

DECARBONIZING THE CHEMICALS INDUSTRY

23 - 24 May 2024 | Antwerp, Belgium

ORGANISED BY



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Contact cynthia@cmtsp.com.sg for more information. Exhibition / catalogue display can be arranged upon request.

VIEW ONLINE



SCAN ME

DAY 1 - 22 MAY 2024, WEDNESDAY

Separately Bookable Site Visit Steelanol CCU Plant in Ghent



Steelanol is Europe's first carbon capture and utilization (CCU) demonstration project. Steelanol recycles carbon into sustainable, advanced bio ethanol. The project, aimed to produce ethanol from steel waste gas, will be sufficient to fuel half a million cars with ethanol blended gasoline. It will demonstrate the added value of recycling waste streams, not only by reducing emissions at source, hence reducing ArcelorMittal Europe's direct carbon footprint, but by keeping fossil fuels in the ground through the production of commodity chemicals and fuels that would otherwise be made from oil. The resulting ethanol is expected to cut greenhouse gas emissions by over 80 per cent. The ethanol produced can be used in, for example, sustainable aviation fuel, packaging, and textile production as well as perfumes and household cleaning products.

- 08:40 Meet at hotel lobby /registrations
- 08:50 Depart from Hotel to Ghent
- 10:00 Arrive **ArcelorMittal Gent (AMG)**, briefing & introduction
- 10:45 Prepare for **Steelanol Plant** visit (change to PPE), and transport to Steelanol
- 11:10 Steelanol Plant Visit
- 12:45 Return to AMG to change out of PPE
- 13:00 Networking Refreshment and Sandwich lunch
- 14:00 Depart for hotel
- 15:15 Arrive at hotel

DAY 2 - 23 MAY 2024, THURSDAY

- 08:00 Morning Registration & Refreshments
- 09:00 Chairman's Welcome & Introduction
- 09:10 **DRIVERS AND EMERGING TECHNOLOGIES FOR THE REDUCTION OF CARBON EMISSIONS IN THE CHEMICAL INDUSTRY**
Mr. Paul M. Cordfunke, Senior Consultant
- Materials & Manufacturing
Lux Research Inc
- 09:40 **EU POLICY UPDATE: HOW CARBON CAPTURE & UTILISATION CAN DE-FOSSILISE EUROPE**
Mr. Tudy Bernier, Policy Director
CO2 Value Europe
- 10:10 **PATH2ZERO – WHAT IT TAKES FOR DOW TO BECOME NET ZERO WITH DECARBONIZATION & RECARBONIZATION**
Dr. Matthijs Ruitenbeek, Senior Scientist,
Sustainable Carbon Cycles
Dow Benelux
- 10:40 Networking Refreshment
- 11:10 **DEVELOPING LOW CARBON SOLUTIONS AND ENSURING SECURITY OF SUPPLY WHILE WORKING TOWARDS ENERGY TRANSITION**
Ms. Lourdes Diaz Caridad
Sustainability Manager
Cepsa Quimica S.A.
- 11:40 **LOW-CARBON HYDROGEN – WHAT OPTIONS ARE ECONOMICALLY MOST ATTRACTIVE AND SCALABLE IN A SHORT TIME HORIZON, WHILE PROVIDING THE SAME BENEFIT IN GHG EMISSION REDUCTION?**
- 12:10 **FINANCING CHALLENGES / SOLUTIONS TO ACCELERATE DECARBONIZATION**
- 12:40 Networking Lunch
- 13:50 Chairman's Introduction
- 14:00 **SABIC'S DECARBONIZATION TECHNOLOGY ROADMAP**
Mr. Frederik Hoornaert, GM
- Chemicals Technology & Innovation
SABIC Europe
- 14:30 **RECYCLED CARBON AS A FEEDSTOCK FOR THE FUTURE OF CHEMICALS AND PLASTICS**
Kristen Allison
Global Business Development Director
LanzaTech
- 15:00 TOPIC TO BE ADVISED
- 15:30 Networking Refreshment
- 16:00 **ENERGY AND FEEDSTOCK TRANSITION IN THE PORT OF ANTWERP-BRUGES: A CHEMICAL CLUSTER IN EVOLUTION**
Mr. Didier Van Osselaer
Sustainable Transition Manager
Port of Antwerp-Bruges
- 16:30 **SUPPLY CHAIN DECARBONIZATION - MANAGING SCOPE 3 EMISSIONS IN THE CHEMICALS INDUSTRY AND THE COMPLEXITIES**
- 17:00 **REVISED EU ETS, CBAM IMPLEMENTATION & THE IMPACT ON CHEMICALS INDUSTRY**
Dan Maleski
Environmental Markets Advisor
Redshaw Advisors Ltd
- 17:30 Networking Reception for all Speaker & Delegates



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Program details published herein are confirmed as of 08/04/2024

Pathway to decarbonization : New business models, partnerships, and disruptive technology!

