















EAST-WEST CENTER



Jon Van Dyke Institute Hawai'i, Sept. 2019

R. Duncan McIntosh, PhD
Oceanography Officer
Secretariat of the Pacific Regional Environment Programme



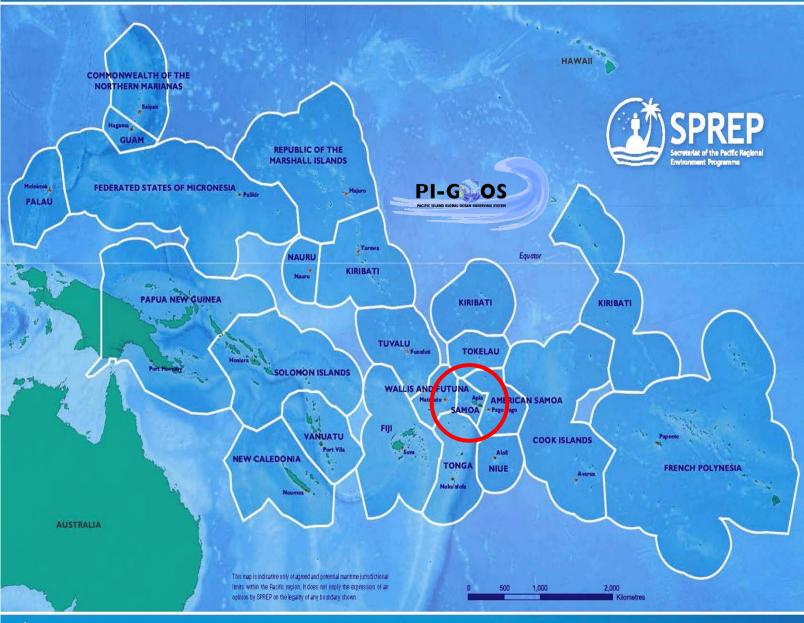
Intergovernmental org. for protection of Pacific islands environment

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:

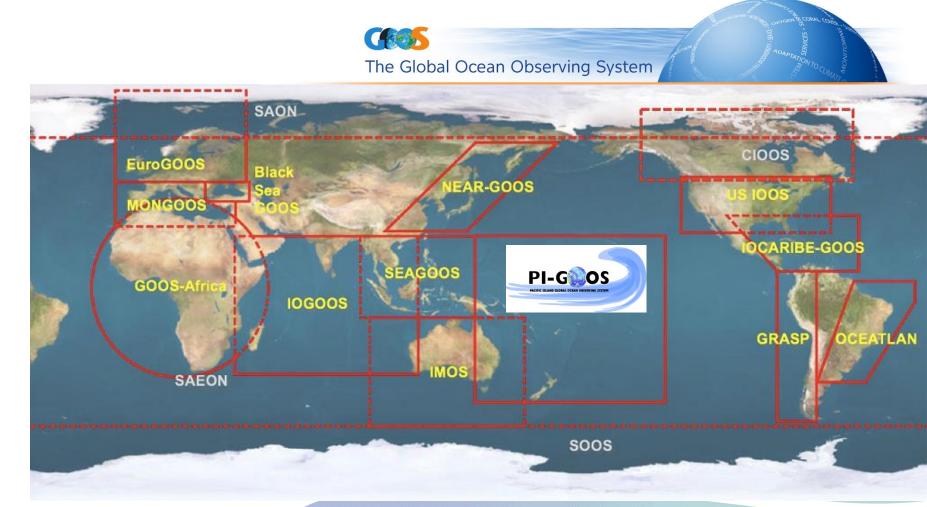
- OO development
- uptake & use of data

Sponsors:











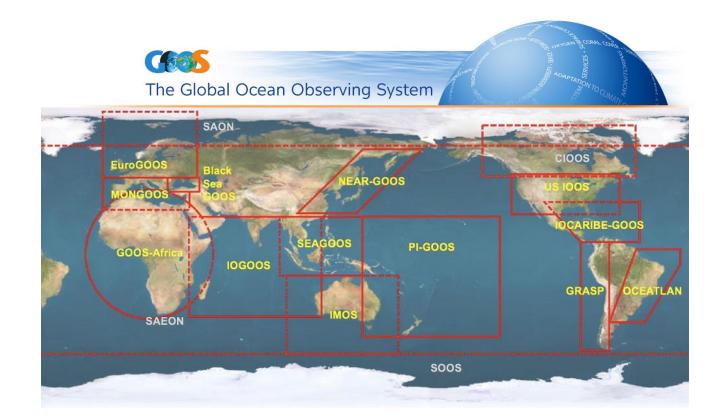


Pacific Islands-GOOS



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



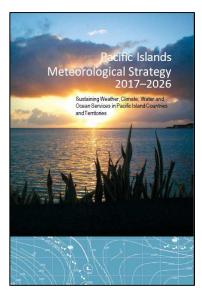


Pacific Met Desk Partnership

Supports PMC through:

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

→ Guided by **PI Met Strategy**:

















MetService



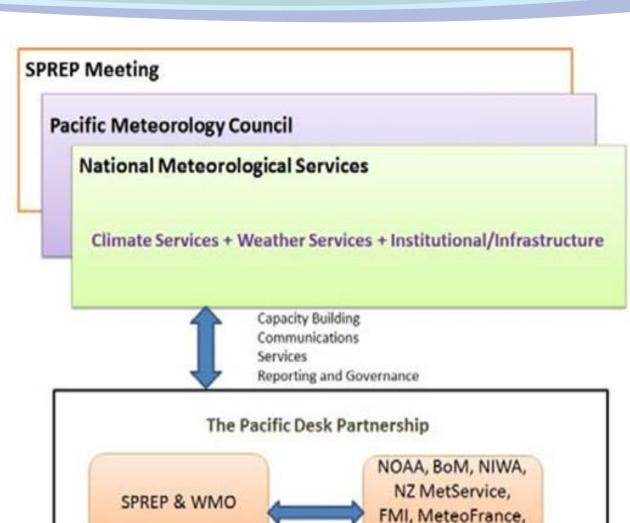












LOAs, MOUS

SPREP Based Secretariat

JICA, CSIRO

Technical Partners

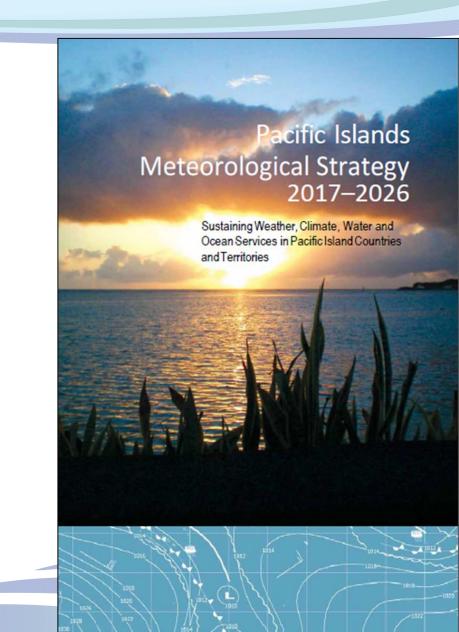




Pacific Island Meteorological Strategy

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



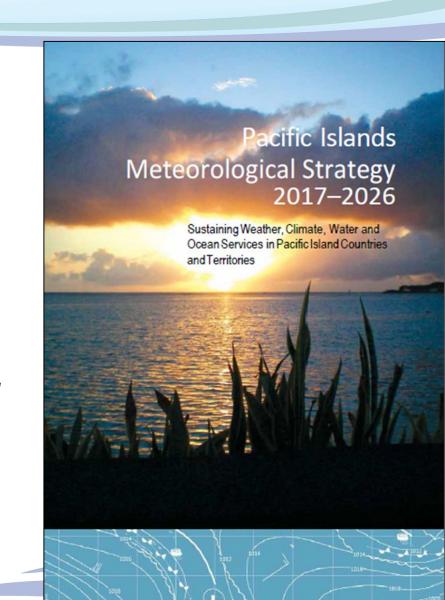




Pacific Island Meteorological Strategy

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





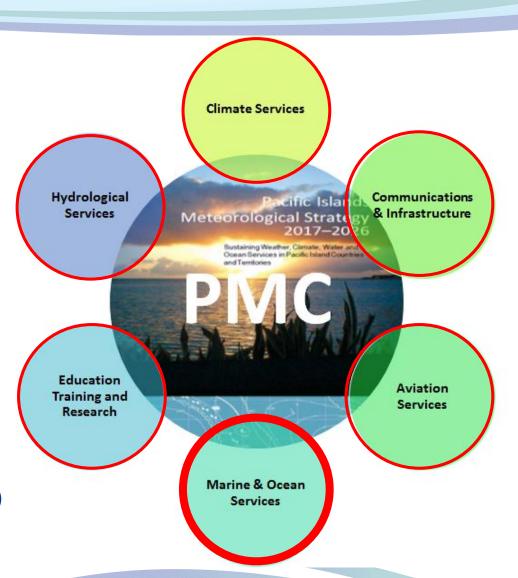


PMC Expert Panels



