

# 18<sup>th</sup> Carbon Dioxide Utilisation Summit

**Dusseldorf**  
**5th-6th October 2022**

Addressing legislative issues and technical developments  
in the CO<sub>2</sub> Utilisation industry

## Key Topics

- Reviewing International Legislation and Effects of the Green Deal on Europe.
- Addressing Challenges and Opportunities in Financing CCU Projects.
- Case Studies of CCU Projects.
- Recent Technological Advances for Carbon Dioxide Utilisation.
- Fuels, E-Fuels and Power to Liquid Projects.
- Chemical Production from Carbon Dioxide.
- Mineralisation.
- Carbon Capture, Storage and Transportation Developments.

## RWE Site Visit



On Tuesday 4th October, in the afternoon prior to the conference, a limited number of attendees will be permitted the unique opportunity to visit RWE's Innovation Centre at the Niederaussem Power Station, Please register your attendance for the site visit when booking for the conference.

Our Sponsors

**TOPSOE**

**CO<sub>2</sub> FOKUS**  
ADVANCING CO<sub>2</sub> CONVERSION

Sponsorship & Exhibition Opportunities:  
Karol Lweicki, +48 61 646 7038  
karol@acieu.net

More Information & Registration:  
Rohan Baryah, +48 61 646 7022  
rbaryah@acieu.net

# The 18th European Carbon Dioxide Utilisation Summit

## Dusseldorf, Germany

5th & 6th  
October  
2022

With ever increasing focus on sustainability and decarbonisation, many industries are looking for ways to use CO<sub>2</sub> to both remove harmful emissions, and find value from this perceived "waste" material. This event will focus on new CO<sub>2</sub> utilisation developments and technologies in the oil and gas, chemicals, energy, building and E-Fuels industries, as well as other-end markets. The conference will also highlight international legislation; updates and requirements of the industry, as well as an overview of the market since the 2015 Paris agreement.

Already on the 18th edition of a successful series, ACI is delighted to announce the 2022 European Carbon Dioxide Utilisation Summit. The event will bring together senior executives and experts from the utilisation industry, as well as policy makers, consultants, technology innovators and leading market analysts



### Agenda Committee

Christoph Guertler, Head of Catalysis and Incubation Technologies, **Covestro**

Diego Santamaria Razo, **CRH**

Gunnar Holen, CEO, **Nordic Electrofuel**

Nina Kolbe, Project Manager, **Thyssenkrupp**

Oskar Meijerink, Business Development Manager, **SkyNRG**

Jan Skocek, R&D Program Manager Carbonation Technologies, Global R&D, **HeidelbergCement**

Ken Omersa, CEO, **Omnagen**

### Who Will Attend?

- Oil, gas, energy and chemical companies with alternative energy departments.
- Biofuel, liquid fuel and E-Fuel companies.
- Start-up tech and utilisation companies.
- Venture capital firms and funding organisations.
- Petrochemical, oil and gas consulting firms.
- Research Centres and Institutes.
- Universities.
- Policy, Regulation & Environmental Associations.
- Chemical product manufacturers.
- Building and construction companies.

### Site Visit

**Tuesday 4th October 2022**

**RWE's Coal Innovation Centre at the Niederaussem Power Station**



How can CO<sub>2</sub> that results from energy generation be made into a usable raw material? To answer that question, the EU and German government have funded three new scientific research pilot projects at the RWE Innovation Centre in Niederaussem. These CCU Projects are developing innovative processes to create high-quality raw materials for the chemicals industry and general-use propellants.

The three projects, known as ALIGN-CCUS, OCEAN and LOTER.CO2M are investigating different processes with different synthetic end products.

