

**Team Leads** 

Susan D Hovorka, Angela Luciano, Katherine Romanak, Gulf Coast Carbon Center, Bureau of Economic Geology, Jackson School of Geosciences, The University of Texas at Austin (UT)

Jong-won Choi Texas and Jing Bo Louise Lui; A&M University - Kingsville (TAMUK)

Christine Hale, Coral Lozada, Texas A&M University-Corpus Christi (TAMUCC) and the Coastal Bend Council of Governments

Ramanan Krishnamoorti Center for Carbon Management in Energy (CCME) Hobby School for Public Policy, the Energy and Natural Resources Center in the UH Law School and the Gutierrez Energy Management Institute in the Bauer College of Business at the University of Houston (U of H)

Tracy Benson, Dan F. Smith Department of Chemical & Biomolecular Engineering, Lamar University

Mehdi Zeidouni Department of Petroleum Engineering at Louisiana State University, Pre-Engineering STEM Pathway and through the Center for Community Engagement, Learning, and Leadership (CCELL) at Louisiana State University (**LSU**)







- Gulf Coast Carbon Center research on CO<sub>2</sub> storage in deep saline formations since 1998
- The kinds of questions we answer:
  - Where this works?
  - How much CO<sub>2</sub> can you inject?
  - How do you reduce risks and increase benefits?
  - How do we best monitor to be sure all is as it should be?
  - What would happen if something went wrong? E.g. "controlled release" experiments
- Information sharing with public, governments, industries, regulators
  - Time to do more of this with TXLA CMC!





BUREAU OF ECONOMIC GEOLOGY

4





- Information push to diverse groups who need information about CCS Gulf Coast focus
  - Add CCS info to each university's strong existing outreach programs
    - Trusted in-person contacts
  - Make needed outreach materials
  - Enlist formal and informal science and social studies programs as CCS providers
  - Harmonize with project-specific outreach efforts
  - Communication tools: newsletter to social media splashes
  - Maintain global learning
- Gulf Coast CCS "Phone book"
  - Free membership, available to members only
  - Basic contact info and 100 word 'blurb' about what your do
  - To read more about the Phone Book and to join, click this link to our form <u>https://forms.office.com/r/pcbQJqdALu</u>.
- R&D activities at each University across CCS spectrum







## **Carbon-Not**





Activities for young people who want to lean about a low carbon Future Computer game : chose your carbon future CCS comic book

Students in summer 2024 programs visit capture plant at UT, examine a log to see how deep  $CO_2$  is injected, and see Shell refinery from the boat on the way to the Big Thicket



### QUARTERLY NEWSLETTER

Engagement June 2024

Community



### Welcome

related to TXLA CMC.

In this newsletter: Welcome to the second Texas-Louisiana

Carbon Management Community newsletter! We are thrilled to share the latest developments with you and

Community Outreach and Engagement 101



### Economic Geology

Scan or Click to join

provide resources and information share our newsletter with anyone

As we move forward, we plan to send interested in joining the phone book to future newsletters with a targeted theme build connections or they may opt-out and only keep up with TXLA CMC news to fulfill your requests about specific carbon capture and storage (CCS) topics. and events

# **Put-it-back.org**

Educational materials for formal and informal science education

Hands-on demos with  $CO_2$ Fact Sheet hub – inventory the global collection of fact sheets and other accessible information, generate more as needed

**Teacher training:** 

**3 CCS** ambassadors developed materials.

Will share with 80 other science teachers CAST science teacher convention November San Antonio – nominate a teacher to attend!

If you find carbon once storred deep in the earth has be let loose in the atmosphere, we need to catch it and put-it-back





Explaining CCS o RRC staff judge

# How we are planning to get information out

- Phone book to link people and companies
- Newsletter for TXLA CMC
- Continue to provide web resources:
  - www,gulfcoastcarbon.org

```
"Geological and
Economic Variability of a
Carbon Capture and
Sequestration Operation
in the Gulf Coast"
Led by Sue Hovorka L-R:
Leya Bustami, Israel
Garcia, Abeal Ghebrelul,
Jayneel Patel
```



- Student and teacher training this summer
  - Train teachers how to teach students how monitor a storage project summer 2024
  - Host a group of 20 high school seniors to "look under the hood" and see how CCS works (GeoFORCE)
  - Host threecollege student interns
- Working to develop a game exploring options to reach 1.5 degrees



## **Technical Elements**

- TX A&M Kingsville CCS courses at minority-serving university, CO<sub>2</sub>-shale- geomechanical interactions
- Texas A&M Corpus Christi Community Engagement, Coastal Data and stakeholders
- University of Texas at Austin Coordination, CCS courses at minority-serving university, State Geologic Survey information providers, Monitoring CO<sub>2</sub> projects in wetlands
- University of Houston CCS courses at minority-serving university, policy; value chain analysis and employment, course in carbon management
- Lamar University Chemical engineering training to refineries, community outreach
- Louisiana State University CCS courses at minority-serving university, social science and outreach.



## **Thank You!**

Look forward to next two years!

Carbon-not -

for young people



www.put-it-back.org Accessible information Teacher training









