Projects and ActivitiesThu Mar 28 01:40:12 HST 2024

| Name | Asia Pacific Mangrove Monitoring |
|---|---|
| Capability Area: Variability/Changes | - Understanding Climate Variability and Change<br>- Research/Development |
| ECV | - Surface (e.g., SST, SSH, salinity, ocean color)<br>- (e.g., surface water, glaciers and ice caps, land cover, biomass) |
| Status | - Ongoing |
| Focus Area | - Coastal Inundation/Sea Level Rise, Extreme Weather, and Community Resilience<br>- Marine and Terrestrial Ecosystems |
| Regions | - Western North Pacific<br>- South Pacific |
| Description | We are working with various Pacific Island nations to identify the ecological attributes of mangroves that may be more resilient to sea level rise. This involves a Pacific-wide rod surface accretion table (RSET) network that quantifies the rate at which mangroves are rising or falling in relation to sea level rise. This information is also being used to help secure C credits, which can be used to restore of conserve these valuable ecosystems. We are also quantifying accretion rates using naturally occurring 210Pb and 137Cs. RSETs have already been installed in Kosrae, Pohnpei, and Palau. |
| Lead Agencies | USDA/FS/PSW |
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| Partnering Agencies | PICCC |
| Projected Timelines | 2009-2012 |