



Projects and Activities Mon Jun 18 05:47:50 HST 2018

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| Name | Combatting Coral Bleaching and Ocean Acidification |
| Capability Area: Variability/Changes | - Understanding Climate Variability and Change - Research/Development |
| ECV | - Sub-surface (e.g., temp, salinity, nutrients, carbon, phytoplankton) |
| Status | - Ongoing |
| Focus Area | - Marine and Terrestrial Ecosystems |
| Regions | - South Pacific - American Samoa |
| Description | Management techniques that prevent bleaching of limited reef areas are the only direct interventions known that might reduce coral mortality due to climate change. This project explores methods to cool areas of coral reef and test bleaching recovery methods on coral reefs in American Samoa. This study will measure efficacy and scalability of this technology for potential future tests and use in a deployable or installed system. Additionally, it will monitor nearby bleaching levels and validate NOAA's predictive bleaching model. |
| Lead Agencies | The Climate Foundation, American Samoa DMWR |
| Contacts | Brian Von Herzen, brian@climatefoundation.org |
| Partnering Agencies | PICCC |
| Projected Timelines | 2010-2013 |