

16th Carbon Dioxide Utilization Summit

27th – 28th April 2022 / Montreal, Canada

Key Topics

- o Canada vs. The World: A Global CCU Assessment
- o Assessing the Current CO₂ Transportation and Storage Logistics
- o Discussing the Role of the Government in Supporting the Development & Commercialization of CO₂ Utilization
- o Adjusting the Public Perception of CO₂ from a Waste Material to a Raw Material
- o Latest Developments on Technology in the Industry
- o Case Studies: Overview of Current Successful CO₂ Utilization Cases/Plants
- o Using CO₂ as a Feedstock for Chemicals and Fuels
- o CO₂ Utilization in the Oil and Gas Industry
- o The Utilization of CO₂ in the Construction Industry
- o Exploring Other End-Markets

WITH THANKS TO OUR SPONSORS:



For more info & registration
please contact Rohan Baryah
on +48 (0) 61 646 7022
or rbaryah@acieu.net

For sponsorship opportunities
please contact Sam Cormack
on +44 (0) 20 3141 0626
or samc@acieu.net

16th Carbon Dioxide Utilization Summit

27th – 28th
April
2022

ACI's 16th Carbon Dioxide Utilisation Summit will follow on from our successful series of conferences focusing on the re-use of the green house gas CO₂ and converting this into profitable and sustainable materials.

The two day conference brings together senior experts from various CO₂ emitting industries discussing the **sustainable, technological and commercial** aspects of CO₂ Utilization in Canada. With technology comparisons focusing on economic, environmental and social indicators, our panel of speakers will highlight knowledgeable insights into commercial developments and application. Furthermore the conference will delve into innovative developments and projects in the CO₂ Utilization industry.

Who Should Attend:

Senior representatives from chemical, construction, oil and gas companies, technology developers and providers, algae production companies, petro-chemical manufacturers, research organisation, Non Governmental Organisations and market representatives



Speaking Opportunities



If you would like to be considered as a speaker, for a 20-30mins presentation, at the event please submit an abstract for consideration to:


Ted Hughes +44 (0) 20 31410608 / thughes@acieu.net

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Commercial & Sponsorship Opportunities

Gain direct access to our senior level audience and gain an increased level of visibility through branding and networking. For detailed information on sponsorship and commercial opportunities, please contact Sam Cormack


 +44 (0) 20 3141 0626

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 <http://www.acieu.net>

Registration is Simple

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DAY 1

Wednesday 27th April 2022

08:00 **REGISTRATION & COFFEE**

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

09:15 **CONFERENCE PRESENTATION**
Canada vs. The World: A Global CCU Assessment

- Canada's strengths in the carbon dioxide utilization industry
- The impact of Canadian regulations on the national CCU industry
- Comparison between status of Canada's projects vs. the rest of the world

10:00 **SESSION ONE**
Assessing the Current CO2 Transportation and Storage Logistics

- Exploring the legislative aspects of CO2 transport and storage
- The economics of CO2 utilization including transportation
- Addressing the lack of logistics for CO2 transportation

Tim Wiwchar
Business Opportunity Manager
Shell

11:15 **MORNING REFRESHMENTS**

11:45 **PANEL DISCUSSION**
Discussing the Role of the Government in Supporting the Development and Commercialization of CO2 Utilization

Each panellist will briefly introduce themselves - approx. 5mins, before starting the discussion

- The need for the industry to have clear regulations on both national and North American levels
- Navigating the regulatory/tax/credit system
- Incentivizing the capturing and usage of CO2 - penalties vs. rewards
- Exploring new policy proposals which could make carbon markets not only feasible but also profitable

Mark Summers
Executive Director, Technology and Innovation
Emissions Reduction Alberta

12:30 **CONFERENCE PRESENTATION**
Adjusting the Public Perception of CO2 from a Waste Material to a Raw Material



Dr. Graciela Chichilnisky
CEO and Co-Founder
Global Thermostat

- Addressing government perspectives on CO2
- Discussion on how CO2 is reflected and understood by the public

13:15 **LUNCH**

14:15 **CONFERENCE PRESENTATION**
Addressing the Opportunities in Financing Carbon Capture and



Donald Gaston
President and CEO
Prairie State Generating Company

- Investment snapshot: Case studies of success stories of financed carbon capture
- The importance of investing in clean tech
- Encouraging the funding for green investments

15:00 **SESSION TWO**
Latest Developments on Technology in the Industry

- Addressing the need for utilization technology to have low energy requirements to ensure more CO2 is consumed than produced
- The state of technologies currently in research and development: what to expect in the coming years
- Current assessment of types of technologies being piloted - lessons learned & pitfalls to avoid



Curtis Berlinguette
Canada Research Chair in Energy Conversion
The University of British Columbia



Brian Dahl Jønson
PHD Student
University of Southern Denmark

16:15 **AFTERNOON REFRESHMENTS**

16:45 SESSION THREE

Case Studies: Overview of Current Successful CO₂ Utilization

- Overview of existing and successful CO₂ projects - the path to scaling up
- Exploring challenges and how to overcome them

Jasper van de Wetering
AFR/CO₂ Manager, Region
Canada
Lehigh Cement

Christine Gabardo
Director of Technology
CERT

18:00 CLOSE OF DAY ONE

DAY 2

Thursday 28th April 2022

08:30 REGISTRATION & COFFEE

09:00 CHAIRMAN'S OPENING REMARKS

09:05 SESSION FOUR

Using CO₂ as a Feedstock for Chemicals and Fuels

- Current & future projects and opportunities for CO₂ as a chemical feedstock
- Assessing the logistics for the creation of e-fuels using CO₂
- Capitalising on the potential of CO₂ as an alternative feedstock for polymer production, carbonated drinks, bioplastics, etc.

