

NOAA's National Centers for Coastal Ocean Science

Deliver ecosystem science solutions to sustain thriving coastal communities and economies

Trevor Meckley, Trevor.Meckley@Noaa.gov, Effects of Sea Level Rise Program (ESLR)



Marine Spatial Ecology



Stressor Impact and Mitigation

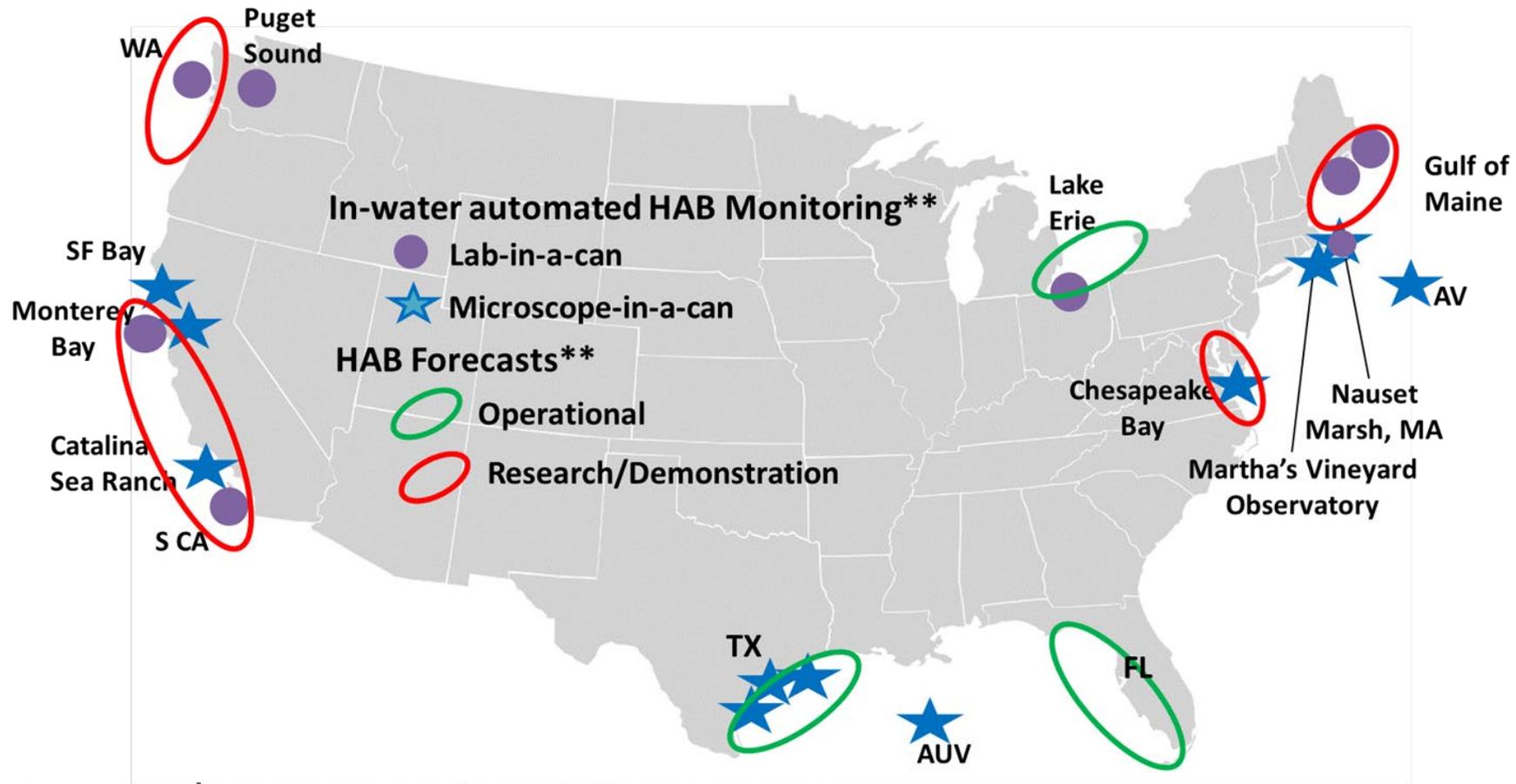


Coastal Change



Social Science

HAB Monitoring and Forecasting: A National Need



*Funded by NOAA and NASA, EPA, USGS, NSF, ONR

**Currently supported by research funding

The Integrated Ocean Observing System and many others are key to this work