**Itinerary: 12pm—Meet at the lobby of Hotel**

**1:00pm-1:30pm: Arrive at Site and Introduction**

**1:30pm-3:00pm: Tour of the Site**

**3:00pm-3:30pm: Final Questions and Leave the Site**

### Registration Is Simple

If you would like to register for this event or wish to find out more information, you can contact **Rohan Baryah** using any of the following methods:

**Tel:** +48 (0) 61 646 7022

**Email:** rbaryah@acieu.net

### Conference Fees

Conference (Includes Documentation Packet)	£1,795
--	--------

Documentation Packet Only	£470
---------------------------	------

Members and customers of all supporting organisations are entitled to a discount off their conference package.

### Opportunities to Meet Your Target Audience:

Showcase your technologies to the industry, with opportunities to demonstrate the capabilities of your latest products and services. Companies can gain direct access to our senior level audience and have an increased level of visibility and exposure through branding and networking at the conference. This will allow you to attract new business and forge lasting commercial relationships.

For information on available commercial opportunities, please contact:

**Karol Lewicki**

**Tel:** +48 61 6467 038

**Email:** karol@acieu.net

## DAY 1

Wednesday 5th October 2022

08:00 REGISTRATION & COFFEE

09:00 CHAIRMAN'S OPENING REMARKS

Robert Gresser  
Innovation Consultant  
I2V - Innovation to Value

09:15 SESSION ONE

Reviewing International Legislation and Effects of the European Green Deal

- Addressing the uncertainty and unreliability of classification in CO<sub>2</sub> production and application, and what is classified as "renewable"
- CO<sub>2</sub> taxation and pricing systems - How these could aid the CCU market and push industries towards CO<sub>2</sub> utilisation.
- Lowering the risk that large corporations see in the market by filling with clear and supportive legislation.

09:15 CCU in EU Climate Policies: 2022, a Landmark Year?

- CCU: What definition at EU level.
- EU legislations: why 2022 is a pivotal policy moment at EU level for CCU.
- Beyond 2022: Policy challenges & opportunities ahead.



Tudy Bernier  
Senior Policy Manager  
CO<sub>2</sub> Value Europe

09:45

Paul Zakkour  
Director  
Carbon Counts

10:15

Matthias Ólafsson  
Manager - Government & Public Affairs - Europe  
Methanol Institute

10:45 Panel Q&A

11:05 MORNING REFRESHMENTS

11:35 PANEL DISCUSSION

Addressing Challenges and Opportunities in Financing CCU Projects

- The importance of public funding infrastructure that is needed to get the industry going.
- Encouraging the funding for green investments, R&D and CCU projects with a long-term mindset.
- The rise of voluntary and non-compliance organisations.

Anastasios Perimenis  
Secretary General  
CO<sub>2</sub> Value Europe

Peter van Gelderen  
General Partner and CIO  
ICOS Capital

12:20 SESSION TWO

Carbon Capture, Storage and Transportation Developments

- Advances in direct air capture, and the impact this could have on the industry.
- Importing and shipping of CO<sub>2</sub> across the world - evaluating the economic and life cycle effects.
- Improvement to efficiency of CCS technologies, and the impact that may have on utilisation industries.

12:20 CO<sub>2</sub> - From Pollutant to Product - MHI's Carbon Capture Technology

- History of Technology Development.
- Worldwide Commercial Experience.
- Future Outlooks - Needs in the EU Market.



Florian Möllenbrück  
Project Manager, Carbon Capture and Power-to-Fuel  
Mitsubishi Heavy Industries

12:50 Panel Q&A

13:00 LUNCH AND NETWORKING

14:00 SESSION THREE

Case Studies of Current and Future CCU Projects

- Overview of existing and successful CO<sub>2</sub> projects.
- Discussing challenges and opportunities within projects, collaborations and cluster projects.



- Overview of future CCU projects and outlook.

