# NETWORK FOR ENGINEERING WITH NATURE
## PROJECT FACT SHEET

# ANALYZING NATURAL FEATURE PERFORMANCE DURING DISASTERS

Significant hurricanes such as Katrina in 2005 and Harvey in 2016 revealed important disparities in how communities recover from extreme events. Although natural infrastructures may provide as much protection as conventional infrastructure, methods for objectively assessing the performance of natural features under hurricane conditions are not well established.

## OBJECTIVE

We aim to document current practices for disaster monitoring and retrospectively analyze the performance of natural infrastructures during past storms in order to improve approaches for evaluating natural and nature-based features before and after future storm events.

## APPROACH

We will hold a workshop for interested stakeholders, survey partner organizations, and review information available via public websites and published documents to understand current monitoring practices, identify case studies, and analyze the performance of natural features during past disasters.

## DELIVERABLES

We will develop a white paper summarizing our key findings and suggestions for improvement. We also plan to integrate our findings into a GIS layer that will allow users to identify projects with active monitoring programs.

## CONTACT

**Marshall Sheperd, University of Georgia, marshgeo@uga.edu**

**Safra Altman, U.S. Army Corps of Engineers, safra.altman@usace.army.mil**

UNIVERSITY OF GEORGIA
Institute for Resilient Infrastructure Systems

US Army Corps of Engineers.

EWN
Engineering With Nature