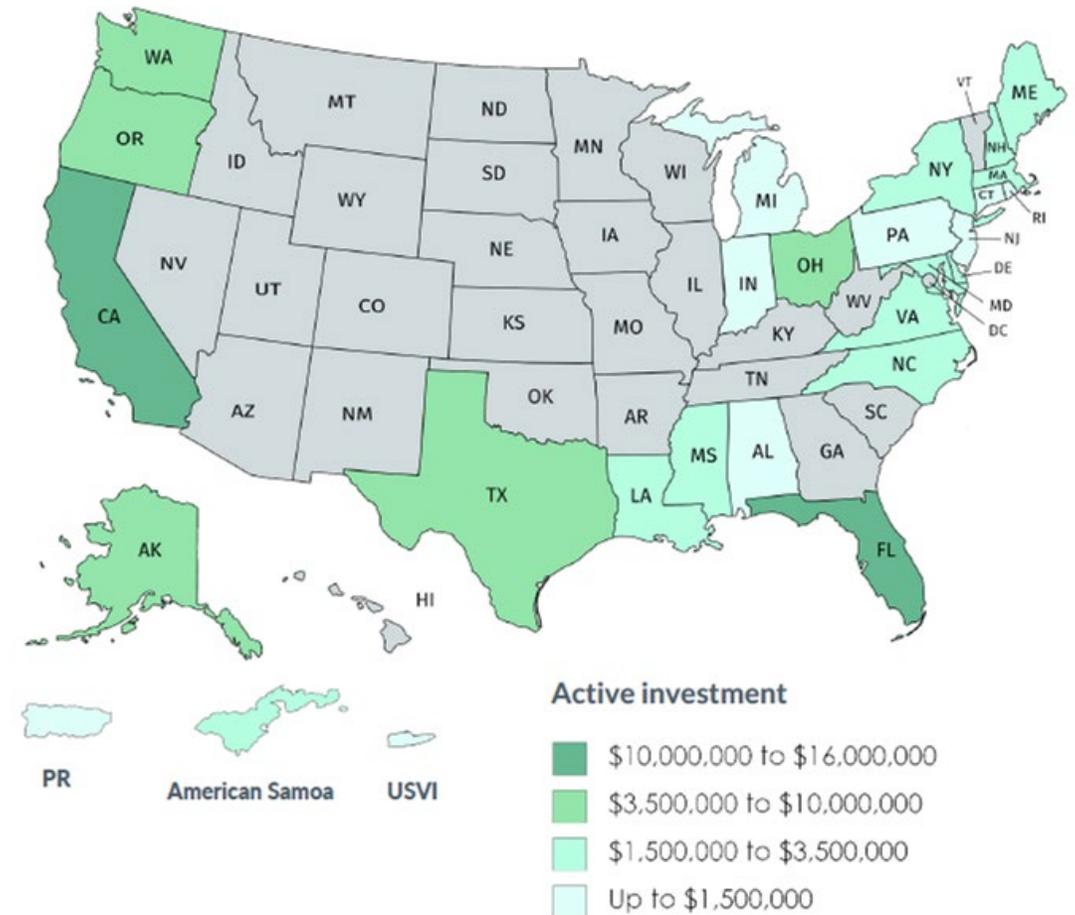
NCCOS Competitive Research

- HAB funding opportunities will open in September of 2021.
- The Effects of Sea Level Rise (ESLR) Program is evaluating proposals at this time

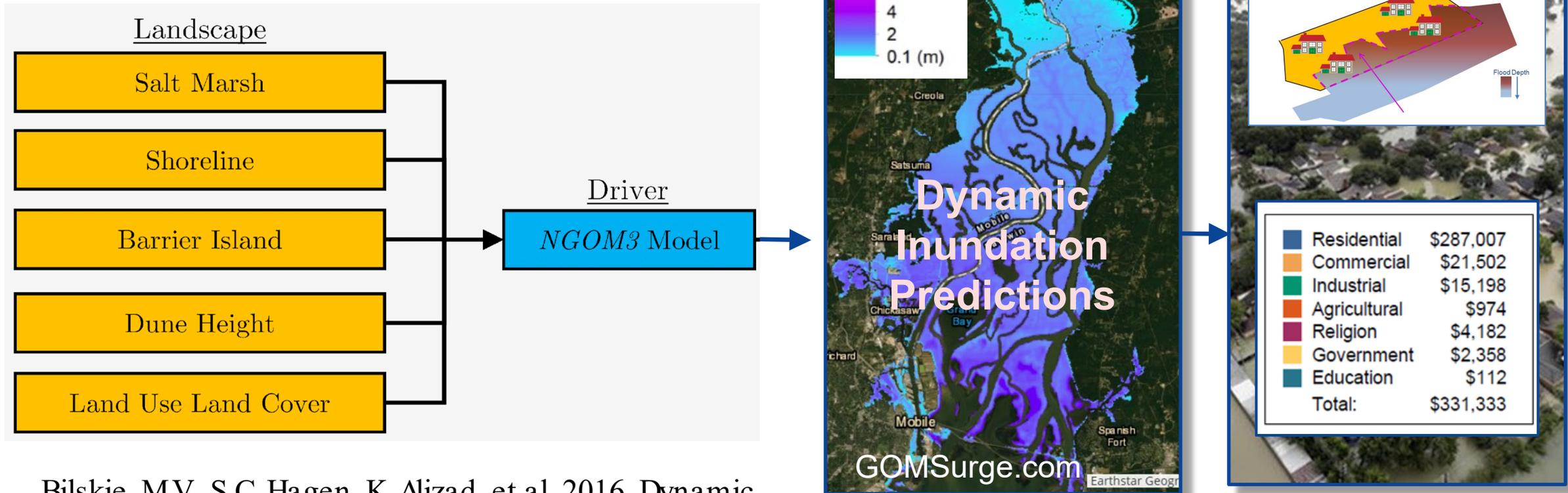
CRP active investment ¹

371 Principal Investigators **83** Projects

153 Partnering Institutions



Storm Surge and Sea Level Rise in the Gulf of Mexico



Bilskie, M.V., S.C. Hagen, K. Alizad, et al. 2016. Dynamic simulation and numerical analysis of hurricane storm surge under sea level Earth's Future, 4(5):177-193.

Cost of Inundation