Data and Products Thu Mar 28 05:53:50 HST 2024

Name	Seasonal Climate Outlooks in Pacific Island Countries (SCOPIC)
Capability Area	- Understanding Climate Variability and Change
Focus Area	- Fresh Water Resources and Drought
Regions	- South Pacific - Cook Islands - Fiji - Kiribati - PNG - Samoa - Solomon Islands - Tonga - Tuvalu - Vanuatu - Other South Pacific
Products/Physical	- Outloooks (monthly to annual) - Impacts - Drought - Flooding/Inundation - Spatial Scale - Location/Site - Time Scale - Future - Methodology - Model/Statistical - Applications, including Visualization and Decision Support Tools - Atmospheric (e.g., Air Temperature, Rainfall, Wind Speed and Direction)
Sectors	- Fresh Water Resources - Community Planning and Development - Agriculture and Fisheries - Ecosystems

Description	SCOPIC is a decision support system for generating probabilistic predictions (seasonal climate outlooks) for rainfall, temperature or other climate related parameters. SCOPIC was developed to provide Pacific Island nations with a standalone PC version of the Commonwealth Bureau of Meteorology's operational seasonal climate prediction system. Based on historical data, the system uses a statistical method called linear discriminant analysis. Forecast probabilities of the variable we're interested in (called the predictand), e.g. rainfall, are generated via historical relationships with different predictors.
Url	http://www.bom.gov.au/cosppac/comp/scopic/
Lead Agencies	BOM/COSPPac/COMP
Contacts	Amanda Amjadali, a.amjadali@bom.gov.au