PACIFIC CLIMATE INFORMATION SYSTEM

Data and Products Thu Mar 28 08:36:01 HST 2024

Name	SimCLIM (SimCLIM)
Capability Area	- Understanding Climate Variability and Change - Understanding Climate Impacts and Informing Adaptation
Focus Area	- Fresh Water Resources and Drought - Coastal Inundation/Sea Level Rise, Extreme Weather, and Community Resilience - Marine and Terrestrial Ecosystems
Regions	- Central North Pacific - Western North Pacific - South Pacific - Pacific Basin - Global
Data/Physical	- Data - Physical - In-situ Observations - Satellite-Remote Observations - Model Results - Atmospheric (e.g., Air Temperature, Rainfall, Wind Speed and Direction) - Oceanic (e.g., Water Temperature, Salinity, Acidity, Sea Level, Wave Height) - Terrestrial (e.g., Groundwater, Soil Moisture)
Products/Physical	- Products - Physical - Projections (intrannual to multi-decadal) - Atmospheric (e.g., Air Temperature, Rainfall, Wind Speed and Direction) - Oceanic (e.g., Water Temperature, Salinity, Acidity, Sea Level, Wave Height) - Terrestrial (e.g., Groundwater, Soil Moisture)
Non Physical	- Data, Products, and Tools - Non-physical - Biological - Socio-economic - Cultural

Sectors	- Public Health and Safety - Fresh Water Resources - Energy - Transportation/Communication and Commerce - Community Planning and Development - Social and Cultural Resources - Agriculture and Fisheries - Recreation and Tourism - Ecosystems
Description	SimCLIM is a flexible software package that links data and models in order to simulate the impacts of climatic variations and change, including extreme climatic events, on sectors such as agriculture, health, coasts or water resources. SimCLIM is a user-friendly, open-framework system that can be customized and maintained by users. It contains tools for importing and analyzing both spatial and time-series data. For generating scenarios of future climate and sea-level changes, SimCLIM uses a pattern scaling method that involves the use of spatial data from complex atmosphere-ocean general circulation models together with projections of global-mean climate changes.
Url	http://www.climsystems.com/simclim/
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