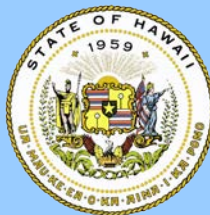


Hawai'i Climate Adaptation Initiative Act (Act 83, 2014)



- “Climate change is the paramount challenge of this century.”
- Address the effects of climate change to protect the State’s economy, environment, and way of life.
- Establishes an **Interagency Climate Adaptation Committee (ICAC)**
- Initial focus of this act is to develop a **Sea Level Rise Vulnerability and Adaptation Report for Hawai‘i**
- Authorizes the Office of Planning to coordinate development of a **Statewide Climate Adaptation Plan**

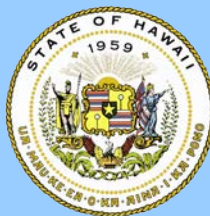


State of Hawaii
Office of Planning

Hawai'i Sea Level Rise Vulnerability and Adaptation Report (Act 83)



- Compiling the best science on climate change and sea-level rise.
- Projecting and modeling hazards exposure related to sea level rise.
- Assessing vulnerabilities to hazards related to sea level rise.
- Making recommendations for improving resilience to hazards.
- Providing a framework for further climate adaption planning.



State of Hawaii
Office of Planning

Hawai'i Climate Adaptation Portal: climateadaptation.hawaii.org

Browser window showing the Hawai'i Climate Adaptation Portal website.

URL: climateadaptation.hawaii.org

Navigation menu: Home, Climate Science, Climate Adaptation, Hawaii Initiatives, Archives, Resources

Search bar: Search this site

Logo: Hawai'i Climate Adaptation Portal

Text size: Smaller | Reset | Larger

Stay Connected

ICAC Handbook

Information Brief

Next Meeting: May 10

Contact Info

The Paris Agreement

SEA LEVEL RISE VULNERABILITY & ADAPTATION WORKSHOP

ADMIT ONE

FEB 11 2016

THUR 9 AM TO

UH MĀNOA CAMPUS C

REGISTRATION FOR SEA LEVEL RISE VULNERABILITY & ADAPTATION WORKSHOP

Read More

PILI NA MEA A PAU

All things are related

In 2014, the Hawai'i State Legislature declared, through the passage of the [Hawai'i Climate Adaptation Initiative Act \(Act 83, Session](#)

Quarterly ICAC Meetings



[ICAC, Sept. 22, 2015-Part 1](#) from [Hawaii DLNR](#) on [Vimeo](#).



ICAC Members (Act 83):

- BLNR Chair (ICAC Co-Chair)
- OP Director (ICAC Co-Chair)
- Relevant Leg. Committee Chairs
- DBEDT Chair
- HTA Chair
- BOA Chair
- OHA CEO
- Hawaiian Homes Comm. Chair
- DOT Director
- DOH Director
- Board of Ed. Chair
- County Planning Dept. Directors
- CZM Manager



State of Hawaii, Office of Planning

[Home](#) » [February 2016 Workshop](#)

