

# 16<sup>th</sup> Carbon Dioxide Utilization Summit

16th – 17th September 2020 / Montreal, Canada



## Key Topics

- o Canada vs. The World: A Global CCU Assessment
- o Assessing the Current CO<sub>2</sub> Transportation and Storage Logistics
- o Discussing the Role of the Government in Supporting the Development & Commercialization of CO<sub>2</sub> Utilization
- o Adjusting the Public Perception of CO<sub>2</sub> from a Waste Material to a Raw Material
- o Latest Developments on Technology in the Industry
- o Case Studies: Overview of Current Successful CO<sub>2</sub> Utilization Cases/Plants
- o Using CO<sub>2</sub> as a Feedstock for Chemicals and Fuels
- o CO<sub>2</sub> Utilization in the Oil and Gas Industry
- o The Utilization of CO<sub>2</sub> in the Construction Industry

# 16th Carbon Dioxide Utilization Summit

16th– 17th  
September  
2020

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 CO<sub>2</sub> and converting this into profitable and sustainable materials.

The two day conference brings together senior experts from various CO<sub>2</sub> emitting industries discussing the **sustainable, technological and commercial** aspects of CO<sub>2</sub> 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 CO<sub>2</sub> 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:


**Justine Matthys** +44 20 3141 0624 / [jmatthys@acieu.net](mailto:jmatthys@acieu.net)

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- The Utilization of CO<sub>2</sub> in the Construction Industry
- Exploring Other End-Markets

## **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

 [samc@acieu.net](mailto:samc@acieu.net)

 <http://www.acieu.net>

## **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:

 +48 (0) 616 467 022

 [rbaryah@acieu.net](mailto:rbaryah@acieu.net)

 <http://www.acieu.net>



## DAY 1

Wednesday 16th September 2020

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

**Dubravka Bulut**  
Senior Science and Technology Advisor  
**Natural Resources Canada**

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

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



**Phil De Luna**  
Program Director, Energy Materials  
Challenge Program  
**National Research Council Canada**

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

- 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 Utilization**

- 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



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

16:15 **AFTERNOON REFRESHMENTS**

16:45 **SESSION THREE**  
**Case Studies: Overview of Current Successful CO2 Utilization Cases/Plants**

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

**Christine Gabardo**  
Director of Technology  
**CERT**

18:00 **CLOSE OF DAY ONE**

## DAY 2

Thursday 17th September 2020

08:30 **REGISTRATION & COFFEE**

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

### 09:05 **SESSION FOUR**

#### **Using CO<sub>2</sub> as a Feedstock for Chemicals and Fuels**

- Current & future projects and opportunities for CO<sub>2</sub> as a chemical feedstock
- Assessing the logistics for the creation of e-fuels using CO<sub>2</sub>
- Capitalising on the potential of CO<sub>2</sub> 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 **MORNING REFRESHMENTS**

### 10:50 **SESSION FIVE**

#### **CO<sub>2</sub> Utilization in the Oil and Gas Industry**

- Creating partnerships between CO<sub>2</sub> emitters & CO<sub>2</sub> users
- EOR & CO<sub>2</sub> utilization developments in the Canada Oil Sands
- Opportunities for the oil & gas industry to develop and commercialize conversion

Fiona Oliver-Glasford

Energy Transition Planning  
**Enbridge**

Dr. David Layzell

Director, Canadian Energy Systems  
Analysis Research (CESAR) Initiative  
**University of Calgary**

12:40 **LUNCH**

### 13:40 **SESSION SIX**

#### **The Utilization of CO<sub>2</sub> in the Construction Industry**

- How CO<sub>2</sub> can be valuable resource to the construction industry, and help move towards sustainable production of materials
- Case study: successfully made CO<sub>2</sub> cured concrete & its benefits



Robert Cumming

Director, Environment  
**Lafarge Canada Inc**

### 13:50 **CONFERENCE PRESENTATION**

#### **Exploring Other End-Markets**

- CO<sub>2</sub> utilization opportunities in the consumer products sector
- Linking the reuse of CO<sub>2</sub> with demand from the F&B industry

Jaeson Cardiff

CEO and Cofounder  
**CleanO2**

15:05 **CHAIRMAN'S CLOSING REMARKS**

15:10 **END OF CONFERENCE & AFTERNOON REFRESHMENTS**

## More information & registration

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) 616 467 022

Email: [rbaryah@acieu.net](mailto:rbaryah@acieu.net)

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

Address: 10 Gough Square, London, EC4A 3DE

## Registration Is Simple

Conference (Includes Access to Documentation Pack)  
16th & 17th September 2020

\$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 (0) 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

### Payment

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.

Discounts are available for multiple/group bookings. Please call **+48 (0) 616 467 022** for more information.

### Cancellations

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.