

# Carbon Capture Utilization Storage Consortium



Core Lab and the University of Houston have partnered to offer membership in an industry-led consortium to address and understand the challenges associated with geological storage of CO<sub>2</sub>.

## 2025

## Program Scope

### **Reservoir Benchmarking and Desiccation Dynamics**

- Development of an analog database built specifically for CO<sub>2</sub> injection reservoirs to help operators derisk new reservoirs and accelerate reservoir characterization
- Investigation of the controlling factors driving the potential for salt deposition in reservoirs as a result of water evaporation due to flow of large volumes of dry-supercritical CO<sub>2</sub> in the near wellbore area

## Legacy Deliverables

- Evaluation of CO<sub>2</sub> reactivity effects on seal and injection zones with static and dynamic exposure
- Analog data set from Gulf Of Mexico hydrocarbon seals
- Seal Evaluation Toolkit with Capillary Pressure conversions
- Comparison of nitrogen and CO<sub>2</sub> behavior in relative permeability experiments
- University of Houston MMP, CO<sub>2</sub> Properties and CO<sub>2</sub> Solubility Calculators

## Partners

**Dr. Birol Dindoruk**  
**University of Houston**

Core Laboratories is pleased to partner with Dr. Birol Dindoruk, University of Houston, in this consortium. Dr. Dindoruk is a member of the National Academy of Engineering for his contributions in the areas of gas injection and CO<sub>2</sub> storage.

## Members

- Eneos Xplora Inc.
- Chevron U.S.A. Inc.
- EQT Production Company
- BKV dCarbon Ventures, LLC
- Halliburton
- Aethon Energy Operating LLC

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[ps.info@corelab.com](mailto:ps.info@corelab.com)



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