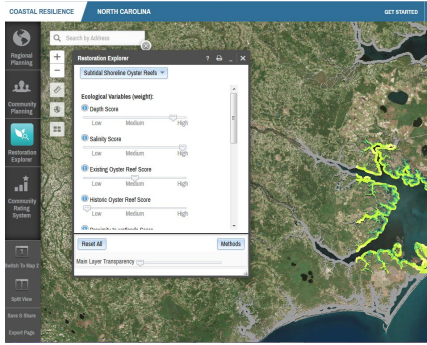


Tools

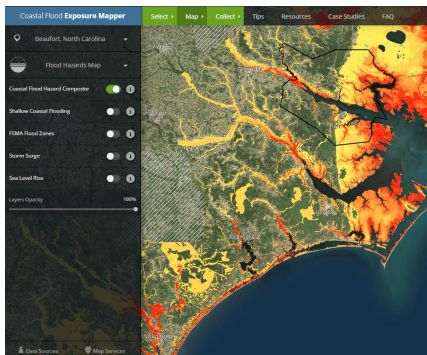
Check out these tools on display during the evening program on April 4, at the N.C. Museum of Natural Sciences:



Coastal Resilience Tool — The Nature Conservancy

Coastal Resilience is a program led by The Nature Conservancy to examine nature's role in reducing coastal flood risk. The program consists of an approach, a web mapping tool, and a network of practitioners around the world supporting hazard mitigation and climate adaptation planning. The plugin architecture customizes the tools to the local scale, catering to the local needs of stakeholders and policy frameworks. In North Carolina, the map tool has two unique applications: 1. Restoration Explorer that helps coastal managers identify and map areas most suitable for oyster reef restoration, and 2. the Community Rating System Explorer (CRS Explorer) that helps planners identify areas that are eligible for Open Space Preservation credits in FEMA's Community Rating System.

Lora Eddy, lora.eddy@tnc.org, 252-441-2525, maps.coastalresilience.org



Coastal Flood Exposure Mapper — NOAA's Office for Coastal Management

The Coastal Flood Exposure Mapper, developed by NOAA's Office for Coastal Management, is an online visualization tool that supports communities that are assessing their coastal hazard risks and vulnerabilities. This easy-to-use tool enables communities to collect maps showing people, places and natural resources exposed to coastal flooding. Maps collected can be downloaded, saved and shared with community members to communicate flood exposure and potential impacts. In addition, the tool provides guidance for using these maps to engage community members and stakeholders. The current geography includes the East Coast and Gulf of Mexico with expansion underway for the Pacific and Caribbean islands and territories.

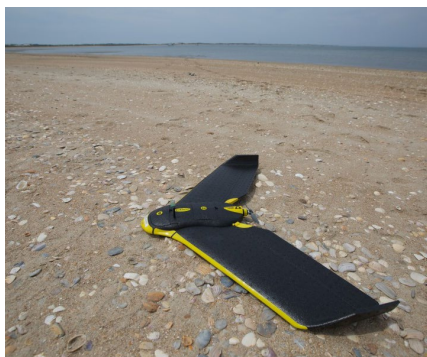
Adam Bode, adam.bode@noaa.gov, 843-740-1265, coast.noaa.gov/floodexposure



The Scientific Research and Education Network — SciREN

SciREN connects scientist with educators in order to foster the dissemination of current research and enhance the science literacy of youth. SciREN researchers make classroom-ready exercises that appeal to educators using North Carolina standards. The lessons are showcased at networking events held at informal science education institutions.

Debbie Lichti, lichtid12@students.ecu.edu, 765-427-8299, thesciREN.org



Drones in Marine Science and Conservation — Duke University Marine Lab

The Marine Robotics and Remote Sensing (MaRRS) Lab at Duke University Marine Lab is using state-of-the-art multiplatform unmanned aircraft to advance marine conservation practices. Collaborating with a variety of conservation agencies and research institutions, the MaRRS Lab is helping address a broad spectrum of issues from marine mammal monitoring to coastal resiliency.

David Johnston, david.johnston@duke.edu, 252-504-7593
superpod.ml.duke.edu/uas