Yimin Wu
Assistant Professor - Faculty of
Engineering
University of Waterloo

David Lynch
General Manager R&D
Enerkem

10:20

CONFERENCE PRESENTATION Delta Technologies for CO₂ Capture from Flue Gases of Coal and Natural Gas Fired Boilers



Ahmed Aboudheir, PhD,
P.Eng.
Chief Technology Officer

- Advanced plant design to process multi-feed flue gases
- Integrated solvent reclaiming system to maintain the solvent efficiency
- Optimum and modular plant design at minimum operating and capital expenditures
- Minimum emissions to atmosphere and minimum waste for disposal

11:05 MORNING REFRESHMENTS

11:35 SESSION FIVE

CO₂ Utilization in the Oil and Gas Industry

- Creating partnerships between CO₂ emitters & CO₂ users
- EOR & CO₂ utilization developments in the Canada Oil Sands
- Opportunities for the oil & gas industry to develop and commercialize conversion

Fiona Oliver-
Glasford
Energy Transition

Dr. David Layzell
Director, Canadian Energy
Systems Analysis Research
(CESAR) Initiative

Matt Nasehi
Manager of Operations
PTRC

13:25 LUNCH

14:25 CONFERENCE PRESENTATION

The Utilization of CO₂ in the Construction Industry

- How CO₂ can be valuable resource to the construction industry, and help move towards sustainable production of materials
- Case study: successfully made CO₂ cured concrete & its benefits



Robert Cumming
Director, Environment
Lafarge Canada Inc

15:10 SESSION SIX

Exploring Other End-Markets

- CO₂ utilization opportunities in the consumer products sector
- Linking the reuse of CO₂ with demand from the F&B industry

Jaeson Cardiff
CEO and Cofounder
CleanO₂

Brian Sefton
Chief Technology Officer
NovoNutrients

16:25 CHAIRMAN'S CLOSING REMARKS

16:35 END OF CONFERENCE & AFTERNOON REFRESHMENTS

More information & registration

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Tel: +48 616 467 022

Email: rbaryah@acieu.net

Web: <http://www.acieu.net>

Address: 25 Southampton Buildings, London, WC2 1AL

Registration Is Simple

Conference (Includes Access to Documentation Pack) 27th & 28th April 2022	\$2,395.00
Documentation Pack Only	\$615.00

Please Note.

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

For more information please call +48 616 467 022

Documentation Packet Available

We are selling the 16th Carbon Dioxide Utilization papers at just \$585 (+\$30 P&P). Simply tick the box on the booking form, send it with payment and your copy will be on its way to you after the meeting. This important manual will be a source of invaluable reference for the future.

About ACI

ACI, a UK owned company, has been running successful conferences in the USA since 1999. Headquartered in Chicago, ACI opened its European head office in London at the end of 2005 and has expanded rapidly, launching a series of events in key industries including maritime, energy, chemicals, cosmetics & pharma and opening offices in Poznan (Poland) & Pune (India).

Terms & Conditions

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Payment must be received within five business days of returning the signed contract. After receiving payment a VAT receipt will be issued. If you do not receive a letter outlining details two weeks prior to the event, please contact the Conference Coordinator at ACI Europe Ltd.

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Substitutions are welcome up to 24 hours prior to the event. Cancellations must be received in writing no less than 3 weeks prior to the start of the conference; a full credit voucher towards a future ACI conference will be issued. Any cancellation received less than 3 weeks prior to the start of the event shall be deemed to be a breach of this contract by client, and accordingly, no credits will be given. Cancellations must be received in writing by mail or fax three weeks before the conference. Thereafter the full conference fee is payable. If for any reason ACI Europe Ltd decides to amend, cancel or postpone this conference, the conference fee will not be refunded. Furthermore, ACI Europe Ltd will not be responsible for covering airfare, hotel or other costs incurred by registrants. In the event that ACI Europe Ltd cancel or postpone the event, ACI Europe Ltd reserves the right to transfer this booking to another conference to be held in the following twelve months, or to provide a credit of an equivalent amount to another conference within the following twelve months. The construction, validity and performance of this agreement shall be governed in all respects by the laws of England to the exclusive jurisdiction of whose courts the Parties hereby agree to submit.

Accommodation

The cost of accommodation is not included in the event fee. Preferential rates will be arranged with or near the event venue, and all confirmed delegates will be given details of how to book accommodation at this rate in due course.