



## GoMCarb & SECARB Offshore GoM Annual Joint Partnership Meeting

**April 14 – 15, 2021**

Eastern Daylight Time

[Zoom Link](#)

<b>April 14</b>	<b>SECARB Offshore GoM Project Updates and Discussion</b>
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"><li>• <b>Available and Leading Practices in the Offshore</b> – Brian Hill, Crescent Resources Innovation</li><li>• <b>Lessons Learned from 25 Years of Offshore CCS Operations: A Legal and Regulatory Analysis</b> – Ingvild Ombudstvedt, IOM Law</li><li>• Discussion, questions, and next steps</li></ul>
11:00 AM – 11:05 AM	BREAK
11:05 AM – 11:45 AM	<u>Characterization of CO<sub>2</sub> Opportunities Associated with CO<sub>2</sub>-EOR and Saline Reservoirs</u> <ul style="list-style-type: none"><li>• <b>Characterization of Offshore CO<sub>2</sub>-EOR Resource Potential</b> – Matt Wallace, Advanced Resources International</li><li>• <b>Screening, Ranking, and Initial Characterization of Potential Storage Opportunities in Louisiana State Offshore Waters</b> – Muhammad Zulqarnain, Louisiana State University</li><li>• Discussion, questions, and next steps</li></ul>
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"><li>• <b>Geologic Screening Criteria for CO<sub>2</sub> Storage and Enhanced Recovery in Deep-Water Reservoirs of the Mississippi Canyon Area, Central Gulf of Mexico</b> – Jack Pashin, Oklahoma State University and Keith Holdaway, SAS</li><li>• <b>Exploratory Analysis of Screening Criteria for CO<sub>2</sub> Storage in SECARB Offshore Reservoirs Using SAS Viya</b> – Xitong Hu, Prem Bikina, and Goutom Chakraborty, Oklahoma State University</li><li>• Discussion, questions, and next steps</li></ul>
12:45 PM – 1:30 PM	LUNCH BREAK

- 1:30 PM – 2:05 PM     Technical Parameters that Influence CO<sub>2</sub> Storage
- **Parametric Study to Assess Technical Prospect Feasibility for Offshore CO<sub>2</sub> 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 CO<sub>2</sub>-EOR with Subsea Processing** – Hannah Downie, Aker Solutions
  - **Establishing CCS/CO<sub>2</sub>-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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<b>April 15</b>	<b>GoMCarb Project Updates and Discussion</b>
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"><li>• <b>10:10 AM: Characteristics of the offshore Gulf of Mexico</b> – Alex Bump, GCCC</li><li>• <b>10:25 AM: Detailed characterization studies</b> – Ramon Trevino, GCCC</li><li>• <b>10:45 AM: Enhanced oil recovery in the Gulf of Mexico</b> – Vanessa Nunez Lopez, GCCC</li></ul>
11:00 AM – 11:05 AM	BREAK <ul style="list-style-type: none"><li>• <b>11:05 AM: Buoyant trapping</b> – Sean Brennan, USGS</li><li>• <b>11:20 AM: Sand pack experiments</b> – Hailun Ni, GCCC</li></ul>
11:40 AM – 12:10 PM	LUNCH BREAK
12:10 PM – 1:15 PM	<u>Risk assessment</u> <ul style="list-style-type: none"><li>• <b>12:10 PM: Fluid flow modeling</b> – Seyyed Hosseini, GCCC</li><li>• <b>12:25 PM: Geomechanical modeling</b> – Josh White, LLNL</li><li>• <b>12:40 PM: Water column</b> – Katie Shamberger, GERG</li><li>• <b>12:55 PM: Atmospheric dispersion of CO<sub>2</sub> at the sea surface</b> – Curtis Oldenburg, LBNL</li></ul>
1:10 PM – 1:15 PM	BREAK
1:15 PM – 2:05 PM	<u>Monitoring</u> <ul style="list-style-type: none"><li>• <b>1:15 PM: Update from Lamar University</b> – Daniel Chen and Tracy Benson</li><li>• <b>1:30 PM: UHR3D (ultra-high-resolution 3D) seismic</b> – Tip Meckel, GCCC</li><li>• <b>1:45 PM: Distributed acoustic sensing (DAS)</b> – Jonathan Ajo-Franklin, Rice University</li></ul>
2:00 PM – 2:05 PM	BREAK
2:05 PM – 2:40 PM	<u>Infrastructure</u> <ul style="list-style-type: none"><li>• <b>2:05 PM: Update on infrastructure</b> – Darshan Sachde, Trimeric</li></ul>



- **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