FEBRUARY 2016 WORKSHOP

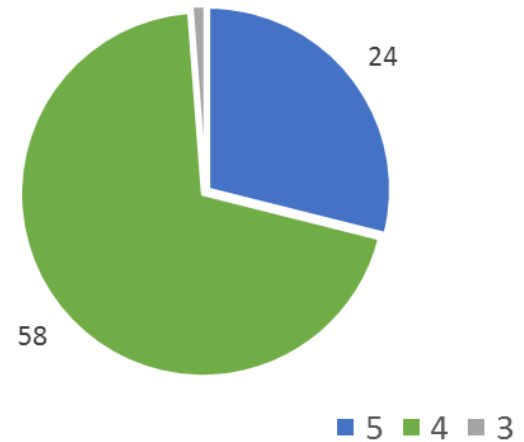
February 11, 2016

Hawai'i Sea Level Rise Vulnerability & Adaptation Workshop

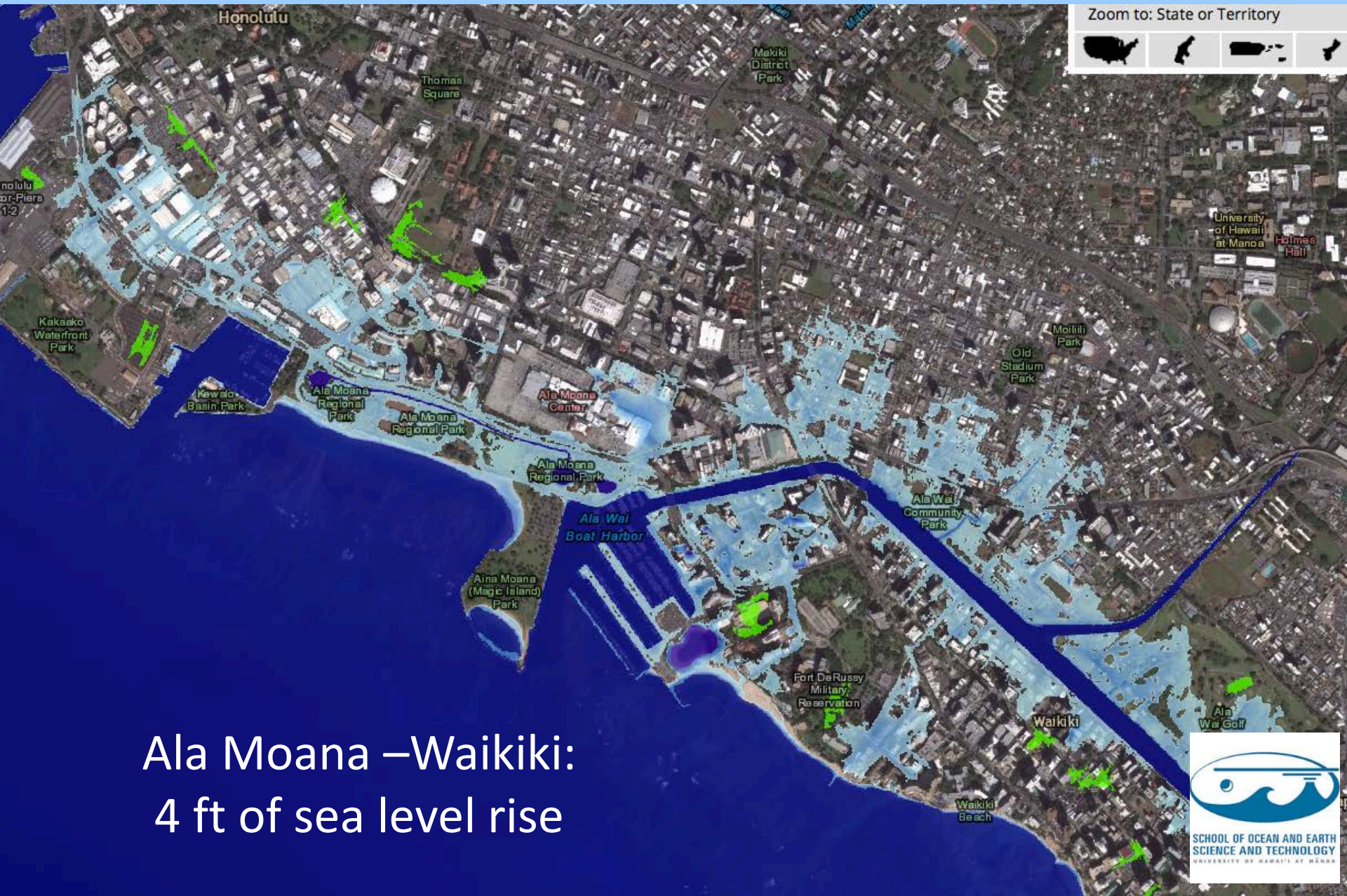
The Department of Land and Natural Resources, along with their partners, the Office of Earth Science and Technology, and the University of Hawai'i Sea Grant, held the first ever Workshop. The workshop provided an overview of the latest climate and sea level rise science and Adaptation Initiative. In addition, the workshop gave an update regarding the progress of the Report that is being prepared in coordination with the Interagency Climate Adaptation Group. The workshop recommended actions to address risks from sea level rise.

On a scale of 1 to 5 with 5 being the best, what is your rating of the workshop?