- 08:50 Chairman's Introduction
- 09:00 **SCIENCE BASED TARGET SETTING FOR THE CHEMICALS SECTOR**
Mr. Michiel Stork, Director, Energy, Sustainability & Infrastructure
Guidehouse
- 09:30 **CREATING CIRCULAR CHEMICALS FROM PLASTIC WASTE STREAM – SHELL'S CHEMICAL RECYCLING PLANS**
Mr. Joris Flapper, Commercial Lead Europe for Plastics & Chemicals Circularity
Shell
- 10:00 **EFFECTIVE FEEDSTOCKS MANAGEMENT & SOURCING**
Christian Abl, Director Recycling
Reclay Group
- 10:30 Networking Lunch
- 11:00 **PANEL DISCUSSION : COMPARISON OF ECONOMICS / INCENTIVES OF USING RENEWABLE FEEDSTOCKS IN THE CHEMICALS INDUSTRY VS FUELS FOR TRANSPORTATION SECTOR**
Panelists:
Mr. Paul M.Cordfunke, Senior Consultant - Materials & Manufacturing
Lux Research Inc

Dr. Andreas Kohl, Head of Specialty Chemicals and Catalysts
Verbio SE
- 11:30 **SCALING UP OF RENEWABLE AROMATIC CHEMICALS FROM BIOMASS & WASTE PLASTICS**
Dr. Ton Vries, Managing Director
BioBTX
- 12:00 **ISCC PLUS CERTIFICATION OF CIRCULAR AND BIOBASED RAW MATERIALS AND VALUE CHAINS**
Dr. Jan Henke, Director
ISCC System GmbH & Meo Carbon Solutions
- 12:30 Networking Lunch and End of **Decarbonizing the Chemicals Industry** conference.

The European chemicals sector aims to achieve carbon neutrality by 2050 as part of the European Green Deal. To do so, the industry needs to adapt on how and what it produces moving forward, while maintaining its competitiveness globally.

Chemical decarbonization will surely involve reduced resource use, enhancing energy efficiency and electrifying specific processes, more sustainable feedstocks, new renewable energy sources including transitions to hydrogen-based manufacturing or expanding carbon-capture capabilities, product circularity, and overall supply chain efficiency. This shift could potentially disrupt industry cost structures, with early adopters likely to be better equipped to navigate and absorb impacts associated with the transition. Which solutions offer a cost competitive advantage yet allows companies to meet their net-zero goal?

Dow advances Path2Zero project for net-zero emissions facility.
11/12/23, www.fuelsandlubes.com

SABIC, Scientific Design (SD), and Linde Engineering have signed a Memorandum of Understanding to collaborate on decarbonizing the SD Ethylene Glycol Process.
13/12/23, www.chemanager-online.com

Shell is to supply Brazilian petrochemical and polymer producer Braskem with "circular" feedstock for polypropylene (PP) production, based on chemical recycling of plastic waste.
18/1/24, www.argusmedia.com

As concerns around companies' supply chains grow in importance, transparency around Scope 3 emissions has become a vital issue. To address the Scope 3 challenge and shift the chemical sector's climate trajectory, Together for Sustainability (TfS) launched the Scope 3 GHG Program, an industry-wide method to monitoring, managing, and reducing emissions across the chemical supply chain. Get an understanding of PCF calculation and methodology standardisation and tools. It is vital for companies to engage with suppliers to share more transparent data so they can begin to account for emissions reductions along the value chain.

Join CMT's **Decarbonizing the Chemicals Industry** conference on **22-24 May 2024** in **Antwerp, Belgium** to engage with industry partners on latest developments, industry's case studies & decarbonization solutions to meet your net-zero goal! This event will be held together with 2nd Sustainable Feedstocks for the Future of Chemicals & Plastics conference on the same date!

Register for both events to enjoy more discount!

This event will have some combined sessions with the **2nd Sustainable Feedstocks for the Future of Chemicals & Plastics** conference on **22-24 May 2024** in **Antwerp, Belgium!**
Check out <https://www.cmtevents.com/aboutevent.aspx?ev=240513&> for more information.

FEES

EARLY BIRD DISCOUNT valid till 22nd April 2024	Decarbonizing the Chemicals Industry 22 - 24 MAY	2nd Sustainable Feedstocks for the Future of Chemicals & Plastics 22 - 24 MAY
	Fees per person (EUR)	
ONSITE Bundle (2 events)		
1 person	1795	
3 or more person	1595	
ONSITE 1 Event		
1 person	1295	1295
3 or more person	1095	1095
VIRTUAL		
Bundle (2 events)		
1 event	1295	1295
Video Recording		
Bundle (2 events)		
1 event	325	325
SITE VISIT		
	245	

