











PACIFIC ISLAND GLOBAL OCEAN OBSERVING SYSTEM

DBCP PI-4 University of Hawai'i, Sept. 2019

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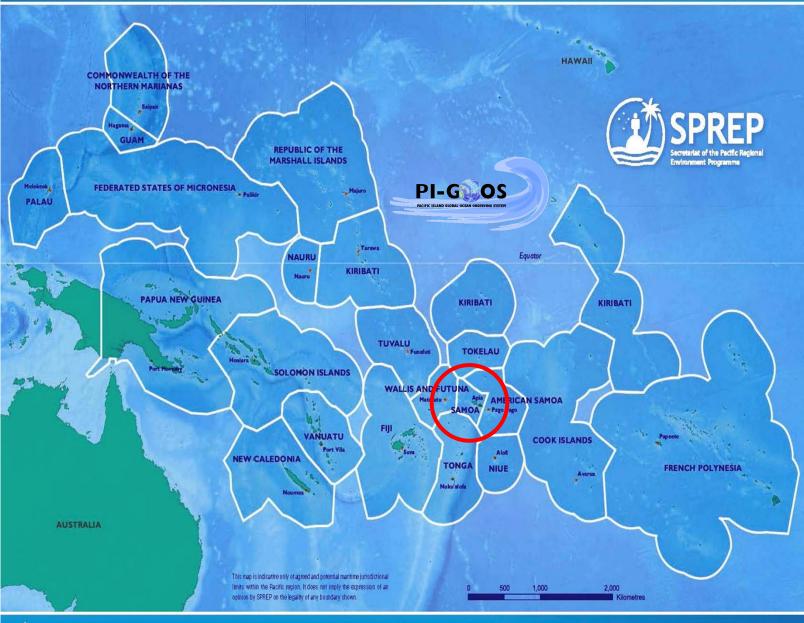
Intergovernmental org. for protection of Pacific islands environment

HQ: Apia, Samoa

21 Pacific Island
Countries & Territories

5 Metropolitan Members: Aus., Fr., NZ, UK, USA









Pacific Islands-GOOS



Established as a GOOS Regional Alliance in 1998

To assist in:

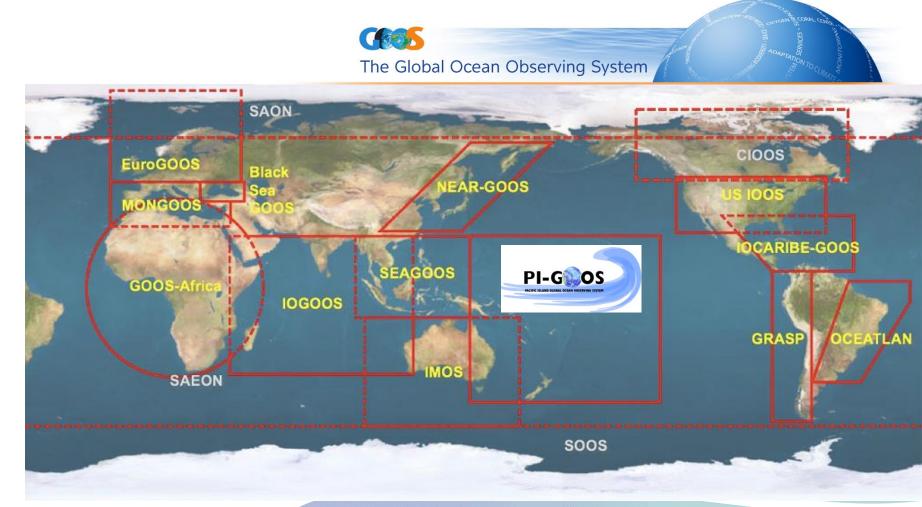
- OO development
- uptake & use of data

Sponsors:











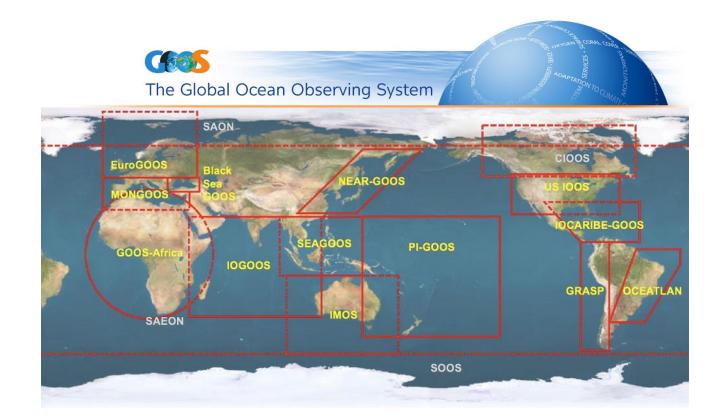


Pacific Islands-GOOS



Key Activity Areas:

- Coordinating OO in PICTs
- Supporting Development of Marine Weather Programmes
- Marine Data Access and Management
- Education & Training









Pacific Met Council



PMC-5: 5th Meeting of the PMC, Apia, Samoa 2019

- **Directors of Met Services**
- Est. 2011, to coordinate sci & tech activities of **NMHS**
- Advises SPREP on needs and priorities of **NMHS**
- Biennial meetings >
- Supported by PMDP



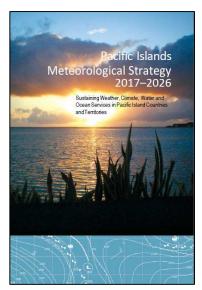


Pacific Met Desk Partnership

Supports PMC through:

- Coordination & planning of technical projects & programs
- Mobilizing resources to support PMC & NMHS

→ Guided by **PI Met Strategy**:















MetService





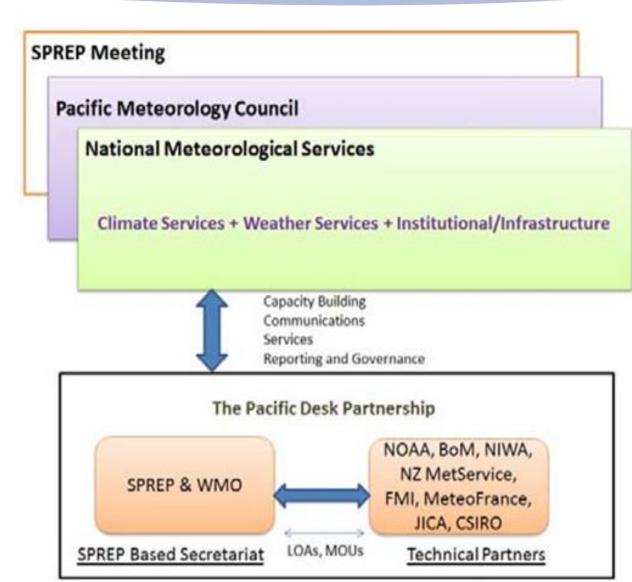














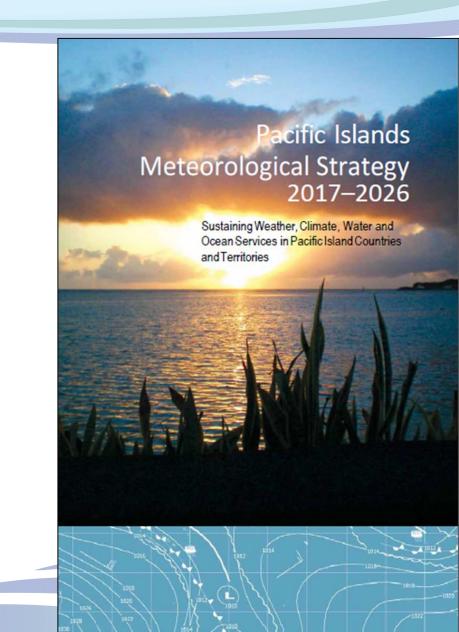




Pacific Island Meteorological Strategy

5 Priority Areas:

- 1. Improved weather services
- 2. Disaster Risk Reduction
- 3. Improved climate & hydrological services
- 4. Integrated **observing** & comms systems
- 5. Coordinated support for NMHSs, PMC, and PMDP



