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PRESS RELEASE

CO_2-based Fuels and Chemicals Conference 2027 – Call for Abstracts Now Open

Leading international conference on CO_2 utilisation invites contributions on the latest advances in Carbon Capture and Utilisation (CCU), Power-to-X, and CO_2-based products and materials

Hürth, 07 July 2026: The call for abstracts is now open for the **CO_2-based Fuels and Chemicals Conference 2027**, taking place on 21–22 April 2027 in Cologne, Germany. This hybrid event consistently attracts over 200 international experts from industry, research, and policy, making it a unique meeting place for advancing Carbon Capture and Utilisation (CCU) and Power-to-X technologies. The conference provides a comprehensive overview of the latest developments in transforming CO_2 into fuels, chemicals, polymers, and other materials like e.g. alternative proteins, offering participants unparalleled insights into technological innovations, market trends, and evolving regulatory frameworks. It hereby serves as a crucial platform for knowledge exchange, networking and collaboration, supporting the acceleration of sustainable carbon solutions central to achieving a circular transition and successful transmission to renewable carbon.

Abstract submission is open until **16 November 2026** via https://co2-chemistry.eu/call-for-abstracts/.

Why submit an abstract?

By submitting an abstract, participants gain the opportunity to showcase their latest research, industrial applications, and technological breakthroughs to a specialised, influential audience. The conference enables direct engagement with decision-makers and thought leaders who shape the future of CCU, green hydrogen, Power-to-X fuels, and CO_2-based chemicals and materials. Presenters benefit from strategic discussions that foster collaborative partnerships, facilitate business development, and influence policy-making processes. Against the backdrop of the European Union's Net-Zero Industry Act, which recognises CO_2 utilisation as a strategic technology, this event is especially timely. With production of CO_2-based products exceeding 1.5 million tonnes annually and growing swiftly, the conference highlights the expanding scale and commercial relevance of the sector. Additionally, CO_2 as a feedstock also is seen as an important pillar for European resilience in fuel and chemicals production.

Call for posters

The conference also features a dedicated poster pitch session, offering researchers and EU-projects a valuable platform to present their latest findings in a concise, engaging format. This session encourages

direct interaction with peers, experts, and industry leaders, fostering exchange, feedback, and potential collaborations.

The call for posters is open until **04 April 2027** via https://co2-chemistry.eu/call-for-posters/.

Call for innovations

One event highlight is the innovation award "Best CO_2 Utilisation 2027". This award sponsored by Yncoris celebrates innovative products and technologies in the field of CCU. The nominees will be selected by a board of leading international experts, while the winners will be elected in a live voting by a vast audience. The innovation award is co-organised by the nova-Institute and CO_2 Value Europe.

Innovations can be submitted until **1 February 2027** via https://co2-chemistry.eu/award-application/.

Exhibition and sponsoring opportunities

The CO_2-based Fuels and Chemicals Conference 2027 will feature a dedicated trade exhibition, providing organisations with a prime opportunity to directly showcase their cutting-edge solutions, products, and services to a concentrated audience of key industry players, decision-makers, policy shapers, and peers. Exhibiting at the conference ensures firsthand engagement with stakeholders, fostering valuable business leads and facilitating strategic partnerships in a fast-expanding market. Bookings and individual arrangements can be made via http://www.co2-chemistry.eu/exhibition-booking.

Sponsorship packages offer tailored visibility options, from brand placement to thought leadership, maximizing the impact and the positioning of organizations as leader in circular and renewable carbon solutions. More information on sponsoring is available at https://co2-chemistry.eu/sponsoring/.

Further information in the CO_2-Based Fuels and Chemicals Conference is available at https://co2-chemistry.eu.

Find all nova press releases, images and more free-for-press material at https://nova-institute.eu/news/pr/

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

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Since the mid-1990s, the nova-Institute has been dedicated to sustainability and today focuses primarily on renewable carbon cycles. As an independent research institute, it supports companies – particularly from the chemical, plastics, and materials industries – in the use of renewable carbon derived from biomass, direct CO_2 utilisation (CCU), and recycling.

With a multidisciplinary team of scientists, the nova-Institute participates in international innovation projects and provides science-based management consulting. The institute follows a holistic approach: its experts analyse which technologies and raw materials are suitable for specific products,

in which markets their application is feasible, which regulatory frameworks apply, how sustainable the solutions are, and how they can be successfully positioned in the market.

Based on these analyses, the team develops tailored strategies to support the transformation from fossil to renewable carbon. Around 50 experts from various disciplines work together to drive the defossilisation of industry – for a climate-neutral future.

More information: **www.nova-institute.eu – www.renewable-carbon.eu**

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