

EAGE

EUROPEAN
ASSOCIATION OF
GEOSCIENTISTS &
ENGINEERS



First EAGE Workshop on Geophysical Techniques for Monitoring CO₂ Storage

21-22 OCTOBER 2025 • TORONTO, CANADA

- **First Announcement & Call for Abstracts Open!**

WWW.EAGE.ORG

WORKSHOP OVERVIEW

In alignment with climate change mitigation goals, the safe, permanent underground storage of carbon dioxide is undergoing a rapid acceleration in growth. Hundreds of projects have been initiated across the world, and each of those projects will have a monitoring program, most or all of which will involve geophysical techniques. This challenge fortunately coincides with decades of experience monitoring a handful of pilot and early commercial storage projects in several jurisdictions. Innovative techniques and technologies are undergoing rapid evaluation in ongoing pilots, and a new eco-system of ideas and means of monitoring is flourishing.

The goal of the First EAGE Workshop on Geophysical Techniques for Monitoring CO₂ Storage is to help connect ideas and methods in carbon storage monitoring for the new wave of commercial projects now underway and the next waves that are about to be initiated. The targeted connections are between the myriad of technical solutions that can be achieved, and the subset of techniques that should be selected for specific projects.

This discussion considers the differences and areas in common between storage sites, risk profiles, regularity governance and geophysical monitoring for both onshore and offshore environments. We hope these connections help us take from what is possible to produce plans and approaches that are practical and efficient. We are not promoting a race to the bottom on costs and regulatory minimums but an exploration of efficiency based on marrying technical capability with site-specific need.

These ambitions will be achieved by a small working group over a two-day-long period. Our workshop will include invited speakers and will also accept technical presentations that align with the event. Attendee participation will include focused and carefully moderated discussion periods, online polls and breakout sessions.

MEET THE TECHNICAL COMMITTEE

| | |
|-------------------------|-----------------------------|
| Enrique Sedas (Alberta) | SAIT |
| Francesca Oggioni, | VIRIDIEN |
| Christopher Willacy | Shell |
| Lee Hunt | Carbon Alpha |
| James Lopez | CEMEX |
| Don White | Geological Survey of Canada |
| Dr. Rick Chalaturnyk | University of Alberta |
| Dr. Mauricio Sacchi | University of Alberta |
| Matthias Imhof | ExxonMobil |
| Joel Le Calvez | SLB |
| Nils-Eivind Holmedal | Reach Subsea |
| Marie Macquet | Carbon Management Canada |
| Sougata Halder | TGS |

CALL FOR ABSTRACTS OPEN!

TOPICS

The Technical Committee invites practitioners, innovators and industry experts to contribute to this workshop and share their achievements and challenges, lay out big innovative ideas and seek new alliances to jointly develop a road for the future.

Submit your abstract before 15 June 2025

Please submit abstracts on the following topics:

1. MMV Methods

- Low-cost monitoring solutions
- Monitoring in depleted reservoirs
- Quantitative analysis
- Utilizing legacy data
- Pressure monitoring
- Fiber optics
- Automation
- Microseismicity
- Non-seismic methods
- Modeling techniques
- Multiphysics methods

2. Site Specificity

- Risk management
- Site specificity and characterization
- Regulator perspectives
- Regulatory environments
- Early-stage storage development

3. Challenges and Opportunities

- Synergies with hydrogen/nuclear waste disposal
- Abandoned well monitoring
- The role of monitoring and public communication
- Scalability and replication
- MMV strategies
- MMV solutions for large scale injection projects

SCAN THE QR TO SUBMIT





"The First EAGE Workshop on Geophysical Techniques for Monitoring CO₂ Storage aims to connect ideas and methods in carbon storage monitoring for current and future commercial projects."

LOCATION*

Toronto is an international centre of business, finance, arts, sports, and culture and is one of the most multicultural and cosmopolitan cities in the world. Toronto is the third-largest tech hub in North America after Silicon Valley and New York City, and the fastest growing hub.

Its location on the northwestern shore of Lake Ontario, which forms part of the border between Canada and the United States, and its access to Atlantic shipping via the St. Lawrence Seaway and to major U.S. industrial centers via the Great Lakes have enabled Toronto to become an important international trading center.

Toronto is one of the most multicultural cities in the world. Whether you plan to explore museums and attractions, attend a festival, immerse yourself in live music and nightlife, or experience an international culinary scene – Toronto is ready to welcome you!

**Please make sure you check the official website
<https://www.canada.ca/en.html> in case you need to apply for a VISA.*

VENUE

Located in the heart of Downtown Toronto, the event will be held in the **Ontario Bar Association – Conference Centre**

20 Toronto St, Toronto, ON M5C 2B8, Canada
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SPONSORING OPPORTUNITIES

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CONTACT

The First EAGE Workshop on Geophysical Techniques for Monitoring CO₂ Storage is organized by the EAGE Latin America Office. For enquiries please contact by email lan@eage.org For up to-date information visit:





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