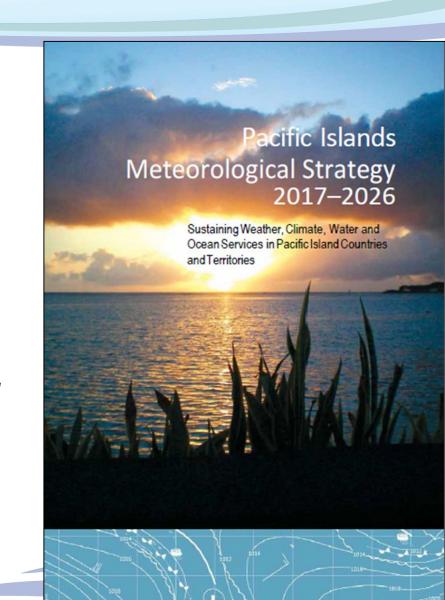




Pacific Island Meteorological Strategy

Pacific Key Outcomes

- Pacific Key Outcome 2: Marine weather services in the PICTs' region are improved
 - 11 National Priority Actions and 8 Regional Priority Actions
- Pacific Key Outcome 4: Multi-Hazard Early Warning Systems for tropical cyclones, storm surges, waves and tsunami in the PICTs' region are implemented and improved
- Pacific Key Outcome 7: Improved quality of observations and coverage of networks in the Pacific Islands region





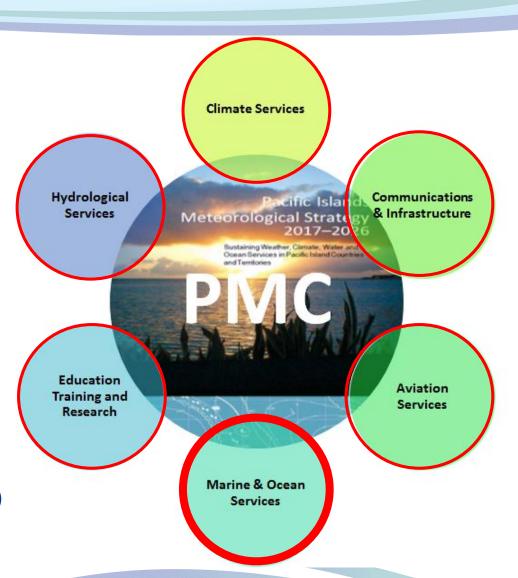


PMC Expert Panels



Advise PMC on 6 thematic areas of the Pacific Islands Met Strategy:

- Pacific Island Climate Services (PICS)
- Pacific Island Communications and Infrastructure (PICI)
- Pacific Island Aviation Weather Services (PIAWS)
- Pacific Island Marine and Oceans Services (PIMOS)
- Pacific Island Education, Training and Research (PIETR)
- Pacific Hydrological Services (PHS)







PIMOS Panel

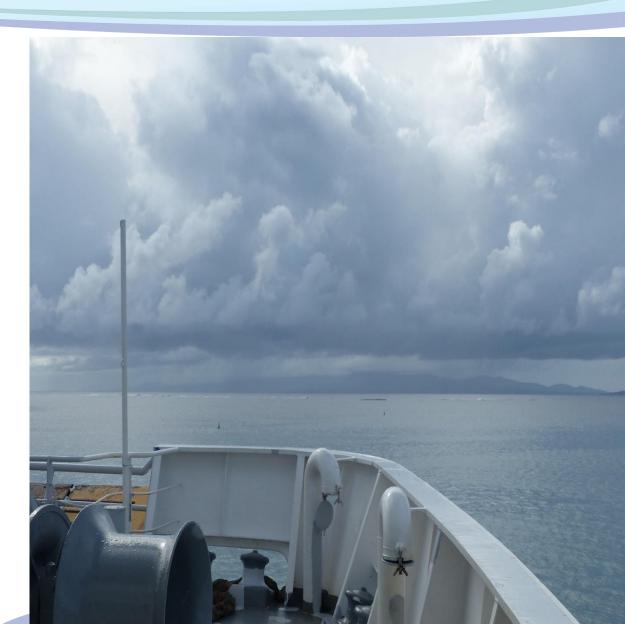


PMC-5 Meeting of PIMOS Panel: Key Priority Areas:

- Coastal Inundation and Hazards
- Marine Weather → Maritime Safety (SOLAS)
- Marine Meteorology and Climatology
- Ocean Acidification

These are supported by:

- Observations and data management
- Forecasting
- Climate, Marine & Ocean Services
- Comms and Capacity Building







