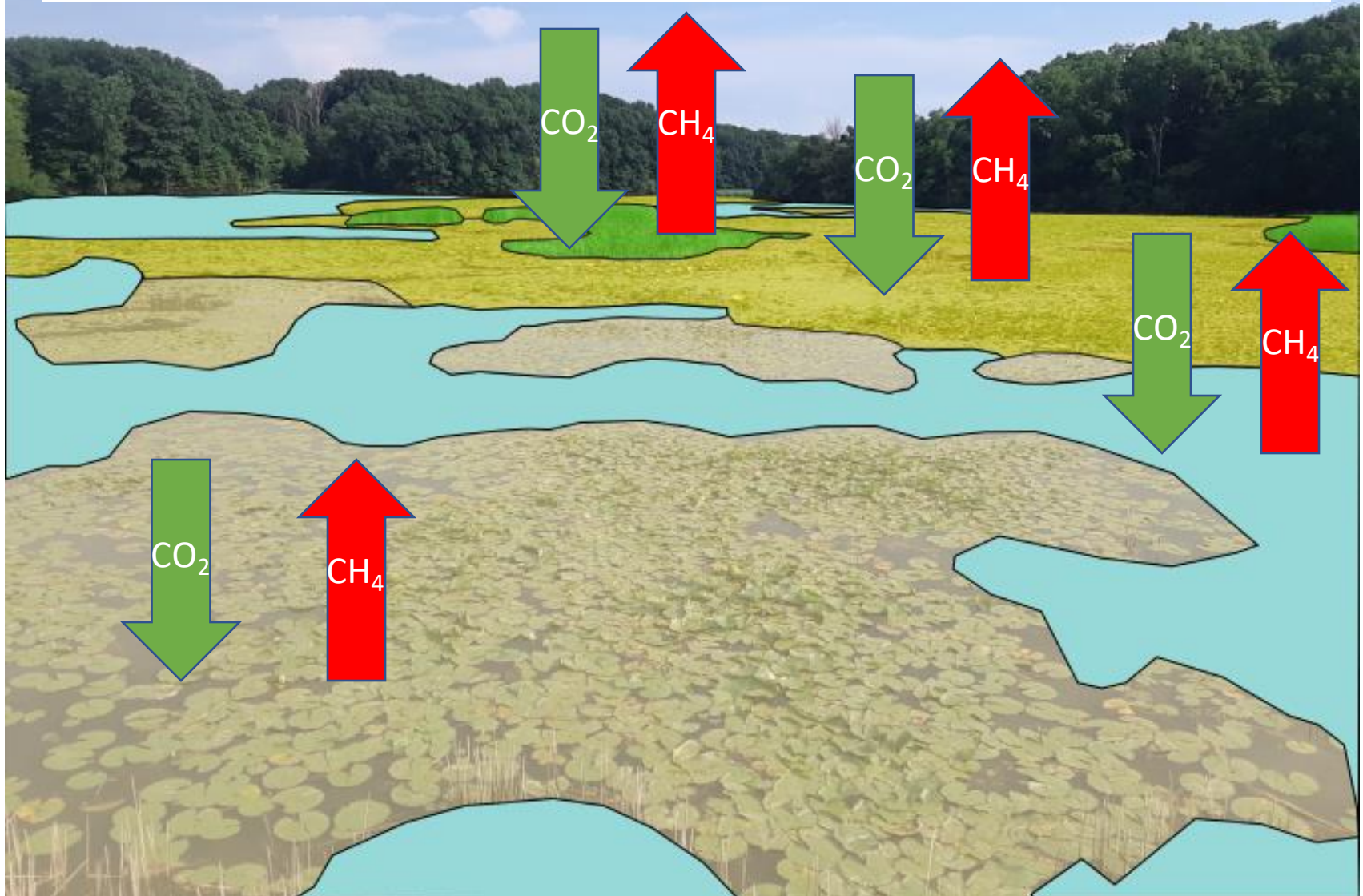


# What is the spatial heterogeneity of C pools and fluxes within wetland ecosystems?



# Ongoing projects

- Technology Innovation & research Exploratory (TIRE) Program 7/2021-6/2022  
**Louisiana Transportation Research Center**  
*“Enhancing the carbon dioxide sequestering capacity of Louisiana highway right of way lands”*  
 PI with Dhan Lord Fortela, Mark Zappi & Sheila Holmes – UL Lafayette
- Terrestrial Ecosystem Science Program 10/2020-9/2022  
**US Department of Energy**  
*“Functional-type modeling approach and data-driven parameterization of methane emissions in wetlands”*  
 Co-PI, with Gil Bohrer (PI) – OSU, Kelly Wrighton – Colorado State U, William Riley – Lawrence Berkeley National Laboratory, Eric Ward – US Geological Service Wetland and Aquatic Research Center.
- Community Science Program (Lab resources grant) 10/2018-9/2021  
**US Department of Energy - Joint Genome Institute**  
*“From genomes to updated biogeochemical models: Targeting critical knowledge gaps in wetland soils”* Co-PI, with Kelly Wrighton (PI) – Colorado State U, Christopher Miller – UC Denver, Timothy Morin – SUNY ESF, Lauren Kinsman-Costello – Kent State U, Matthew Sullivan and Gil Bohrer – OSU.
- Graduate Studentship 9/2021-8/2023  
**RESTORE Act Center of Excellence for Louisiana**  
*“Patch-scale effects of acute saltwater intrusion on carbon fluxes in a simulated coastal freshwater marsh environment”* PI with Diana Taj (Co-PI, GRA).
- Large-Scale EMSL Research Program (Lab resources grant) 10/2021-9/2023  
**US Department of Energy**  
*“Incorporating hydrologic and microbial processes into carbon budgets from coastal wetland soils”*. Co-PI, with Kelly Wrighton (PI) – Colorado State U, Rebecca Daly – Colorado State U, Timothy Morin – SUNY ESF, Eric Ward – USGS WARC, and Gil Bohrer – OSU.

## Opportunities for working collaboratively within ICaWR

Resiliency to global change of natural and human systems in coastal landscapes of Louisiana.



Rescue workers and volunteers travel by boat after Hurricane Harvey. | Scott Olson/Getty Images