



Projects and Activities Tue Jan 16 14:52:38 HST 2018

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| <b>Name</b>                          | High Resolution Climate Model for Hawaii   |
| Capability Area: Variability/Changes | - Understanding Climate Variability and Change<br>- Projections (modeling and downscaling)   |
| ECV                                  | - Surface (e.g., temp, precip, wind)   |
| Timeframe                            | - Multi-decadal (scenarios)  |
| Status                               | - Ongoing  |
| Focus Area                           | - Fresh Water Resources and Drought<br>- Coastal Inundation/Sea Level Rise, Extreme Weather, and Community Resilience<br>- Marine and Terrestrial Ecosystems   |
| Regions                              | - Central North Pacific<br>- State Of Hawaii   |
| Description                          | This project is developing a regional dynamical model with high resolution over islands at a scale that is ecologically relevant to management of natural and cultural resources. This will enable direct estimation of future climate at conservation sites, inform species distribution modeling, and species and site management planning. The model will be useful for high islands in Mariana Islands, Samoa, and Micronesia as well as Hawaii. |
| Lead Agencies                        | IPRC, UH/SOEST, Pacific RISA   |
| Contacts                             | Kevin Hamilton, kph@hawaii.edu   |
| Partnering Agencies                  | PICCC  |
| Projected Timelines                  | 2010-2013  |