



SEVENTH MEETING OF THE PACIFIC METEOROLOGICAL COUNCIL (PMC-7)

## AGENDA 13.1

# Progress and Update of the Pacific Island Education, Training and Research (PIETR) Panel

*Mr. Raymond Tanabe*

*Chair – PIETR Panel*



# Purpose of the Paper

- **Note** the progress made by the PIETR Panel in the implementation of the Pacific Islands Meteorological Services Strategy 2017-2026 specially under the Pacific Key Outcome 9;
- **Acknowledge** the contribution of partners in the implementation of PIETR related activities;
- **Encourage** members to assist with the coordination and implementation of weather, climate, climate change, hydrological and oceans related to education, training and research to better highlight progress to date.

# Acknowledgement

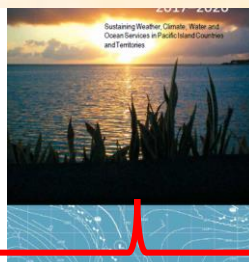
## Key partners:

- Cook Islands – Mr. Arona Ngari
- PMC member countries
- Technical Partners - University of Hawaii, NOAA, University of South Pacific, BOM, UNEP, NIWA, UKMO – WISER Programme
- Secretariat
- Note Revision of the Terms of Reference (ToR)





# PIMS Priority Areas



## PKO9: NMHS institutional strengthening and capacity development

Improved weather services,



Disaster risk reduction



Improved climate and hydrological



Integrated observing and



Coordinated support for NMHSs, PMC



- **Governance:** Training NMHS Senior Management on management & governance
- **Communication :** share best practice on comms of NMHS products
- **Public Financial Systems :** Financial management training for senior management and NMHS staff
- **Project Management:** Training on project management & project proposal development
- **IT :** provide/support IT training
- **Education, training and research:**
  - Compile a registry of all training opportunities available to the NMHSs in the region and their areas of focus
  - Establish a regional WMO training centre
  - Identify research priority areas and promote the application of science and technology to decision-making
  - Increase the number of WMO fellowship for Pacific NMHS staff
  - Work with partners to convene a research writeshop for NMHSs to



# Pacific Climate Change Centre



- 4th Pacific Oceans Pacific Climate Change Conference (POPCCC, May 2024, 300+ participants, 105 abstracts SPREP, PCCC, NUS & VUW funded by ADB, DFAT, MFAT UKMO – Wiser Programme
- Accessing Climate Finance Training 2024
- Innovative Climate Solutions for Pacific Island Countries 2024
- Inclusive and Climate Resilience infrastructure 2024 (PRIF/ GESI)



# PIETR Panel: UNEP CIS-Pac5 Updates

Trainings/ Workshops	Country	RTP	Status
Pacific Island Countries Advanced Seasonal Outlook (PICASO) Training	All 5 countries	APCC	Completed 3 trainings with 1 planned for PICOF 15 in October 2024
Basic Climate, Oceans and ACCESS-S Attachment	All 5 countries	BOM	Completed 2 attachment trainings
Oceans Officer Attachment	Cook Islands, Niue, Tuvalu	SPC	Completed attachment in 2023 for Niue and Tuvalu officers.
EAR Watch Training	Cook Islands, Niue	BOM	Conducted national trainings in 2024 with the 2 NMHS
Basic Instruction Package for Meteorological Training (BIP-MT)	Cook Islands, Niue, Tuvalu	BOM	Completed in 2024. Cook Islands joined the training as a QMS recommendation.
AWS/AWOS Technician Training	All 5 countries	NIWA	Completed technical trainings for Niue, Palau, RMI, Tuvalu
Climate Data Management / Collection Workshop	All 5 countries	SPREP	Completed training in RMI



# PIETR Panel: UNEP CIS-Pac5 Updates

Trainings/ Workshops	Country	RTP/ Partner	Status
Young Scientist Support Program (YSSP)	All 5 countries	APCC	Completed 2 cohort attachment training for the Basic YSSP. Next phase will be the Advanced YSSP.
Sector Based Climate Services	All 5 countries	EWC NOAA, BOM, UNEP	Completed workshop in February 2024 for Palau, Agriculture sector workshop completed for Niue in August 2024. Planned Fisheries for Tuvalu in February 2025.
Common Alert Protocol	Cook Islands, Niue, Tuvalu	WMO/ VanKirap	Supported WMO/ VanKIRAP regional training which was conducted in November 2023.
Joint Regional Training on Linking Predictions to Anticipatory Action	All 5 countries	UNEP, APCC, Climate Centre	Joint training conducted in December 2023.
QMS Knowledge Sharing Session (virtual)	All 5 countries	Fiji Met Service	Completed
Weather Radar Knowledge Sharing Session (Virtual)	All 5 countries	Fiji Met Service, NZ Met Service	Completed
El Nino Knowledge Sharing Session (Virtual)	All 5 countries	UNEP, NIWA, SPC, NOAA, APCC	Completed



# WMO CREWS Training and Workshops



- NMHHS Media & Communications Mana Class
- NMHHS Women in leadership Training
- Common Alert Protocol Workshop, 2023
- Impact-Based Forecasting Workshop, Solomons, 2023
- E-Learning Platform for ICT, 2024
- Tropical Cyclone Forecasters Training, 2023



## ClimSA supported capacity-building initiatives.

1. ACCESS-S Training - ClimSA partnered with the COSPPac project to support the delivery of this training.
2. Kobo Toolbox & Canva - ClimSA partnered with the Australia Pacific Climate Alumni Network to deliver a 2-day technical workshop.
3. How to Read Tide Predictions and Produce Early Warnings for Social Media.



