

GoMCarb & SECARB Offshore GoM Annual Joint Partnership Meeting

April 14 – 15, 2021

Eastern Daylight Time

[Zoom Link](#)

April 14	SECARB Offshore GoM Project Updates and Discussion
9:45 AM – 10:00 AM	LOG-IN AND TROUBLESHOOTING
10:00 AM – 10:10 AM	<u>Call to Order and Overview of SECARB Program and Key Accomplishments this Year</u> – Ken Nemeth and Ben Wernette, Southern States Energy Board
10:10 AM – 11:00 AM	<u>Assessment of Leading Practices and Legal and Regulatory Frameworks</u> <ul style="list-style-type: none">• Available and Leading Practices in the Offshore – Brian Hill, Crescent Resources Innovation• Lessons Learned from 25 Years of Offshore CCS Operations: A Legal and Regulatory Analysis – Ingvild Ombudstvedt, IOM Law• Discussion, questions, and next steps
11:00 AM – 11:05 AM	BREAK
11:05 AM – 11:45 AM	<u>Characterization of CO₂ Opportunities Associated with CO₂-EOR and Saline Reservoirs</u> <ul style="list-style-type: none">• Characterization of Offshore CO₂-EOR Resource Potential – Matt Wallace, Advanced Resources International• Screening, Ranking, and Initial Characterization of Potential Storage Opportunities in Louisiana State Offshore Waters – Muhammad Zulqarnain, Louisiana State University• Discussion, questions, and next steps
11:45 AM – 11:50 AM	BREAK
11:50 AM – 12:45 PM	<u>Using Machine Learning to Screen for “Representative” Storage Opportunities</u> <ul style="list-style-type: none">• Geologic Screening Criteria for CO₂ Storage and Enhanced Recovery in Deep-Water Reservoirs of the Mississippi Canyon Area, Central Gulf of Mexico – Jack Pashin, Oklahoma State University and Keith Holdaway, SAS• Exploratory Analysis of Screening Criteria for CO₂ Storage in SECARB Offshore Reservoirs Using SAS Viya – Xitong Hu, Prem Bikina, and Goutom Chakraborty, Oklahoma State University• Discussion, questions, and next steps
12:45 PM – 1:30 PM	LUNCH BREAK

- 1:30 PM – 2:05 PM Technical Parameters that Influence CO₂ Storage
- **Parametric Study to Assess Technical Prospect Feasibility for Offshore CO₂ Storage** – Dave Riestenberg, Anne Oudinot, and Jalal Jalali, Advanced Resources International
 - Discussion, questions, and next steps
- 2:05 PM – 2:55 PM Evaluating Infrastructure Options in the Offshore Environment
- **Enabling CO₂-EOR with Subsea Processing** – Hannah Downie, Aker Solutions
 - **Establishing CCS/CO₂-EOR Infrastructure in the Gulf of Mexico** – Anne Oudinot, Advanced Resources International and Angus Marshall, Pale Blue Dot
 - Discussion, questions, and next steps
- 2:55 PM – 3:00 PM BREAK
- 3:00 PM – 3:50 PM Seismic Hazard Assessment and Earthquake Risk Analysis
- **Evolution of a Hydrate Cold Seep and its Temporal and Spatial Response to Natural Perturbations: Woolsey Mound, Gulf of Mexico** – Camelia Knapp and James Knapp, Oklahoma State University
 - **Predicting the Dynamics of Injection-Induced Fault Slip** – Charlie Schlosser, Virginia Tech
 - Discussion, questions, and next steps
- 3:50 PM – 3:55 PM WRAP-UP AND COMMENTS

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April 15	GoMCarb Project Updates and Discussion
9:45 AM – 10:00 AM	LOG-IN AND TROUBLESHOOTING
10:00 AM – 10:10 AM	<u>Overview of GoMCarb Offshore Program and Key Accomplishments this Year</u> – Susan Hovorka, Gulf Coast Carbon Capture Center (GCCC)
10:10 AM – 11:40 PM	<u>Characterization</u> <ul style="list-style-type: none">• 10:10 AM: Characteristics of the offshore Gulf of Mexico – Alex Bump, GCCC• 10:25 AM: Detailed characterization studies – Ramon Trevino, GCCC• 10:45 AM: Enhanced oil recovery in the Gulf of Mexico – Vanessa Nunez Lopez, GCCC
11:00 AM – 11:05 AM	BREAK <ul style="list-style-type: none">• 11:05 AM: Buoyant trapping – Sean Brennan, USGS• 11:20 AM: Sand pack experiments – Hailun Ni, GCCC
11:40 AM – 12:10 PM	LUNCH BREAK
12:10 PM – 1:15 PM	<u>Risk assessment</u> <ul style="list-style-type: none">• 12:10 PM: Fluid flow modeling – Seyyed Hosseini, GCCC• 12:25 PM: Geomechanical modeling – Josh White, LLNL• 12:40 PM: Water column – Katie Shamberger, GERG• 12:55 PM: Atmospheric dispersion of CO₂ at the sea surface – Curtis Oldenburg, LBNL
1:10 PM – 1:15 PM	BREAK
1:15 PM – 2:05 PM	<u>Monitoring</u> <ul style="list-style-type: none">• 1:15 PM: Update from Lamar University – Daniel Chen and Tracy Benson• 1:30 PM: UHR3D (ultra-high-resolution 3D) seismic – Tip Meckel, GCCC• 1:45 PM: Distributed acoustic sensing (DAS) – Jonathan Ajo-Franklin, Rice University
2:00 PM – 2:05 PM	BREAK
2:05 PM – 2:40 PM	<u>Infrastructure</u> <ul style="list-style-type: none">• 2:05 PM: Update on infrastructure – Darshan Sachde, Trimeric

- **2:25 PM: Subsea well initial work and next steps** – Maria Bulakh, Aker Solutions

2:40 PM – 3:10 PM

Knowledge dissemination

- **2:40 PM: Communications research** – Rachel Lim, OSU
- **2:55 PM: Overview of GoMCarb agency interactions** – Tip Meckel, GCCC

4:00 PM

Private Advisory Committee Meeting