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

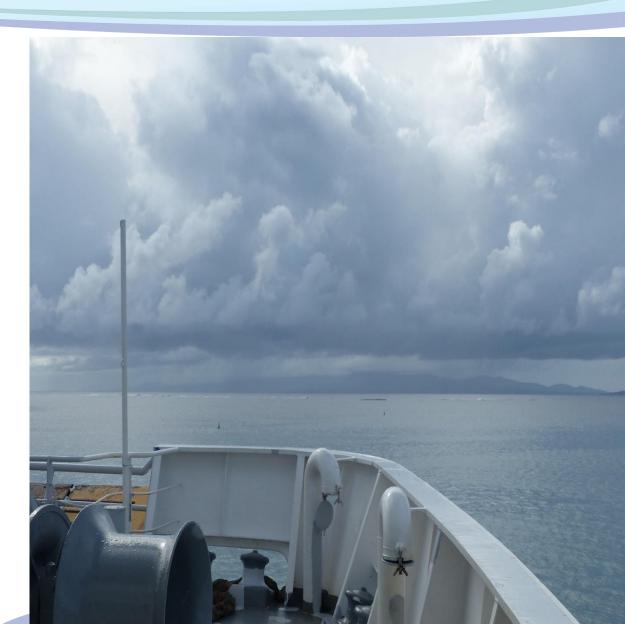


PMC-5 Meeting of PIMOS Panel: Key Priority Areas:

- 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







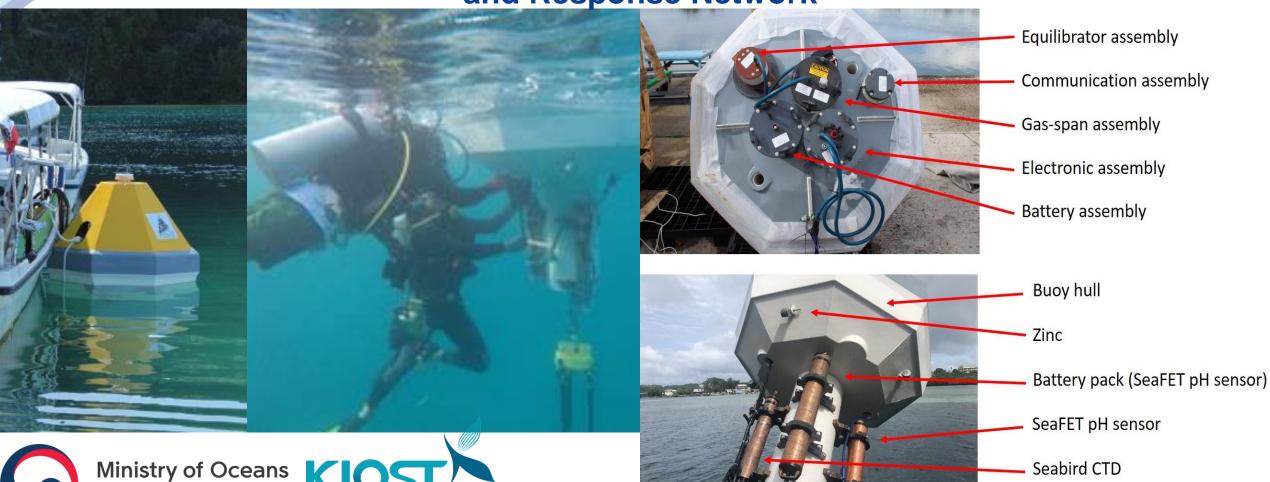
and Fisheries



Observing Ocean Acidification



Pacific Island Countries Ocean Acidification Observation and Response Network



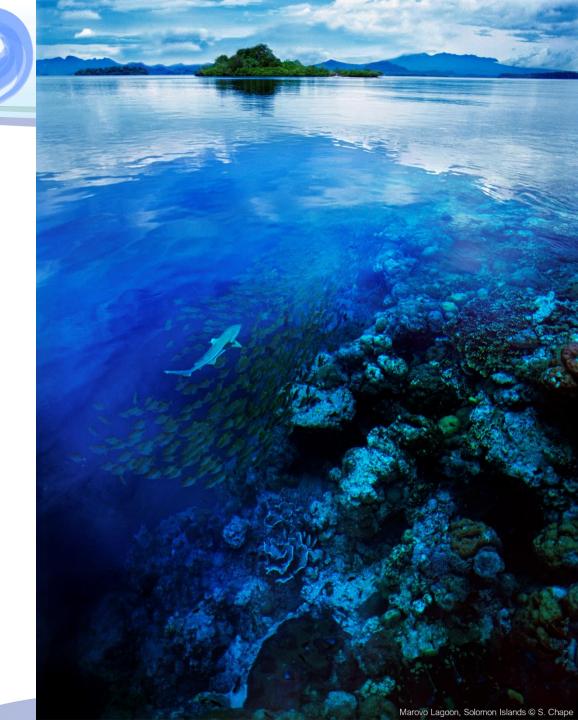






Challenges

- 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 감사합니다 Thank You!

EAST-WEST CENTER



Dr. R. Duncan McIntosh robertmc@sprep.org