## Technical Training for Met Technicians

- Co-sponsored by CIS-Pac5, VanKIRAP, PREP, COSPPac3 and other projects
- Opportunity under WRP and future projects for NIWA to:
  - Continue to offer short courses for met and hydrology technicians
  - Explore course accreditation and/or identify others
  - Support RTC to develop and offer similar courses for online/in-person/hybrid delivery
  - Lead or support regional MetTech community of practice, with routine knowledge sharing calls and training opportunities

### Trainings carried out to date:

Christchurch based, 2-week technical training

Vanuatu (2 staff)	June 2023
Samoa (4)	June 2023
Palau (2 staff)	July 2023
Niue (1 staff)	July 2023
RMI (2 staff)	March 2024
Tonga (3 staff)	April 2024

### Courses includes:

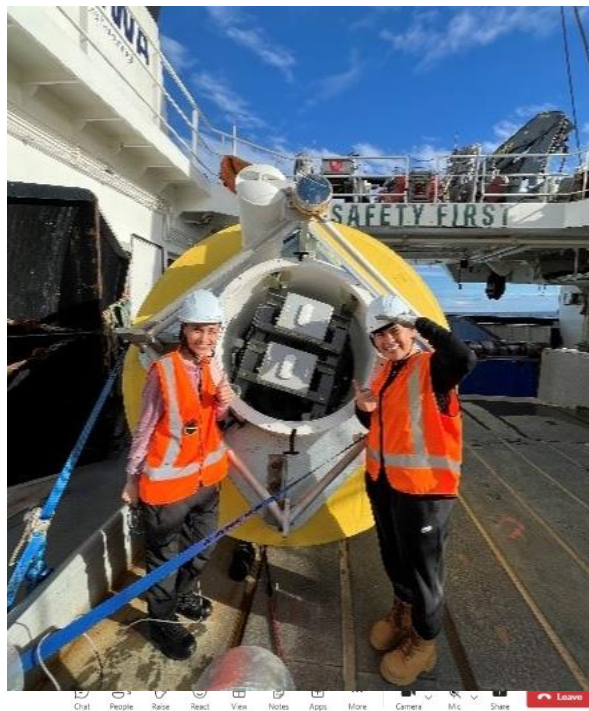
- Health & Safety/ introductory procedures
- Instruments, AWS components and sensors
- Workshop assembly and testing
- Pre and Post- Installation
- Calibration and routine maintenance
- Trouble shooting
- Network management
- Metadata ingest and data management
- Buddy system for ongoing support







# Floating University: Ocean Science for Pacific Islanders



- Pacific Advisory Group established in 2023: Taholo Kami, Dr. Nicole Yamase, Dr Joeli Veitayaki, Dr. Katy Soapi, Toney Tevi, Dr. Ant Vavia
- First trial voyage: 12 June- 9 July 2024 with two NZ-based Pasifika NIWA interns
- Shipboard learning opportunities featuring 8 guest presenters, sharing lectures and updates on topics including:
  - Deep ocean science
  - Multibeam analysis
  - DART systems and tsunami warning
  - Microplastics
  - Pacific Island GOOS (PI-GOOS)







## UKMO

**Support via the UK contribution to the WMO Voluntary Cooperation Programme (VCP) funded by UK Government via Met Office Public Weather Service including:**

- Support for MSc. fellowships at Reading University in cooperation with WMO. The 2023/24 intake has included a fellow from Fiji Met. Service
- Support for media communications. In 2024 working with Tonga Met Service to install a media studio and provide training on weather graphics/presentation
- Support through additional activities including e.g. annual online management training

**WISER Asia Pacific Programme funded by UK Government/Foreign, Commonwealth and Development Office (FCDO), under the broader Climate Action for a Resilient Asia (CARA) initiative**

- Support to the review and update of the Pacific Islands Meteorological Strategy (PIMS):
- Support to Pacific Met Directors meeting in Fiji, April 2024, EW4All & WRP.
- Plan for an 'integrated forecast platform' for the Pacific Region
- Pacific Climate Change Science to Services Roadmap (PCCSSR): In partnership with the Pacific Climate Change Centre (PCCC), and the Australian Commonwealth Scientific and Industrial Research Organisation (CSIRO).

# US/NOAA Trainings and Workshops

- Pacific International Training Desk – Honolulu, HI
  - Funded through 2028
  - Will continue to support ~12 participants each year.
- Pacific PREPARE Early Warning Systems Project
  - Inaugural workshop held in Nadi, Fiji July 2024
- International Tsunami Ready designation
  - Led by the International Tsunami Information Center
  - Kiribati, Samoa, Solomon Islands, Vanuatu, Republic of Palau, Federated States of Micronesia





# Recommendations

The Meeting is invited to:

- **Note** the progress of the PIETR Panel, and its reviewed and updated Terms of Reference (ToR)
- **Acknowledge** the contribution of partners in the implementation of PIETR related activities;
- **Encourage** members to assist with the coordination and implementation of weather, climate, climate change, hydrological and oceans related to education, training and research to better highlight progress to date.
- **Recommend** regional training needs assessment to inform the pacific regional capacity development plan.
- **Encourage** support and resource mobilisation for new and existing initiatives