Robert Gresser  
Innovation Consultant  
**I2V - Innovation to Value**

Sorin Ivanovici  
Head of Department, Hydrogen  
and Synthetic Products  
**OMV**

Sarah Endres  
Business Development  
Manager  
**EEW - Energy from Waste**

15:30 **Panel Q&A**

15:50 **AFTERNOON REFRESHMENTS**

16:20 **CONFERENCE PRESENTATION**  
Efficient Conversion of CO<sub>2</sub> to Fuels Using  
SOEC Electrolysis



Christian Wix  
Head of Product  
Development  
**Topsoe**

**TOPSOE**

16:40 **Presentation Q&A**

16:50 **SESSION THREE**  
Recent Technological Advances for CO<sub>2</sub>  
Utilisation

- Discussing available technologies and their applications for CO<sub>2</sub>, and addressing the need for new, low energy utilisation technologies.
- Scaling up new technologies, and the requirements for industrial use. What to expect in the coming years.
- New synthetic techniques for CO<sub>2</sub> conversion.

Deepak Pant  
Senior Researcher  
**VITO - Flemish Institute for  
Technological Research**

Damien Voiry  
Academic Researcher  
**University of Montpellier**

17:50 **Panel Q&A**

18:05 **CLOSE OF DAY ONE**

## DAY 2

Thursday 6<sup>th</sup> October 2022

08:30 **REGISTRATION & COFFEE**

09:00 **CHAIRMAN'S OPENING REMARKS**

Robert Gresser  
Innovation Consultant  
**I2V - Innovation to Value**

09:05 **SESSION FOUR - PART ONE**

**Fuels, E-Fuels and Power-to-Liquid Projects**

- Use of E-Fuels in aviation and maritime industries.
- Potential for using E-Fuels in private transport, and aiding the electric industry to achieve 2050 targets.
- Aviation and shipping fuels - Diesel blend opportunity?



Ralph Uwe Dietrich  
Team Leader, Techno-  
Economic Analysis  
**DLR**

Akis Souvaliotis  
Process Advisor - Advanced  
Fuels  
**ExxonMobil**



Carl Berninghausen  
Executive Chairman  
**Sunfire**

10:35 **Panel Q&A**

10:55 **MORNING REFRESHMENTS**

11:25 **SESSION FOUR - PART TWO**

**Fuels, E-Fuels and Power-to-Liquid Projects**

- Use of E-Fuels in aviation and maritime industries.
- Potential for using E-Fuels in private transport, and aiding the electric industry to achieve 2050 targets.
- Aviation and shipping fuels - Diesel blend opportunity?



Gunnar Holen  
CEO  
**Nordic Electrofuel**

Oskar Meijerink  
Business Development Manager  
SkyNRG

Jessica Elwell  
COO  
OxEn Energy

11:55 Panel Q&A

13:15 LUNCH AND NETWORKING

14:15 SESSION FIVE

## Chemical Production from CO<sub>2</sub>

- Use of E-Fuels in aviation and maritime industries.
- Potential for using E-Fuels in private transport, and aiding the electric industry to achieve 2050 targets.
- Aviation and shipping fuels - Diesel blend opportunity?

Jan B Sagmo  
CEO  
Bergen Carbon Solutions

15:15 Panel Q&A

15:30 CONFERENCE PRESENTATION

## CO<sub>2</sub> Mineralisation

- Mineralisation within the concrete industry, recent developments.
- Recycling mineral waste to reduce environmental impact and increase sustainability.
- Applications of mineralisation within the building industry, recent developments.

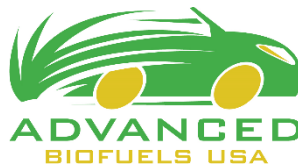
16:00 Presentation Q&A

16:10 CHAIRMAN'S CLOSING REMARKS

Robert Gresser  
Innovation Consultant  
I2V - Innovation to Value

16:20 END OF CONFERENCE & AFTERNOON  
REFRESHMENTS

With Thanks to our Media Partners



**ASDMedia**  
online media publishing



 **CHEMICAL INDUSTRY DIGEST**  
India's leading chemical & engineering monthly



**pteco<sub>2</sub>**  
Plataforma Tecnológica Española del CO<sub>2</sub>

 **Market Publishers**