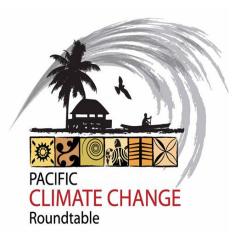


Weather and Climate Information for Adaptation

(Ofa Fa'anunu, Director of Meteorology, Tonga)







Tonga Drought 2014/15

Food sold in Vila Market after Severe TC PAM (Cat 5) Jan 2015 **RMI King Tides 2014**



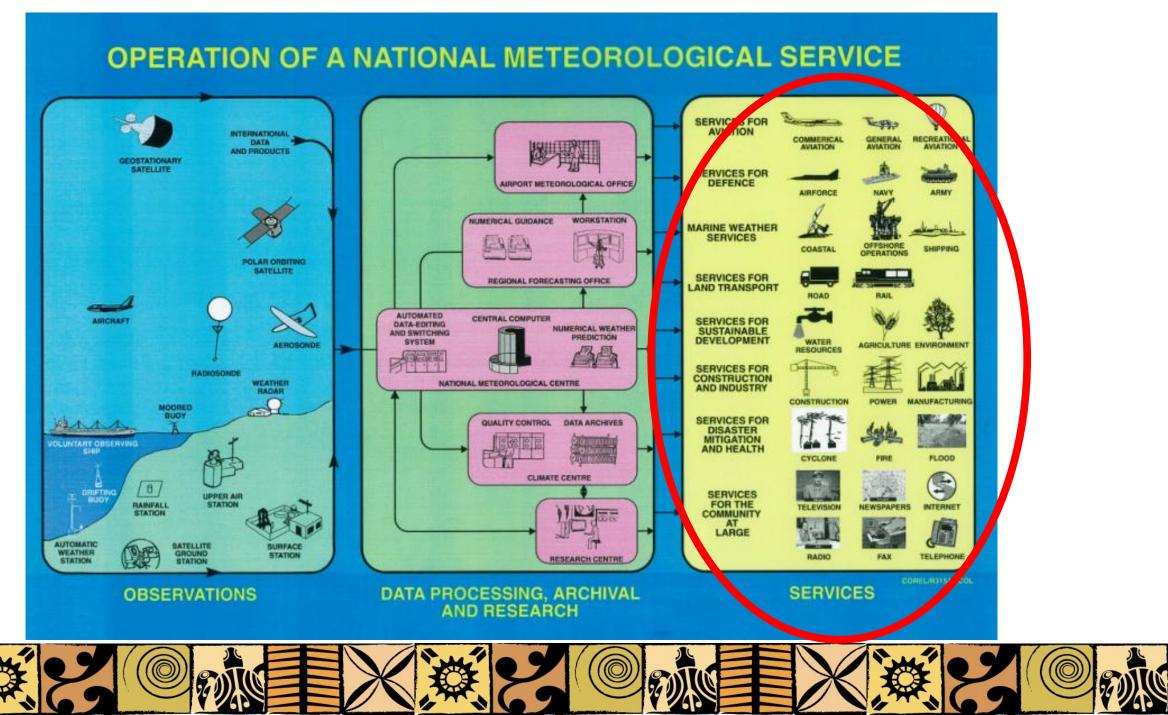
Role of a National Meteorological Service

- To provide advise on the state of the atmosphere and oceans to inform development and to save lives and property.....

