

## Press Release

### CCP PUBLISHES FULL RESULTS FROM FOURTH PROGRAMME PHASE

January 2023: The CCP (CO<sub>2</sub> Capture Project) has published the results of its fourth and final phase of activity in a comprehensive volume entitled *Volume 5: Carbon Dioxide Capture for Storage in Deep Geologic Formations – Results from the CO<sub>2</sub> Capture Project, CCS Technology Development and Demonstration Results (2015-2022)*. This is available exclusively online at [www.co2captureproject.org](http://www.co2captureproject.org) and from IEAGHG at [www.ieaghg.org](http://www.ieaghg.org).

The final phase of CCP aimed to build further depth into the understanding of CO<sub>2</sub> capture solutions for oil and gas scenarios, with a natural gas production scenario added to the scope. The main storage focus was on leakage mitigation testing as well as completion of monitoring trials. Highlights included:

- Carried out pilot testing of novel solvents, adsorbents and membranes
- Completed techno-economic evaluation of range of novel technologies, including molten carbonate fuel cells, membranes, and high-pressure solvent absorption
- Undertook natural gas landscape study of state-of-art technologies
- Partnered in a consortium that developed 3D printing of sorbent capture structures for pre- and post-combustion.
- Completed multi-faceted well sealing experiment at Mont Terri underground lab – with testing of four sealants - plus fluid transmission and fault slippage studies.
- Undertook repeat electromagnetic monitoring survey and borehole microgravity testing at Aquistore, with integration of data.
- Carried out storage studies, including: top seal enhancement/repair; plugged and abandoned well contingencies; EOR as de facto storage; and permeability modifier tests.
- Published a series of keynote CCP policy reports: *Transitioning EOR to storage; Energy transition; Storage regulations*.

CCP Chairman, Tony Espie, commented: “This fourth and final phase of the CO<sub>2</sub> Capture Project saw a broad and varied programme of activity spanning capture, storage, policy and communications. Our thanks go to the dedicated teams from our member companies and all of the partners involved who made it happen.

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“Like everyone, we were confronted with the challenges of COVID-19. This happened quite late on in our programme, and caused delays to the completion of several projects. However, everyone stayed committed throughout and we have been able to deliver a set of results and learnings that will help CCS development in the years to come.”

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### Notes to Editor

The CCP (CO<sub>2</sub> Capture Project) is a group of major energy companies working together to advance the technologies that will underpin the deployment of industrial-scale CO<sub>2</sub> capture and storage (CCS).

Since CCP’s formation in 2000, it has undertaken 150+ projects to increase understanding of the science, economics and engineering applications of carbon capture and storage.

CCP works alongside specialists from industry, technology providers and academia to advance technologies, improve operational approaches and help make CCS a viable option for CO<sub>2</sub> mitigation in the oil and gas industry. CCP has been working closely with government organizations – including the US Department of Energy, European Commission and 60+ academic bodies and global research institutes.

The members of CCP’s fourth phase are BP, Chevron and Petrobras.

For further information on CCP and its projects, visit [www.co2captureproject.org](http://www.co2captureproject.org).

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