

Pacific Islands Climate Science Center

presents the Pacific Climate Science Webinar Series

Assessing the sustainability of culturally important marine sites in Guam and the Commonwealth of the Northern Marianas Islands (CNMI)

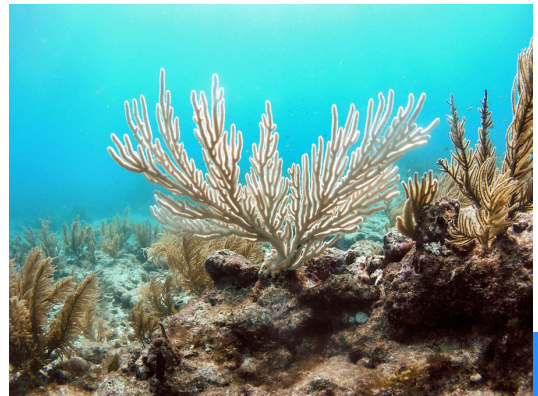
with Jeffrey Maynard
SymbioSeas/Marine Applied Research Center

Wednesday, July 12 at 12:00 pm HST
[3 pm PDT/6 pm EDT/11 pm UTC/July 13, 8 am ChST]

Increasingly frequent severe coral bleaching is among the greatest threats to coral reefs posed by climate change. Global Climate Models project that the timing of annual severe bleaching conditions (ASB), which mark when reefs will likely struggle to recover from bleaching, will vary greatly in different locations. However, the resolutions of previous model projections are too coarse (over 100 km x 100 km pixels) to help local island managers to plan their conservation efforts.

To meet this need for higher-resolution projections, the project team, including Ruben van Hooidonk (NOAA AOML/University of Miami) and Laurie Raymundo (University of Guam Marine Lab), generated statistically downscaled projections (4-km resolution) for all coral reefs areas. These projections reveal significant variation in ASB timing at the local scale, from more than 10 years to more than 30 years difference in timing across areas from 87 countries. Maynard will review these results, with emphasis on Pacific Basin locations, during the webinar.

The team also generated climate impact summaries for Guam and CNMI that describe the downscaled coral bleaching projections, temperature history, projected sea level rise, and ocean acidification. These summaries were used to inform discussions with natural resource manager colleagues in Guam and CNMI to raise awareness of impacts and to ensure that up-to-date climate impact information is used in future decision-making.



Webinar and Call-in information for PI-CSC Webinar

Date: Wednesday, July 12, 2017

Time: 12:00 pm, Hawaii Time (Honolulu, GMT – 10:00)

When it is time to attend the meeting, please visit this link:

<https://usgs.webex.com/usgs/j.php?MTID=mefd7f98eae7a24894e27bede31246d88>

To hear the speaker, you must call the teleconference: +1 (703) 648 – 4848 plus 71487# when prompted

