



CENTER FOR
COASTAL & CLIMATE
SCIENCE & RESILIENCE

SERVES TO:

- ✓ Support research in coastal and climate sciences and promote access to the best available science for decision makers
- ✓ Increase coastal community resilience to natural hazards and adaptation to climate change
- ✓ Improve conservation and management of coastal resources

RESULTING IN:

Resilient coastal communities that are better prepared for the impacts of natural hazards and climate change



SIGNATURE PROJECTS

HAWAI'I CLIMATE ADAPTATION INITIATIVE

Hawai'i Sea Grant is supporting the development of

**HAWAI'I'S FIRST SEA-LEVEL RISE
VULNERABILITY AND ADAPTATION REPORT**

which will be released in

DECEMBER 2017

As sea-level rise accelerates and climate and ocean conditions change, it is becoming **INCREASINGLY IMPORTANT** for island communities to develop policies and implement strategies that *reduce vulnerability* and *increase resilience* to natural hazards.



HAWAIIAN ISLANDS SENTINEL SITE COOPERATIVE

Bringing together *science*, *management*, and *technology* to help communities adapt to climate change.

BUILDING RESILIENCE TO COASTAL
HAZARDS AND CLIMATE CHANGE IN HAWAI'I

To help increase resilience and understanding of impacts from sea-level rise, Hawai'i Sea Grant is completing:

- A web-based Hazard Exposure and Vulnerability Mapping Tool
- Guidelines for Integrating Coastal Resilience into Existing Planning Frameworks
- Guidelines and Training for Post-Disaster Rebuilding and Recovery

HAWAI'I AND PACIFIC ISLANDS KING TIDES PROJECT



SEA LEVEL HAS RISEN OVER THE LAST CENTURY ON EACH ISLAND AT RATES VARYING FROM **0.5-1.3 INCHES PER DECADE**



Members of the general public, or "citizen scientists," contribute photographs documenting the impact of King Tides on coastal resources and infrastructure.