

**CHRISTINE ANGELINI, PH.D.**

CCS DIRECTOR AND PROFESSOR,
DEPARTMENT OF ENVIRONMENTAL
ENGINEERING SCIENCES

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
Florida's Digital Twin
Optimizing Water Quality Solutions
Forecasting Coastal Hazards

INNOVATIVE TOOLS

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

PARTNERSHIPS

Academic Institutions
Environmental NGOs
Foundations/Donors
Government Agencies
Private Sector

#4

PUBLIC UNIVERSITY

FORBES, 2024

FACTS & FIGURES

\$27M

FUNDING

32

RESEARCH PROJECTS

51

PARTNERS &
SPONSORS

140+

PEER-REVIEWED
PUBLICATIONS

THE APPROACH



INVESTIGATE

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



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.