



# ConsenCUS: Carbon Capture, Usage and Storage

Dear ConsenCUS community,

We are excited to bring you another newsletter filled with significant achievements, events, and updates from across the project! This newsletter highlights our success in achieving high-purity CO<sub>2</sub> capture at the OMV Petrom refinery in Romania, a major milestone that reflects the strength of our innovative technology. You can also read about the recent pilot project event held at the refinery, where we welcomed (high level) local authorities and stakeholders.

In early October, we convened in Thessaloniki for our General Assembly, hosted by CERTH, where we reviewed our progress and discussed our final-year activities. You'll find a summary of our assembly, insights into upcoming demonstration phases, and a save-the-date for our End Conference in May 2025 in Brussels!

Additionally, this edition takes a look back at the European Water Technology Week in the Netherlands, showcases ConsenCUS at future conferences, and introduces GEUS, one of our valued project partners.

We hope you enjoy these updates and stay tuned for the exciting final phase of the ConsenCUS journey!

On behalf of the ConsenCUS team,  
Dirk Koppert, Project Manager

## News

### High purity and efficiency of CO<sub>2</sub> capture achieved with new technology at test site OMV Petrom, Romania

The ConsenCUS project has reached two major milestones, successfully capturing CO<sub>2</sub> with a purity level exceeding 99% and an efficiency of 95%. This breakthrough took place at the [OMV Petrom](#) near Ploiești, Romania, underscoring the effectiveness of the advanced electrochemical technology employed by the project.



[Read more](#)

### Pilot project event at Petrobrazi Refinery Romania



In honour of the newly employed ConsenCUS technologies at [the Petrobrazi Refinery](#), OMV Petrom successfully organised the Pilot Project Event to demonstrate the installation to high level visitors. The event highlighted Prahova County's role in the Just Transition Fund, a programme supporting six energy-intensive Romanian counties, with a focus on advancing Carbon Capture and Utilisation (CCU) technology through dedicated funding.

[Read more](#)

### Highlights General Assembly Thessaloniki Greece 8-9 October 2024



October was marked by our general assembly in Thessaloniki hosted by [Centre for Research & Technology Hellas \(CERTH\)](#). We discussed the progress of the project, the results achieved so far and how we will organise the last year of the project. The Final Conference was one of the topics discussed in detail (read more below!). Obviously, a visit to the third and last demonstration site of Grecian Magnesite could not be missed. Although the unit is still up and running in Romania at [OMV Petrom's](#) Petrobrazi Refinery, we expect it to be commissioned at the end of this year at the Yerakini Mine in Chalkidiki operated by [Grecian Magnesite S.A.](#) Here we will focus on the long-term test cycles.

### Save the date! 14-15 May End Conference ConsenCUS



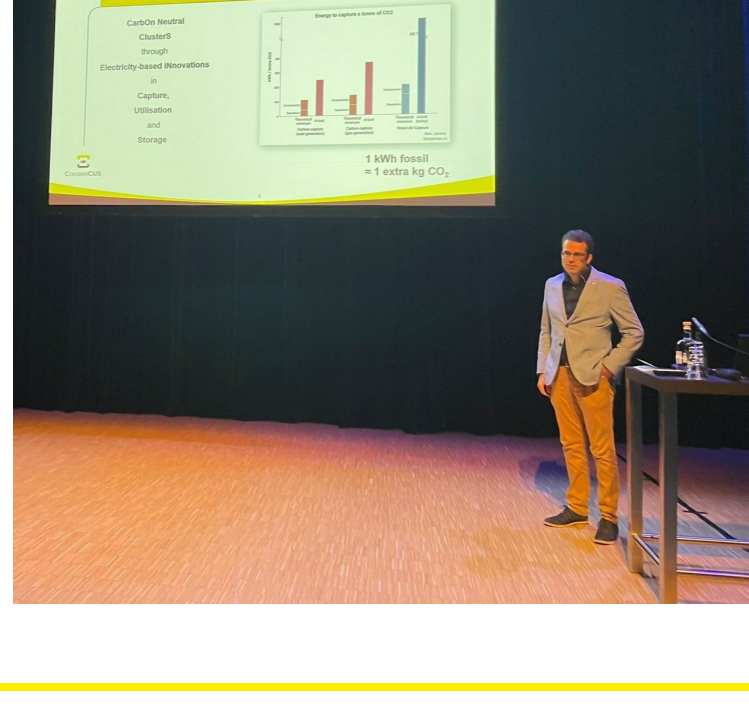
We are officially in the final year of the project. Time has flown by, the results are slowly pouring in and so we are focusing on the final reports and opinions. Of course, we are keen to share this with you!

