One Table (1,40 m x 0,70 m), tablecloths and two chairs
- Pinboard (1,20 m width x 2 m height)
- Power Socket (240 V)

You are also welcome to make use of your own booth system.

For your exhibition stand booking or further questions, please contact

Guido Müller
+49 151 – 41 42 30 19 / guido.mueller@nova-institut.de



or visit
advanced-recycling.eu/exhibition-booking



Organiser



Contact

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dominik.vogt@nova-institut.de

Venue

Maternushaus
Kardinal-Frings-Str. 1–3
50668 Cologne, Germany