Rating	Percentage
5	24%
4	58%
3	18%



Modelling Future SLR Flooding

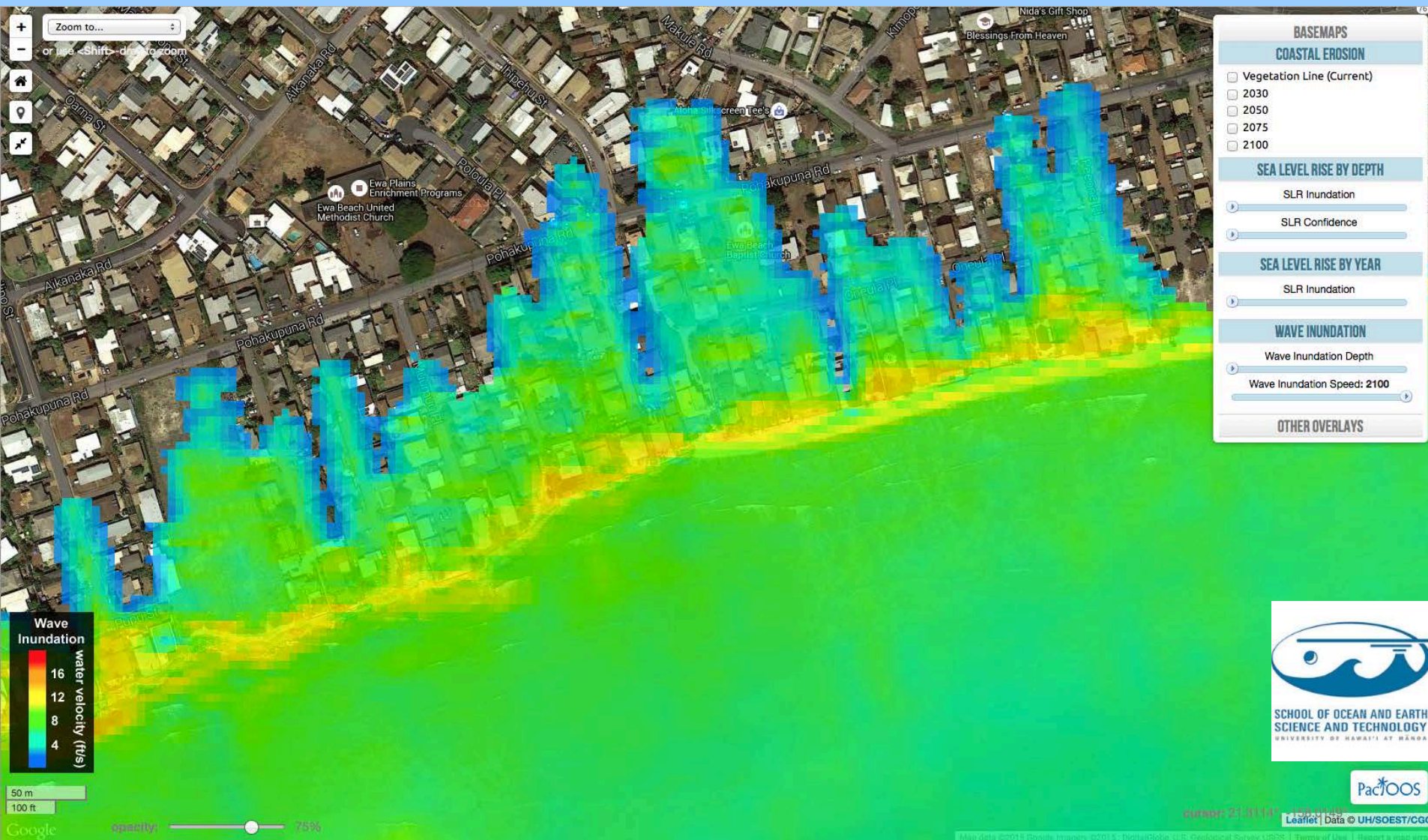


Ala Moana –Waikiki:
4 ft of sea level rise

