Pacific Islands Climate Science Center

presents **the Pacific Climate Science Webinar Series**

Empirical projection of future shoreline position due to sea level rise

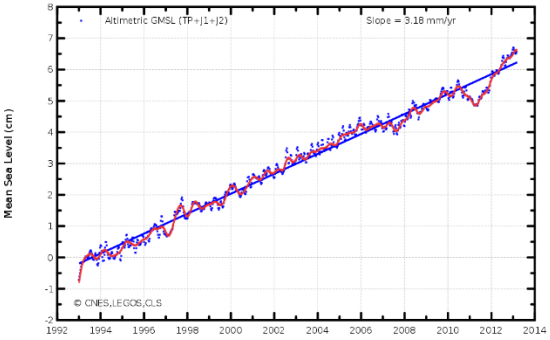
with **Chip Fletcher** ***and*** **Tiffany Anderson**

School of Ocean and Earth Science and Technology, Coastal Geology Group, University of Hawai'i at Mānoa

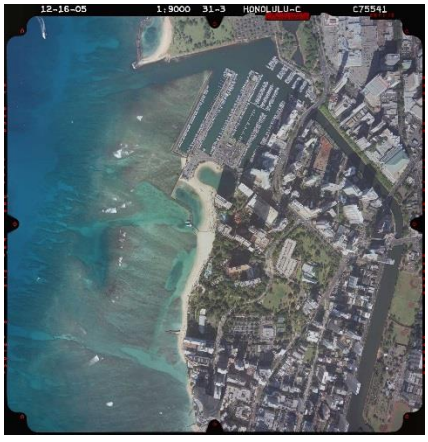
Wednesday, September 14 at 11:00 HST

[2 PM PDT/ 5 PM EDT/ 9 PM UTC/ Sept 15, 7:00 AM ChST]

In Cooperation with the Department of Land and Natural Resources



Mapping of historical shoreline change and vulnerability to flooding due to sea level rise improves our understanding of shoreline variability and climate change. This project goal was to use historical shoreline change data to identify the influence of sediment supply and rising sea level on shoreline stability. By combining a conventional engineering model with historical shoreline change, a hybrid model was developed under assumed scenarios of sea level rise. This model integrates historical shoreline trends with future model-based projections. Shoreline accretion and erosion potential projections are important outcomes of this work. Using data maps produced for this project, decision-makers will be able to prioritize beach conservation efforts, identify potential future impacts on infrastructure, and improve the decision process as a means for adaptation to climate change.



Webinar and Call-in Information for PICSC Webinar

Date: Wednesday, September 14, 2016
Time: 11:00 am, Hawaii Time (Honolulu, GMT-10:00)
Meeting Number: 715 474 987, no password required

When it is time to attend the meeting, please visit this link:
https://usgs.webex.com/usgs/j.php?MTID=meba256dd26944f865135b55c41eac9fe
To hear the speaker, you must call the teleconference: (703) 648-4848 plus 71487# when prompted