Projects and ActivitiesThu Mar 28 20:24:29 HST 2024

Name	Synergistic Impacts of Global Warming and Ocean Acidification on Coral Reefs
Capability Area: Variability/Changes	- Understanding Climate Variability and Change - Research/Development - Projections (modeling and downscaling)
ECV	- Surface (e.g., SST, SSH, salinity, ocean color) - Sub-surface (e.g., temp, salinity, nutrients, carbon, phytoplankton)
Timeframe	- Multi-decadal (scenarios)
Capability Area: Impacts/Adaptations	- Understanding Climate Impacts and Informing Adaptation - Climate Impacts - Projections (modeling and downscaling) - Climate Adaptation - Policies and Legislation
Sectors	- Ecosystems
Status	- Ongoing
Focus Area	- Marine and Terrestrial Ecosystems
Regions	- Central North Pacific - Western North Pacific - South Pacific - Pacific Basin
Description	This project develops equations describing changes in coral growth rates in response to increased temperature and ocean acidification. These data are necessary for developing and refining models evaluating the future impact of climate change on Pacific coral reef communities. Results will help define appropriate management responses and prioritize interventions at the most vulnerable sites.
Lead Agencies	UH/HIMB
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Partnering Agencies	PICCC
Projected Timelines	2011-2013