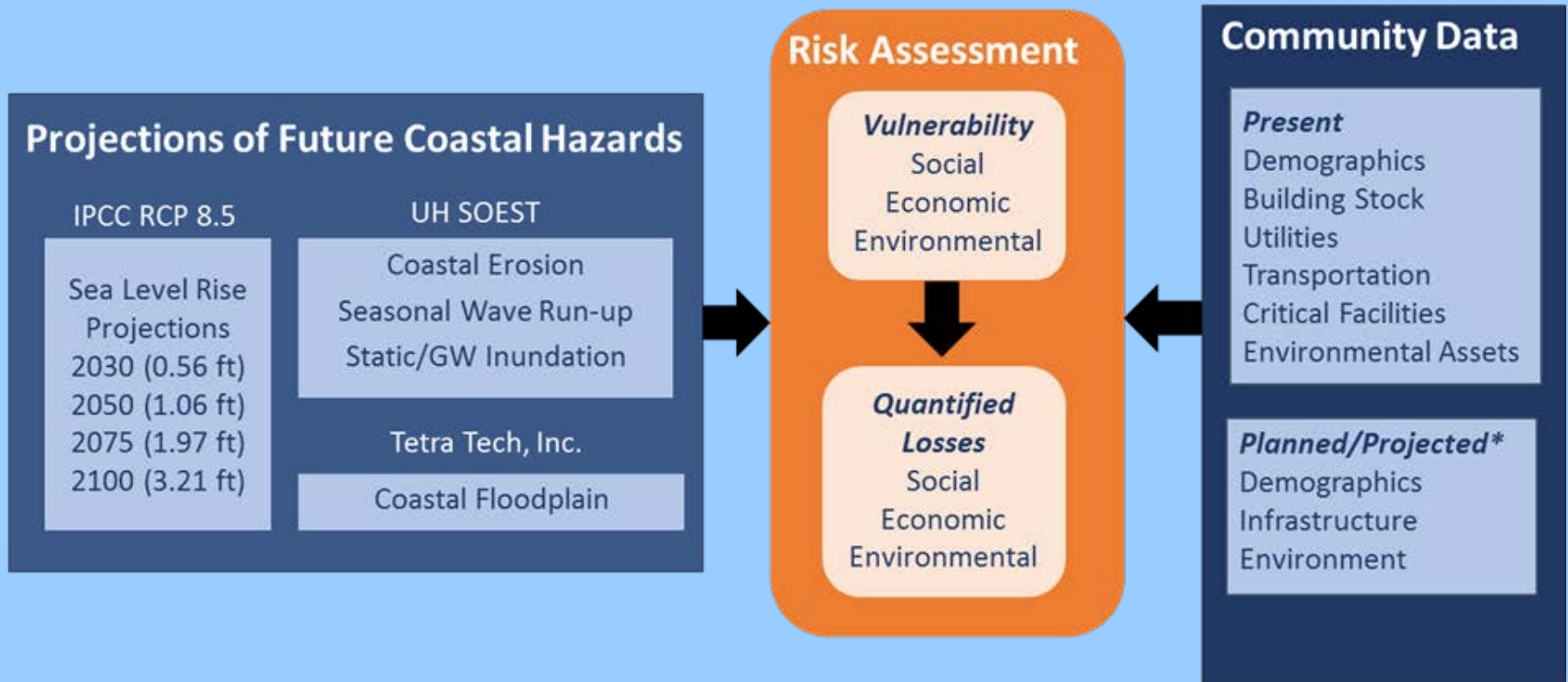
Modelling Future Erosion Hazards



Modelling Future Wave Overtopping (annual high wave event + 3 ft of SLR)



