

# CCS Technical Workshop 2025

- Toward building a CCS value chain in Japan -

**Date and time:** Wednesday, January 29, 2025

13:00 to 17:30 (Registration Open: 12:20) (JST, UTC+9)

**Venue:** Iino Hall and Conference Center, Tokyo and Zoom webinar  
<https://www.iino.co.jp/hall/en/>

**Organizer:** Geological Carbon Dioxide Storage Technology Research Association (GCS)

**Co-organizers:** Ministry of Economy, Trade and Industry (METI),  
New Energy and Industrial Technology Development Organization (NEDO)

**Participation fee:** Workshop (Free of charge) /  
Networking reception (Fee: JPY 3,000, local payment)  
**Languages:** Japanese, English (simultaneous interpretation available)

**Moderator:** Prof. Toshifumi Matsuoka, Professor Emeritus, Kyoto University

| 12:20 -       | Registration Open & Poster Session   |  |
|---------------|--|--|
| 13:00 - 13:05 | Opening Remarks  | Shinichi Hiramatsu<br>President, Geological Carbon Dioxide Storage Technology Research Association (GCS)   |
| 13:05 - 13:10 | Greetings from Co-organizer  | Yoshinori Keino<br>Director, CCS Policy office, Natural Resources and Fuel Department Agency for Natural Resources and Energy, the Ministry of Economy, Trade and Industry of Japan (METI) |
| 13:10 - 13:15 | Greetings from Co-organizer  | Shigekazu Fukunaga<br>Director General, Environment Department, New Energy and Industrial Technology Development Organization  |
| 13:15 - 13:20 | Scene Setting  | Prof. Toshifumi Matsuoka<br>Professor Emeritus, Kyoto University   |
| 13:20 - 14:20 | Presentation 1:<br>Gorgon Carbon Capture and Storage – Insights and Lessons Learned            | Dr. Robert Root<br>Gorgon Asset Development Manager<br>Chevron   |
| 14:20 - 15:20 | Presentation 2:<br>The Technologies We Have and Innovations We Need in CO <sub>2</sub> Storage | Dr. Ziqiu Xue<br>Director, Technical Department, Geological Carbon Dioxide Storage Technology Research Association   |
| 15:20 - 16:00 | Poster Session & Coffee Break  |  |
| 16:00 - 17:00 | Presentation 3:<br>Overview of Act on Carbon Dioxide Storage Business                          | Hiroyasu Konno<br>Partner, Attorney-at-Law Admitted in Japan & New York<br>Nishimura & Asahi   |
| 17:00 - 17:20 | Presentation 4:<br>Advanced Efforts for Commercialization of CCS - Advanced CCS Projects -     | Ryuta Kitamura<br>Director General, CCS Project Department<br>Energy Business Unit<br>Japan Organization for Metals and Energy Security (JOGMEC)   |
| 17:20 - 17:25 | Wrap-up  | Prof. Toshifumi Matsuoka<br>Professor Emeritus, Kyoto University   |
| 17:25 - 17:30 | Closing Remarks  | Prof. Yoshiyuki Shimoda, Director, Geological Carbon Dioxide Storage Technology Research Association   |

Note: Speakers, topics, and presentation times are subject to change.

The following corporations are participating in the Geological Carbon Dioxide Storage Technology Research Association:

ITOCHU Corporation, ITOCHU Oil Exploration Co., Ltd., OYO Corporation, Japan Petroleum Exploration Co., Ltd., Taisei Corporation, JGI, Inc., J-POWER, TOHO EARTHTECH, INC., Mitsubishi Gas Chemical Company, Inc., INPEX Corporation, ENEOS Xplora Inc., National Institute of Advanced Industrial Science and Technology, Research Institute of Innovative Technology for the Earth (RITE)

The “GX Promotion Strategy”, approved by the Cabinet in July 2023, sets out a policy of supporting advanced projects which become role models to develop a business environment for starting CCS projects by 2030. As part of this effort, the Ministry of Economy, Trade and Industry (METI) and Japan Organization for Metals and Energy Security (JOGMEC) started the “Support Program for Advanced CCS Projects,” which provides support for the deployment of CCS model projects including not only storage projects in Japan but those overseas as well, with the aim of promoting decarbonization across the entire Asia-Pacific region.

The Geological Carbon Dioxide Storage Technology Research Association (GCS) is promoting the development of technologies that contribute to ensure safety and to reduce cost of CCS projects under a project commissioned by the New Energy and Industrial Technology Development Organization (NEDO). Research Institute of Innovative Technology for the Earth (RITE), as a leading member of the GCS, is promoting technological development and activities which include field tests of multi-sensing technology using optical fibers at the storage sites in Japan and overseas, development of evaluation methods to ensure the safety and integrity of faults surrounding CO<sub>2</sub> storage sites, and development of “CO<sub>2</sub> emission sources database” and “CCS cost estimation tool” which play useful roles for realization of a CCS value chain.

This workshop will highlight cutting-edge activities and technological developments overseas and in Japan towards building a CCS value chain. The latest achievements and lessons learned from the Gorgon CCS project in Australia will be shared with a focus on effective utilization of reservoirs. Also, the updates on the outcomes and latest progress of technology developments by GCS-RITE, initiatives related to the CCS Business Act and the status of JOGMEC’s activities to support Advanced CCS projects will be provided.

We will also have a poster session and a networking reception as opportunities to exchange opinions and have interactive discussions with the invited speakers and our researchers.

We look forward to welcoming you in person or online at the workshop.

### Access:

<https://www.iino.co.jp/hall/en/access/>

Iino Hall & Conference Center, Iino Building 4F, 2-1-1 Uchisaiwai-cho, Chiyoda-ku, Tokyo, JAPAN

### Event information:

<https://www.rite.or.jp/en/news/events/2024/12/ccs2025.html>

### How to register:

Please register at the following website.

<https://ccsws.net/form/en>

### Registration period:

On-site: until Wednesday, January 15, 2025 (JST)

Online webinar: until Monday, January 20, 2025 (JST)

If you are unable to register on our website, please send us the following information by e-mail to [ccsws@rite.or.jp](mailto:ccsws@rite.or.jp)

[Required information]

1. Name:
2. Company name:
3. Department name:
4. Position title:
5. Phone number:
6. Email address:
7. Country:
8. Preferred participation method: (on-site /online)
9. Networking Reception (Fee: JPY 3,000) : (will participate/will not participate)
10. Send me information about related events in the future (yes/no):

Note: The personal information we receive may be used for compiling a list of participants and providing event information.

### Contact Us:

CCS Technical Workshop 2025 Secretariat

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