Data and Products Thu Mar 28 08:21:58 HST 2024

| Name | Pacific Climate Change Science Program and Pacific-Australia Climate Change Science and Adaptation Planning Program (PCCSP) |
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| Capability Area | - Understanding Climate Variability and Change<br>- Understanding Climate Impacts and Informing Adaptation |
| Focus Area | - Fresh Water Resources and Drought<br>- Coastal Inundation/Sea Level Rise, Extreme Weather, and Community Resilience<br>- Marine and Terrestrial Ecosystems |
| Regions | - Western North Pacific<br>- FSM<br>- Palau<br>- RMI<br>- South Pacific<br>- Australia<br>- Cook Islands<br>- Fiji<br>- Kiribati<br>- PNG<br>- Samoa<br>- Solomon Islands<br>- Tonga<br>- Tuvalu<br>- Vanuatu<br>- Other South Pacific |
| Data/Physical | - Data - Physical<br>- In-situ Observations<br>- Satellite-Remote Observations<br>- Model Results<br>- Atmospheric (e.g., Air Temperature, Rainfall, Wind Speed and Direction)<br>- Oceanic (e.g., Water Temperature, Salinity, Acidity, Sea Level, Wave Height)<br>- Terrestrial (e.g., Groundwater, Soil Moisture) |

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| Products/Physical | - Products - Physical<br>- Hindcasts (climatologies)<br>- Outloooks (monthly to annual)<br>- Impacts<br>- Drought<br>- Flooding/Inundation<br>- Eroison<br>- Bleaching<br>- Spatial Scale<br>- Region/Nation<br>- Location/Site<br>- Time Scale<br>- Past<br>- Current<br>- Future<br>- Methodology<br>- Obs/In-situ<br>- Obs/Remote<br>- Model/Statistical<br>- Model/Dynamical<br>- Projections (intrannual to multi-decadal)<br>- Guidance, including “Best Practices” Manuals, Toolkits, and Guides<br>- Applications, including Visualization and Decision Support Tools<br>- Atmospheric (e.g., Air Temperature, Rainfall, Wind Speed and Direction)<br>- Oceanic (e.g., Water Temperature, Salinity, Acidity, Sea Level, Wave Height)<br>- Terrestrial (e.g., Groundwater, Soil Moisture) |
| Sectors | - Fresh Water Resources<br>- Energy<br>- Transportation/Communication and Commerce<br>- Community Planning and Development<br>- Agriculture and Fisheries<br>- Recreation and Tourism<br>- Ecosystems |

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| Description | The PCCSP and the PACCSAP science activities aim to improve the scientific understanding of past and future climate in the region to effectively inform adaptation. The research covers - past climate change and seasonal predictions, climate variability and large-scale climate features, climate projections and oceans. The research is complemented with a comprehensive capacity building program and science communication products and activities. |
| Url | www.pacificclimatechangescience.org |
| Lead Agencies | BOM, CISRO |
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