So, mark the date in your diary: **End Conference ConsenCUS on 14-15 May 2025 in Brussels, Belgium.** We will share more information soon. Would you like to be the first to receive specific updates about the End Conference? Then leave your contact details [on this page](#) and we will keep you informed!

[Keep me updated](#)

### Recap European Water Technology Week 2024

ConsenCUS was present in the European Water Technology Week 2024 in Leeuwarden with about 1000 participants. An inspiring parallel session, hosted by [Wetsus'](#) Dr. Sara Vallejo Castaño, was dedicated to sharing the details of the technology and the main findings and achievements of the CO<sub>2</sub> capture and utilization pilot.



[Read more](#)

### ConsenCUS congratulates Aalborg Portland on winning grant

What a milestone for our partner [Aalborg Portland](#)! Aalborg Portland was the first host who helped demonstrate the innovative ConsenCUS technology at their plant, and committed to CCUS developments, received a €220 million commitment from the EU Innovation Fund to build and operate a carbon capture plant at their cement plant in Aalborg, Denmark.

[Read more](#)

### ConsenCUS was/will be present at...

- At the recently held [GHG-T](#) in Calgary, ConsenCUS contributions were given by GEUS on the modelling of CO<sub>2</sub>-storage in underground reservoirs.
- 4-7 November 2024: [5th EAGE Global Energy Transition](#) in Rotterdam, Netherlands presentation by BGS.
- 28 November 2024: [LANDMARC's Final Policy Event](#) in Brussels, Belgium presentation by Luciana Mi from Energy Policy Group.
- 30 April 2025: Podcast episode(s) on results of strategic narratives analysis in the 3 demonstration countries by EPG.
- 14-15 May 2025: [End Conference ConsenCUS](#) in Brussels, Belgium.
- 16-19 June 2025: [TCCS Conference](#) in Trondheim, Norway.

### Event in spotlight

On 28 November, ConsenCUS will attend EU CCUS project LANDMARC's Final Policy Event 'The Road to Net Zero: How to Pave the Way for Carbon Farming, Removal, and Capture'. We look forward to sharing our insights. Dr Luciana Miu from the Energy Policy Group will talk more about policy insights at the event and project leader Dirk Koppert from New Energy Coalition will act as an expert in a panel discussion.

[Register now!](#)

### Introducing the partners

In each newsletter, we will introduce a partner who is associated with this research project. This newsletter we introduce GEUS (The National Geological Survey of Denmark and Greenland).

#### GEUS

GEUS is an independent research and advisory institution in the Ministry of Climate, Energy and Supply in Denmark. In addition, GEUS is a partner in Geocentre Denmark and associated with Euro GeoSurveys. GEUS is a geological data centre and carries out surveys, research, consultancy and mapping primarily in Denmark and Greenland. Subjects such as water resources, climate, nature, energy and minerals are in focus at GEUS, which carries out research at an international level, advises authorities and industry, maps the subsoil and resources, and makes data and knowledge available.

[Read more](#)

### Deliverables & other publications

Unlike the other newsletters, we have no new results or publications to share this time. [Click here](#) for a full list of our previous papers.



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