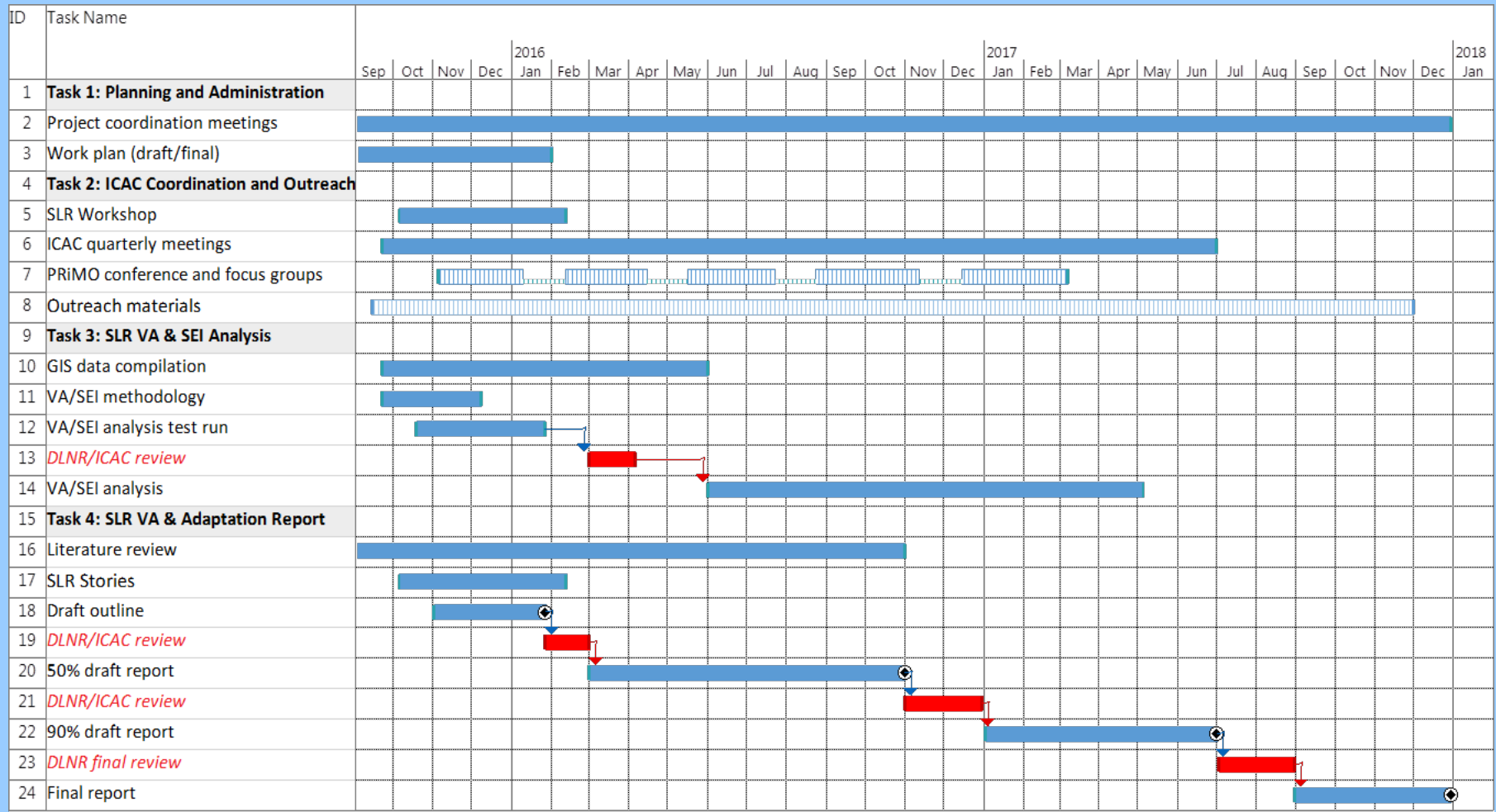
Sea Level Rise Hazard Exposure and Vulnerability Assessment



Reporting Scales and Sectors

COASTAL HAZARDS	TIME				SCALE	SECTORS
	2030	2050	2075	2100		
	SLR/GW Inundation					
	Coastal Erosion					
	Seasonal Waves					
	100-year Coastal Floodplain					

Timeline, next steps





Building Resilience to Coastal Hazards and Climate Change in Hawai'i

Bradley Romine, Extension Faculty, Hawai'i Sea Grant

Darren Lerner, Director, Hawai'i Sea Grant

Tara Owens, Extension Faculty, Hawai'i Sea Grant

Sam Lemmo, Administrator, Hawai'i DLNR Office of Conservation and Coastal Lands

Leo Asuncion, Director, Hawai'i State Office of Planning



Funding from: NOAA NOS
FY16 Regional Coastal
Resilience Grants Program



Building Resilience to Coastal Hazards and Climate Change in Hawai'i

- Developed in partnership between UH Sea Grant, DLNR, OP
- \$845,000 from NOAA Regional Coastal Resilience Grants Program
- Leveraging State Climate Adaptation Initiative funds (cost match)
- 3-year project: May, 2016 – April, 2019



