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PRESS RELEASE

Capture, Convert, and Conquer: Innovations Wanted for the "Best CO_2 Utilisation 2025" Innovation Award

Innovators are invited to showcase breakthrough technologies at the upcoming CO_2-Based Fuels and Chemicals Conference 2025

Hürth, 18 November 2024: Innovators in the field of Carbon Capture and Utilisation (CCU) have the opportunity to showcase their latest advancements, technologies and products at the **CO_2-based Fuels and Chemicals Conference 2025**. The event celebrates pioneers in the field of CCU, that are capable transforming CO_2 from a greenhouse gas into a valuable feedstock for various industries. With applications ranging from CO_2 capture technologies to products as polymers, sustainable construction materials, textiles, and advanced synthetic fuels, as well as food supplements or even cosmetics and personal care products, CO_2 capture and utilisation is paving the way for innovative solutions that contribute to a circular carbon economy.

The innovation award "Best CO_2 Utilisation 2025" honours innovative products and technologies that highlight the practical and impactful use of CO_2. Participants can expect expert presentations, engaging discussions, and opportunities to connect with fellow innovators committed to advancing CCU technologies. The innovation award, sponsored by Yncoris and co-organised by CO_2 Value Europe, is one of the highlights of the CO_2-based Fuels and Chemicals Conference, scheduled for **29-30 April 2025** in Cologne, Germany, and online. Six nominees will be selected by an expert jury beforehand, with winners chosen by the audience during the award ceremony on 29 April 2025. The deadline for applications is **7 February 2025**.

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

Abstracts can still be submitted until 22 November 2024 via https://co2-chemistry.eu/call-for-abstracts/.

Registration and further information on the conference are available at https://co2-chemistry.eu.

Growing importance of CCU in global policy

Carbon Capture and Utilisation (CCU) has become a key component in the renewable carbon economy, alongside biomass utilisation and recycling. With a current capacity of over 1.5 million tonnes for CO_2-based products and steadily growing demand, CCU technologies are helping to establish CO_2 as a renewable carbon feedstock, highlighting the urgency of investment and innovation in this field. Recent policy developments have further underscored the significance of CCU in addressing climate change.

In the European Union, the ReFuelEU Aviation proposal mandates an increase in synthetic aviation fuels, starting with a 0.7 % blend in 2030 and reaching 28 % by 2050. Similarly, the United States'

Inflation Reduction Act offers tax credits of $ 60 per tonne of CO_2 used, encouraging research and development in CCU technologies. Meanwhile, Japan is also advancing its commitment with large-scale projects aimed at capturing and storing approximately 13 million tonnes of CO_2 annually by 2030. These initiatives reflect a growing recognition of CCU's potential to mitigate climate change and drive sustainable industrial practices.

Program, exhibition and sponsoring opportunities

Next year's conference will include high profile speakers presenting CCU hot topics in the following sessions: Innovation, Strategy and Policy, Biogenic CO_2 Sources, Carbon Capture, Green Hydrogen Production, Power-to-X and Power-to-Fuels, as well as CO_2-to-Polymers and Materials and CO_2-to-Chemicals and Minerals.

The conference will be accompanied by a trade exhibition. The fee of a booth (6 m^2) is € 3,000 (excl. 19 % VAT). Bookings and individual arrangements can be made via www.co2-chemistry.eu/exhibition-booking.

A wide range of sponsorship opportunities offers participating companies maximum visibility and impact at the conference. More information is available at https://co2-chemistry.eu/sponsoring/.

Partners

The CO_2-based Fuels and Chemicals Conference 2025 is supported by numerous industry and trade associations, non-profit organisations, research institutions and interest groups, that are thematically linked to the conference: BCNP Consultants (DE), BioBASE, Bundesverband Bioenergie (BBE), C.A.R.M.E.N. e.V., Chemie-Cluster Bayern, CLIB – Cluster Industrial Biotechnology (DE), Global CO_2 Initiative (International), IN4climate.NRW, Industrielle Biotechnologie Bayern Netzwerk GmbH (IBB), kunststoffland NRW, Plastics Europe, Renewable Carbon Initiative (International), and Premium Partner CO_2Value Europe. For further information on our partners please visit https://co2-chemistry.eu/partners/.

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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 CO_2 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 CO_2 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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