

Data and Products Fri Apr 19 20:22:51 HST 2024

Name	Seasonal Climate Outlooks in Pacific Island Countries (SCOPIIC)
Capability Area	- Understanding Climate Variability and Change
Focus Area	- Fresh Water Resources and Drought
Regions	<ul style="list-style-type: none"> <li>- South Pacific</li> <li>- Cook Islands</li> <li>- Fiji</li> <li>- Kiribati</li> <li>- PNG</li> <li>- Samoa</li> <li>- Solomon Islands</li> <li>- Tonga</li> <li>- Tuvalu</li> <li>- Vanuatu</li> <li>- Other South Pacific</li> </ul>
Products/Physical	<ul style="list-style-type: none"> <li>- Outlooks (monthly to annual)</li> <li>- Impacts</li> <li>- Drought</li> <li>- Flooding/Inundation</li> <li>- Spatial Scale</li> <li>- Location/Site</li> <li>- Time Scale</li> <li>- Future</li> <li>- Methodology</li> <li>- Model/Statistical</li> <li>- Applications, including Visualization and Decision Support Tools</li> <li>- Atmospheric (e.g., Air Temperature, Rainfall, Wind Speed and Direction)</li> </ul>
Sectors	<ul style="list-style-type: none"> <li>- Fresh Water Resources</li> <li>- Community Planning and Development</li> <li>- Agriculture and Fisheries</li> <li>- Ecosystems</li> </ul>

Description	<p>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.</p>
Url	<a href="http://www.bom.gov.au/cosppac/comp/scopic/">http://www.bom.gov.au/cosppac/comp/scopic/</a>
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