Building Resilience to Coastal Hazards and Climate Change in Hawai'i

Overarching Goal:

Increase community resilience to coastal hazards, climate change, and sea level rise in Hawai'i



Building Resilience to Coastal Hazards and Climate Change in Hawai'i

Enhancing ongoing planning efforts under:

- The *Hawai'i Climate Adaptation Initiative* (Act 83, 2014):
 - *Interagency Climate Adaptation Committee (ICAC)*
 - *Sea Level Rise Vulnerability and Adaption Report (Hawai'i SLR Report)*
- The *Hawai'i State Planning Act*:
 - *Climate Change Adaptation Priority Guidelines* (HRS § 226-109);
- and other existing plans and policies.

Sub-Project 1: Web-based Hazard Exposure and Vulnerability Mapping Tool

Sub-project goal:

Build community resilience by providing access to critical hazard exposure data to support planning and sound, science-based decision-making.

Sub-project objectives:

1. Provide data visualization supporting the *Hawai'i SLR Report*
2. Develop a high-resolution sea level rise hazard assessment tool



Sub-Project 2: Guidelines for Integrating Coastal Resilience into Existing Planning Frameworks

Sub-project goal:

Increase the number of state and county plans and policies that address risks from coastal hazards, climate change, and sea level rise.

Sub-project objectives:

- Identify gaps and opportunities for integrating coastal resilience into current planning frameworks
- Develop implementation guidance for Hawaii's *Climate Adaptation Priority Guidelines* and the *Hawaii SLR Report*



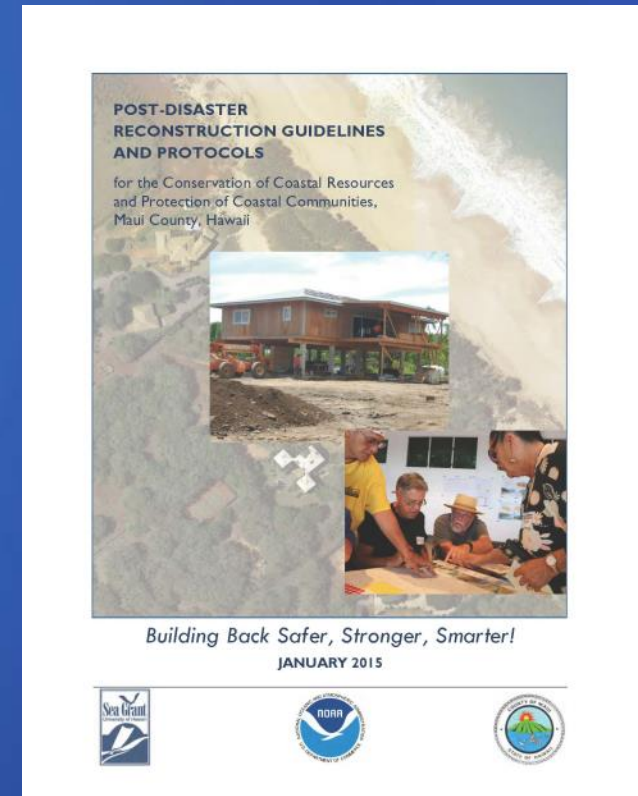
Sub-Project 3: Guidelines and Training for Post-Disaster Rebuilding and Recovery

Sub-project goal:

Increase the capacity of coastal communities in Hawai'i to **“bounce back” and rebuild safer, stronger, and smarter** after a coastal disaster.

Sub-project objectives:

- Balancing permitting and recovery speed while protecting environmental resources
- Increase resilience to future hazards through the recovery process
- Conducting post-disaster recovery and resilience workshops and training courses
- Guidance document for implementing resilience-focused post-disaster recovery practices into existing plans and policies





Mahalo!

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808-587-0049

climateadaptation.hawaii.org



Funding from: NOAA NOS
FY16 Regional Coastal
Resilience Grants Program