



NExUS Ongoing Projects and Activities Thu Jul 19 19:02:29 EDT 2018

Name	Assessing the Impacts of Climate Variability on Water Quality Conditions and Vibrio in North Carolina and South Carolina Estuaries
Description	This project integrates the investigators' work on watersheds, coastal adaptation, and drought and will investigate human health threats posed by the marine bacterium Vibrio in shellfish. The spread of Vibrio is believed to be associated with changing temperature and salinity conditions. Models in North and South Carolina will be developed to monitor and assess the potential for increased exposure to Vibrio bacterial hazards in the southeastern U.S. coastal water under changing salinity trends. Potential human health impacts make this work of value to both North and South Carolina Shellfish programs.
Category	- Climate-change Specific Projects - Monitoring
Sector	- Public Health and Safety
Focus Area	- Sustainability of Marine Ecosystems - Coasts and Climate Resilience (including sea-level rise)
Region	- Regional Or State -- South East
Status	- Ongoing
Lead Agencies	NOAA Carolinas Integrated Sciences and Assessments (CISA)
Contacts	Dan Tufford, University of South Carolina, tufford@sc.edu, Geoff Scott, NOAA National Centers for Coastal Ocean Science, geoff.scott@noaa.gov, Janet Moore, NOAA's Center for Coastal Environmental Health and Biomolecular Research, Janet.moore@noaa.gov