UF CENTER FOR COASTAL SOLUTIONS

AT A GLANCE

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The **Center for Coastal Solutions (CCS)** in the Herbert Wertheim College of Engineering develops and delivers the best available science and technology for use by decision makers to improve water quality, restore ecosystems and build coastal resilience.

CCS uses artificial intelligence (AI), algorithms and analytics to bolster groundbreaking research and accelerate development of integrated solutions to support unbiased, cost-effective decisions.

CCS approaches its work with a collaborative mindset, engaging the communities, clients and partners it serves to identify needs, customize data-driven solutions and scale impacts.

The center's team of trans-disciplinary experts is building a leap-ahead *decision support system* to help ensure the future livability of coastal waters, ecosystems and communities in Florida and around the world.

RESEARCH AREAS

- Nature-Based Solutions for Coastal Resilience
- AI Tools to Optimize Water Quality Infrastructure Investments
- Watershed-Ocean Models for Improving Water Quality

INNOVATIVE TOOLS

- Septic to Sewer Conversion Optimizer
- Land Conservation Optimizer
- Water Quality Trends and Drivers

PARTNERSHIPS

Academic Institutions

Environmental NGOs

Foundations / Donors

Government Agencies

Private Sector

TOP 5 UF

TOP PUBLIC UNIVERSITY

U.S. NEWS & WORLD REPORT 2022

FACTS & FIGURES

$23M FUNDING

15 RESEARCH PROJECTS

30 PARTNERS & SPONSORS

120+ PEER-REVIEWED PUBLICATIONS

THE CCS APPROACH

INVESTIGATE

Advancing the science to diagnose root causes of water quality hazards across watersheds, riverine and coastal systems.

INNOVATE

Developing integrated tools, models and approaches for water quality improvements and coastal restoration and resilience.

INFORM

Providing customized, data-driven and optimized solutions to decision-makers to predict and prevent hazards, and plan for an uncertain future.