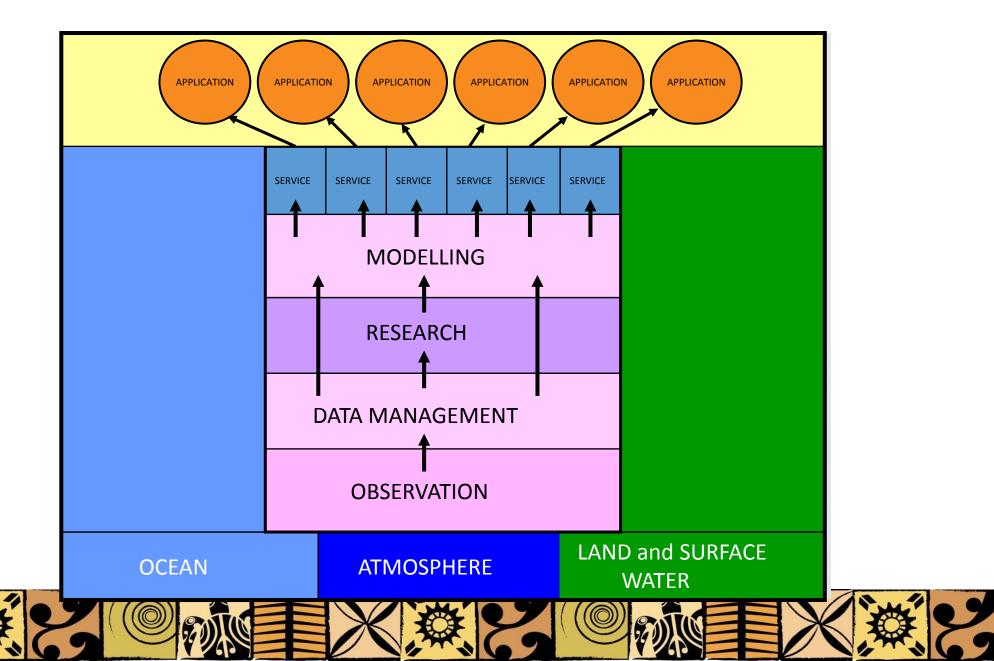
Time scales

Now → Hours → Weeks → Months → Years → Decades → Centuries

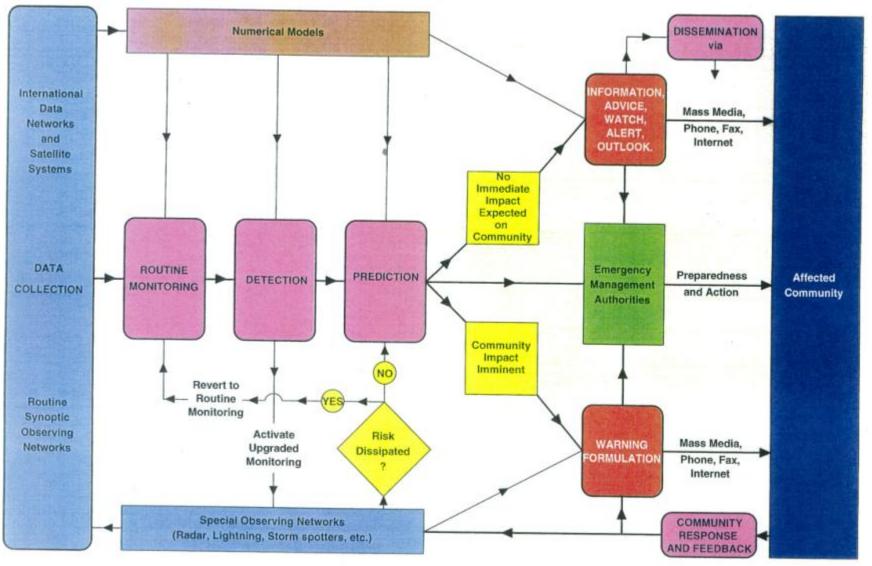




THE NATIONAL METEOROLOGICAL SERVICE

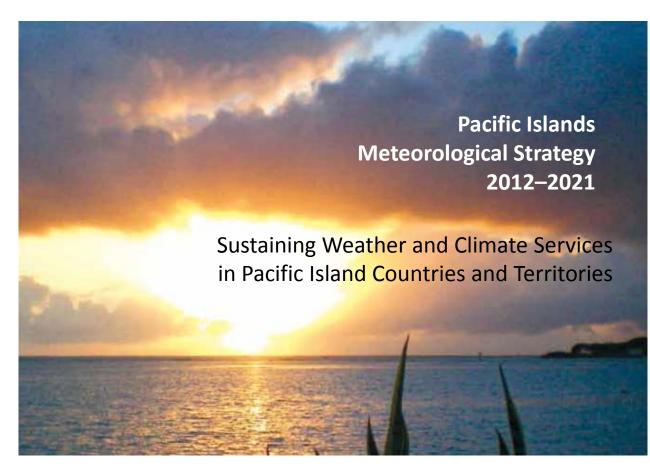


OPERATION OF A WARNING SYSTEM



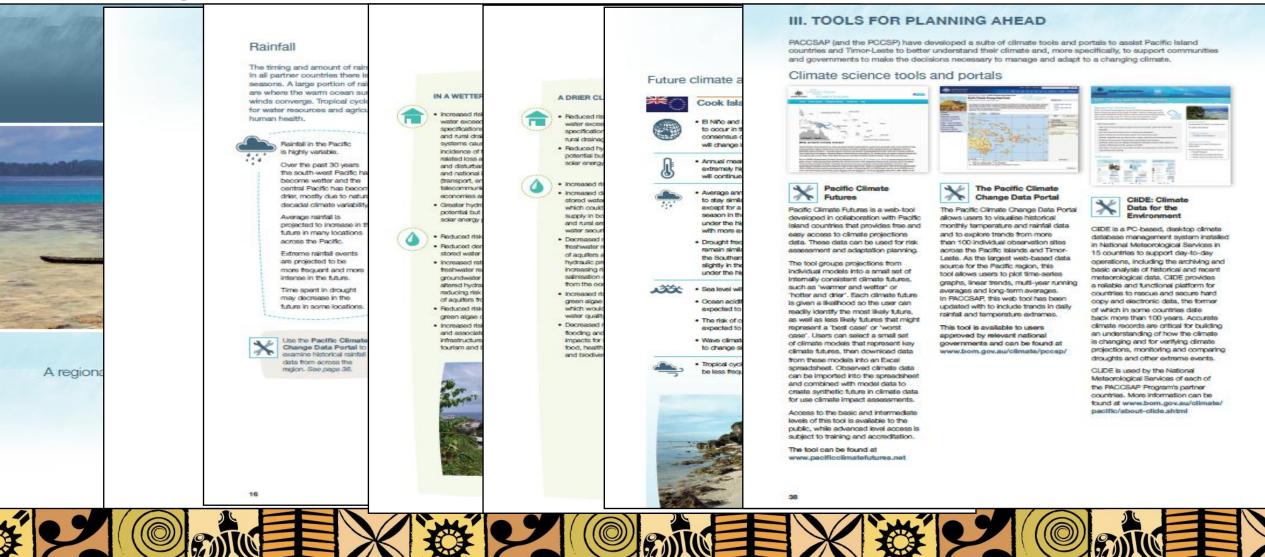
Strategic Guidance – Pacific Islands Meteorological Strategy (PIMS) created by the Pacific Meteorological Council & Partners

- Improved weather services, in particular, aviation, marine and public weather services.
- Improved end-to-end Multi-Hazard Early Warning Systems (MHEWS).
- Enhanced infrastructure (data and information services) for weather, climate and water.
- Enhanced development of climate services.





Climate in the Pacific: A Regional Summary of New Science and Management Tools (2015)



Investing in Meteorological Services is building Resilience

- Tonga is investing 16.5M over next 5yrs in building resilience to natural disasters. 70% of that is going into improving MHEWS
- PPCR Tonga Project 2M into upgrading observation systems





Strategy for Climate and Disaster Resilient Development in the Pacific (SRDP)

<u>Recommendation</u> to include in the Guiding Principles of SRDP that

→ Responses to addressing climate change and managing disaster risks should be based or built on Good Science.

Good Adaptation ← Good Planning ← Good Science ← Good Data (Projections)

← Good Meteorological Services →

