



WOODS HOLE
OCEANOGRAPHIC
INSTITUTION

2023 Geodynamics Seminar

Assessing the Role of Coral Reefs in Coastal Hazard Risk Reduction from the Scale of Kilometers to Centimeters



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USGS California

Thursday, March 23, 2023
1:30 – 2:30 P.M.

VIRTUAL

Coral reefs are effective natural barriers that protect adjacent coastal communities from hazards such as erosion and storm-induced flooding. However, the degradation of coral reefs compromises their efficacy to protect against these hazards, making degraded reefs a target for restoration. At present, there is little guidance on how and where to restore coral reefs for coastal hazard risk reduction. Here I present modeling we have done at a series of scales to provide such guidance.