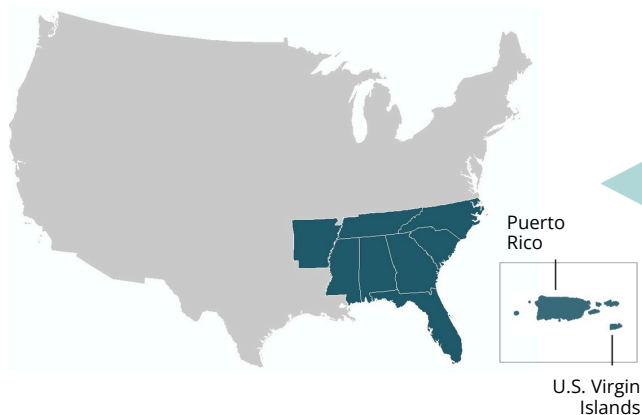




SOUTHEAST
Climate Adaptation Science Center

NORTH CAROLINA



Southeast CASC Consortium Institutions

Host: North Carolina State University

Consortium:

Auburn University	University of South Carolina
Duke University	University of Puerto Rico
Savannah State University	University of Tennessee
United South & Eastern Tribes	University of Virgin Islands
University of Arkansas	

OUR WORK IN NORTH CAROLINA

64
Projects
Since
2010

Key Science Topics



Wildlife & Plants



Freshwater



Wetlands



Sea-Level Rise & Coasts



Tools for Managers



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Preserving Historic Structures in National Parks

The Southeast CASC worked with the National Park Service, State Historic Preservation Office, and local community partners to develop a decision support framework for Cape Lookout buildings that can be applied to other national parks' structures.

WHAT:

Sea level rise, erosion, and storms threaten our nation's cultural heritage and landmarks. This project ensured that climate change adaptation decisions are transparent and informed by the people whose heritages are tied to those resources.

RESULTS:

The Optimal Preservation (OptiPres) Model incorporates factors like vulnerability, available funding, cultural significance, and use potential to help managers make strategic decisions about which cultural resources to prioritize for adaptation.

IMPACT:

The OptiPres Model is being considered by other coastal parks across the Southeast. This project enhances community partner and National Park Service managers' understanding of the complex tradeoffs that need to be made when protecting cultural resources in the face of climate change.



Supporting the Next Generation

Global change creates complex and interrelated problems that require team solutions. Our program builds team-orientated future scientists who are able to work alongside diverse partners to create useful and used science.

WHAT:

The program provides scientific & professional development and financial support to graduate students that research global change issues. Along with climate science, these cohorts are trained in team science, facilitation, and communication.

RESULTS:

Since 2011, 128 fellows across several disciplines have worked together to discover, collaborate, and share knowledge with partners and stakeholders.

IMPACT:

The program prepares the next generation to better meet adaptation challenges by providing close interaction with state, federal, Tribal, and NGO partners through real-life experiences.