

# UHH Pacific Islands Climate Science Center

*presents*

## Impact of fresh groundwater on calcification conditions in coastal Hawai'i

with **Steve Colbert**

*Department of Marine Science, University of Hawai'i-Hilo*

**Tuesday, March 15 at 12:00 HST\***

Come to UHH **Campus Center Room 306**

*OR*

View it online via the [UHH LiveStream](#) (YouTube channel)



The formation of calcium carbonate (calcification) by coral and other organisms is fundamental to the structure and biodiversity of reefs. Ocean acidification, driven by increased carbon dioxide in the atmosphere, alters the chemistry of the seawater, reducing coral calcification, growth, and reproduction. Steve Colbert's team investigated how differences in a reef's location can affect its vulnerability to ocean acidification in several bays on Hawai'i Island. An analysis of USGS coastal groundwater data for Hawai'i predicts some locations may have alkaline groundwater that can buffer seawater from acidification and should be studied as potential refuges.

**Join us as Steve Colbert dives into his research on the health of Hawai'i's coral reefs and what the future may hold for one of our most treasured natural resources.**

\*[2PM PST/ 5PM EST/ 10PM UTC/ March 16, 8AM ChST]

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