
nova-Institut GmbH (www.nova-institute.eu)

PRESS RELEASE

CO₂-based Fuels and Chemicals Conference 2025 – Call for Abstracts and Posters

Calling all innovators, researchers and pioneers in the field of Carbon Capture and Utilisation (CCU) to showcase their achievements. Call for Abstracts is now open.

Hürth, 12 August 2024: The **CO₂-based Fuels and Chemicals Conference** has successfully established itself as an international and unique meeting and networking ground for the entire Carbon Capture and Utilisation (CCU) and Power-to-X industry and its customers. The upcoming 13th edition of the conference will take place on 29–30 April 2025, Cologne, Germany as a hybrid event. Organiser nova-Institute expects over 250 leading international experts in the field of CCU, green hydrogen production and Power-to-X. Once more the event will showcase the latest innovations and most important developments in the fast-growing field of Carbon Capture and Utilisation with plenty of opportunities to network. Innovators and researchers are invited to present their latest advancements and submit their abstracts until 22 November 2024.

A milestone for the enforcement of CCU was reached on 28 June 2024 when the Council of the European Union and the European Parliament published the Net-Zero Industry Act (NZIA) in their Official Journal. The act finally acknowledges CO₂ utilisation as an eligible strategic net-zero technology, hereby providing an official reference and foundation to support and encourage the deployment of clean technology, such as CCU throughout Europe. With a current capacity of over 1.5 million tonnes for CO₂-based products and steadily growing demand, CCU technologies are helping to establish CO₂ as a renewable carbon feedstock, highlighting the urgency of investment and innovation in this field.

Main topics of the conference will focus on current developments. They include innovation, strategy and policy in CCU, carbon capture technologies, green hydrogen production, Power-to-X for fuels (transportation and aviation), CO₂-based chemicals, materials and polymers, mineralisation and electro- and photochemistry, as well as advanced research for CCU.

Further information on the conference is available at <https://co2-chemistry.eu>.

Call for Abstracts and Posters

Companies and institutes are welcome to present their latest products, technologies or developments. Abstracts can be uploaded at <http://co2-chemistry.eu/call-for-abstracts/>. Submission deadline for abstracts is 22 November 2024.

Posters can be submitted until 21 March 2025 at <http://co2-chemistry.eu/call-for-posters/>.

Call for Innovations

The innovation award “Best CO₂ Utilisation 2025” celebrates innovative products and technologies in the field of Carbon Capture and Carbon Utilisation. The nominees will be selected by a board of leading international experts. The winners will be elected in a live voting by a vast audience at one of the world’s premier and most prominent conferences on CCU and Power-to-X.

The submission deadline for innovations is 7 February 2025.

Innovations can be submitted via <https://co2-chemistry.eu/award-application/>.

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Responsible for the content under German press law (V. i. S. d. P.):

Dipl.-Phys. Michael Carus (Geschäftsführer)
nova-Institut für politische und ökologische Innovation GmbH

Leyboldstraße 16 Tel: +49 2233 460 14 00
50354 Hürth Fax +49 2233 460 14 01
Germany contact@nova-institut.de

nova-Institut GmbH has been working in the field of sustainability since the mid-1990s and focuses today primarily on the topic of renewable carbon cycles (recycling, bioeconomy and CO₂ utilisation/CCU).

As an independent research institute, **nova** supports in particular customers in chemical, plastics and materials industries with the transformation from fossil to renewable carbon from biomass, direct CO₂ utilisation and recycling.

Both in the accompanying research of international innovation projects and in individual, scientifically based management consulting, a multidisciplinary team of scientists at **nova** deals with the entire range of topics from renewable raw materials, technologies and markets, economics, political framework conditions, life cycle assessments and sustainability to communication, target groups and strategy development.

50 experts from various disciplines are working together on the defossilisation of the industry and for a climate neutral future. More information at: nova-institute.eu – renewable-carbon.eu

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