Observing Ocean Acidification

Pacific Partnership on Ocean Acidification

Building capacity of Pacific Islanders to monitor and report **ocean acidification** data

Partnered with TOF to provide equipment & training to 7 Pacific island nations to monitor OA & report data to **SDG Indicator 14.3.1**:

Average marine acidity (pH) measured at agreed suite of representative sampling stations



Photos: The Ocean Foundation













Observing Ocean Acidification



Pacific Island Countries Ocean Acidification Observation and Response Network

KIOST + SPREP establishing OA monitoring (MAPCO2) buoys in:

- Palau
- FSM (Chuuk)
- Samoa





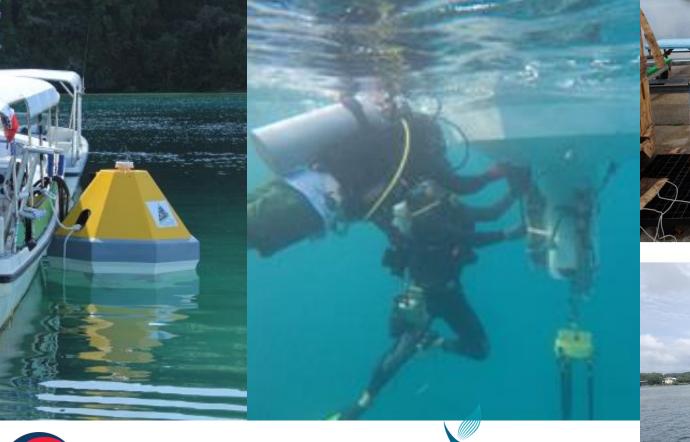


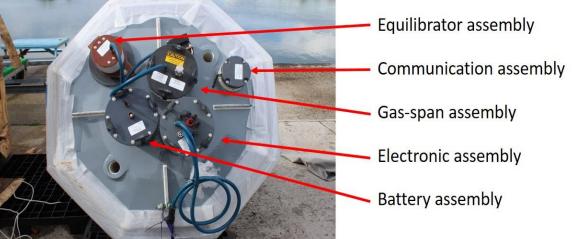


Observing Ocean Acidification



Pacific Island Countries Ocean Acidification Observation and Response Network









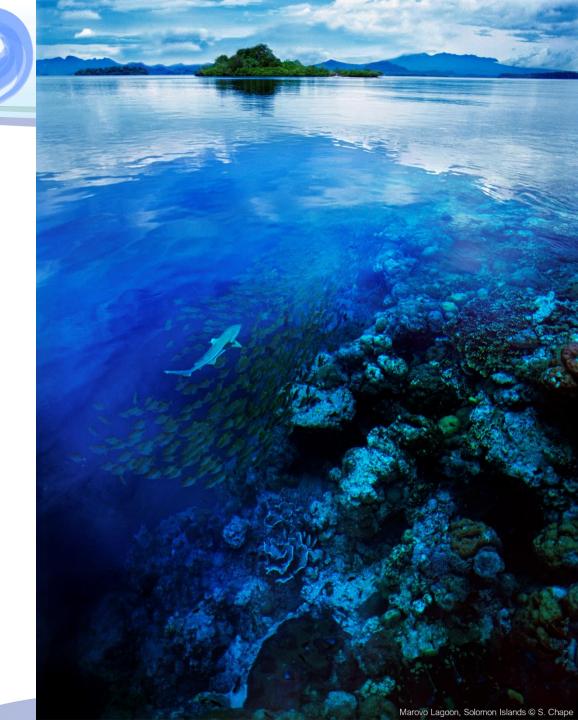






Challenges

- Maintaining financial support for PI-GOOS
- Low levels of ocean literacy and capacity
 - → PICTs need oceanographers
- Low awareness of the importance of OO
- Data sharing in the region is poor







Opportunities

- UN Decade of Ocean Science
 - → raise profile of OO for PICTs
- Commonwealth Blue Charter AG on OO
- Increasing awareness of ocean-climate nexus
 - → UNFCCC 'Blue COP' 25 Chile 2019
- Donors (GCF, AF) interested in marine climateadaptation
 - → need to demonstrate importance of OO and how baseline data is key part of adaptation work

















Fa'afetai Lava Mahalo Thank You!

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