



Hosted at Mote Science Education Aquarium (SEA), 225 University Town Center Drive, Sarasota, FL 34243

Wednesday, Dec. 3, 2025, 8:00 a.m. – 5:00 p.m.

Science Stories from Your Community

Learn about the science and management happening in your communities through compelling, story-driven narratives, designed to help you connect with the environmental conditions in your backyard.

Poster Presentations 8:00 a.m. – 9:00 a.m.

“All Clams On Deck”: Co-Restoration of Seagrass and Hard Clams in Five Estuaries across Southwest Florida, USA

Mallory Sea | Gulf Shellfish Institute

Associations between mangroves & oyster reefs in the Guana Tolomato Matanzas National Estuarine Research Reserve

Nicole D'Arienzo | Grand Valley State University

Caught in the Act: Trends in Depredation from Electronic Monitoring Footage

Katie Harrington | Mote Marine Laboratory

Stakeholder Engagement in the Kristin Jacobs Coral Aquatic Preserve

Stephanie Stinson | Office of Resilience and Coastal Protection-Coral Reef Conservation Program

The Efficacy of Solubilized Curcumin for Mitigation of Alexandrium Species

William Scott | Mote Marine Laboratory and Aquarium

Exposing the Mysteries of Biscayne Bay: What Continuous Monitoring Reveals That Periodic Sampling Misses

Tristan Clute | Florida Department of Environmental Protection, Office of Resilience and Coastal Protection, Biscayne Bay Aquatic Preserve

Habitat Characterization for Juvenile Common Snook and Red Drum in Tampa Bay

Mathias T. Cramer | Florida Fish and Wildlife Conservation Commission

Enhancing SEACAR's Impact: A Comprehensive Stakeholder Engagement and Science Communication Initiative for Coastal and Resilience in Florida is funded in part by a grant from the NOAA Coastal Zone Management Program, under the Coastal Zone Management Act of 1972, as amended.

Importance of Water Quality Sampling in Kristin Jacobs Coral Aquatic Preserve

Lara Bracci | Department of Environmental Protections Coral Reef Conservation Program

Large-Scale Mapping, Local-Scale Meaning: integrating satellite and in-situ observations to monitor seagrass extent

Ana Carolina Peralta | University of South Florida

Measuring Dead, Buried Oyster Shells Can Help Fill Historical Data Gaps

Stephen R. Durham | Florida Department of Environmental Protection

Mitigating Florida Red Tide (*Karenia brevis*) with Common Household Spices: An Eco-Friendly Approach

Devin Burris | Mote Marine Laboratory

Red Tide Demise – How Close are We to Red Tide Mitigation?

Cynthia A. Heil | Mote Marine Laboratory

SEACAR Promotes Data-Driven Coastal Habitat Management

Cheryl P. Clark | Coastal Projects Manager | Florida Department of Environmental Protection

The Seagrass Integrated Mapping and Monitoring (SIMM) Program

Lauren Brisley | Florida Fish and Wildlife Conservation Commission, Fish and Wildlife Research Institute

Oral Presentations 9:00 a.m. – 5:00 p.m.

Overview

SEACAR: The Power and Importance of Collaboration at the Multihabitat Level

Cheryl P. Clark | Coastal Projects Manager | Florida Department of Environmental Protection



Keynote Speaker

Rob Modys | Master Captain, host of the Catch You Outdoors podcast, and former host of ESPN's Reel Talk Radio

Coastal Wetlands

Restoration of tidal flow to a “mangrove heart attack” in Oleta River State Park

Kara Radabaugh | Research Scientist | Florida Fish and Wildlife Conservation Commission

Mangrove mortality and recovery after Hurricane Ian

Casey Craig | Assistant Research Scientist | Florida Fish and Wildlife Conservation Commission

Oyster Reef

Tracking change in eastern oyster (*Crassostrea virginica*) reef characteristics within the Guana Tolomato Matanzas National Estuarine Research Reserve

Hans Prevost | Head Biologist | Florida Department of Environmental Protection, Guana Tolomato Matanzas National Estuarine Research Reserve

SEACAR Frontiers: Supporting Data-Driven Management Planning

Tyler Hill | Environmental Specialist III | Florida Department of Environmental Protection

Using science to prioritize oyster reef restoration projects

Eric Milbrandt | Marine Laboratory Director | Marine Laboratory, Sanibel Captiva Conservation Foundation

Better Together: How Co-Production Can Help Resource Managers Access Novel Sources of Actionable Information

Gregory P. Dietl | Curator of Cenozoic Invertebrates | Paleontological Research Institution; Cornell University

Water Column

Understanding and communicating the impacts of the 2021 Piney Point wastewater discharge into Tampa Bay

Ed Sherwood | Executive Director | Tampa Bay Estuary Program

Overview of the State's Water Quality Monitoring Program in the Florida Keys National Marine Sanctuary and Aquatic Preserves; with an Emphasis on Technology

Genevieve Schave | Water Quality Protection Program Coordinator | Florida Department of Environmental Protection, Florida Sea Grant

The Forage Fish Research Program: Facilitating ecosystem-based research, promoting young scientists, and supporting natural resource management.

Justin Grubich | Officer, U.S. Conservation | The Pew Charitable Trusts

Bridging the Gap Between Fisheries Science and Stakeholders: The Evolution of FWC's Fisheries Independent Monitoring (FIM) Program

Eric Weather | Research Administrator | Florida Fish and Wildlife Conservation Commission

Submerged Aquatic Vegetation

From Report to Recovery: Understanding Seagrass Response to an Urchin Grazing Event

Katherine Suchanec | Habitat Specialist | Florida Department of Environmental Protection, Big Bend Seagrasses Aquatic Preserves

Diving Through the Meadows: Exploring Seagrass Resilience and Recovery in Biscayne Bay

Veronica Lopez | Spatial Ecology Coordinator | Florida Department of Environmental Protection, Biscayne Bay Aquatic Preserve

Using Data and Community Input to Plan for a Future of Thriving Seagrasses in Big Bend

Adrian Laufer | CEO | Sea & Shore Solutions