



The LSU College of the Coast & Environment (CC&E) conducts a wide range of research that is highly relevant to environmental policy, with projects and faculty expertise spanning regulatory science, risk assessment, climate and energy policy, resilience, and sustainable development.



CC&E’s Recent Research

Visualizing Planning Networks and Policies

Supports planners and local and state policymakers in seeing how isolated local actions affect multi-jurisdictional environmental systems and identifying opportunities for stronger regional coordination.

Guiding Restoration and Land Management Strategies

Conducts research on the environmental impact of energy production, including carbon sequestration, leading to solid, defensible science for decision-making.

Integrating Scientific Research with Community Needs

Integrates environmental and energy policy, social-ecological resilience, and community engagement to promote holistic environmental outcomes.

Shaping Watershed Management & Environmental Regulations

Maps the complex web of watershed regulations and interactions among parishes, demonstrating how policy impacts people and ecosystems.

Investigating Methane Emissions from Coastal Wetlands

Helps policymakers better understand the natural contributions to greenhouse gas mitigation at both state and national levels.

Focusing on Carbon Sequestration and Ecosystem Transitions

Guides coastal restoration policy, climate adaptation planning and the design of nature-based solutions for carbon management.

Translating Science into Practical, Scalable Solutions

Leads carbon capture and utilization initiatives, shaping national strategies for energy transition and sustainability.

