

FOURTH PACIFIC MINISTERIAL MEETING ON METEOROLOGY

PMMM-4

Nuku'alofa, Tonga • 15, 16 September 2026



Agenda Item

4

SUSTAINABILITY OF WEATHER, CLIMATE, WATER AND OCEAN SERVICES

for a Safe, Secure and Prosperous Pacific

4.3

**Pacific Hydro-met and Multi Hazard Early
Warning System (MHEWS) Sustainable
Maintenance Facility**

‘Ofa Fa’anunu – Weather Ready Pacific Program Manager

Weather Ready for a Secured and Sustainable Pacific



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SPREP
Secretariat of the Pacific Regional
Environment Programme



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EXPLORING A PACIFIC HYDRO-MET & MHEWS SUSTAINABLE MAINTENANCE FACILITY



Weather Ready for a Secured and Sustainable Pacific



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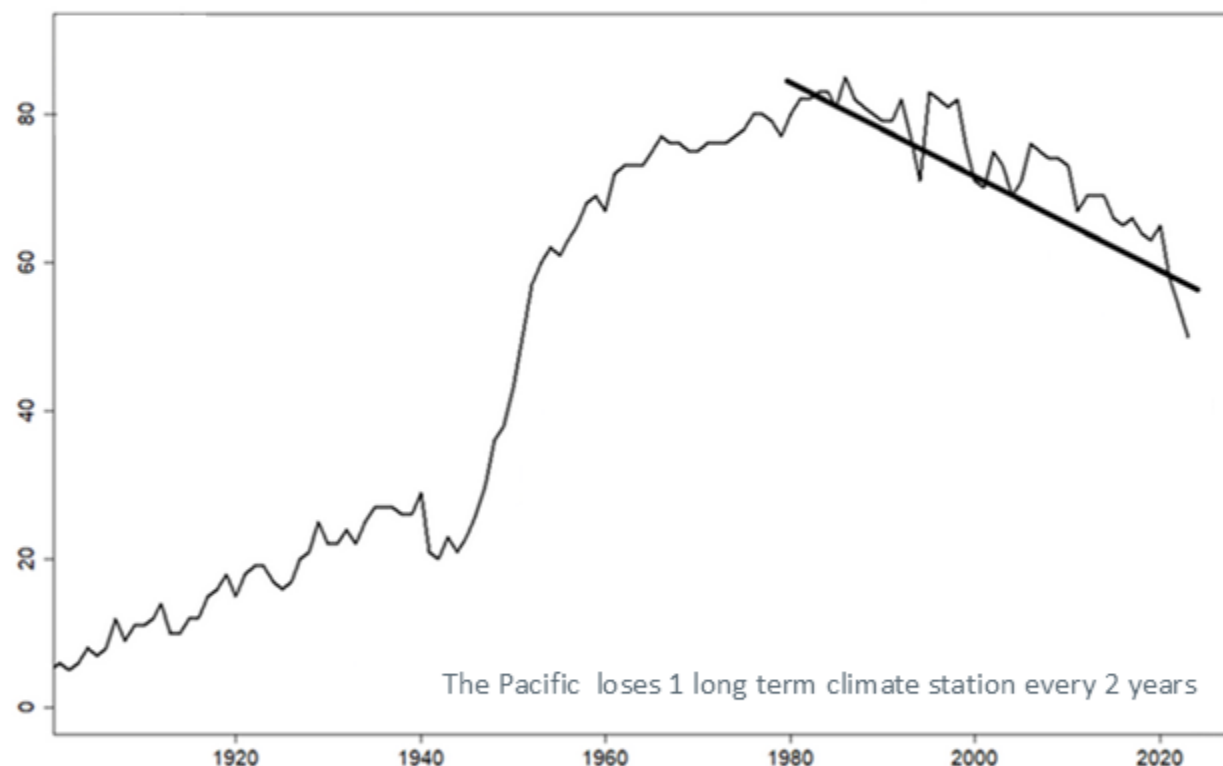
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The Pacific Maintenance Crisis

Seven structural pressures affecting the sustainability of Pacific hydrometeorological systems

MAINTENANCE PRESSURE OVER TIME



Source: Australian Bureau of Meteorology

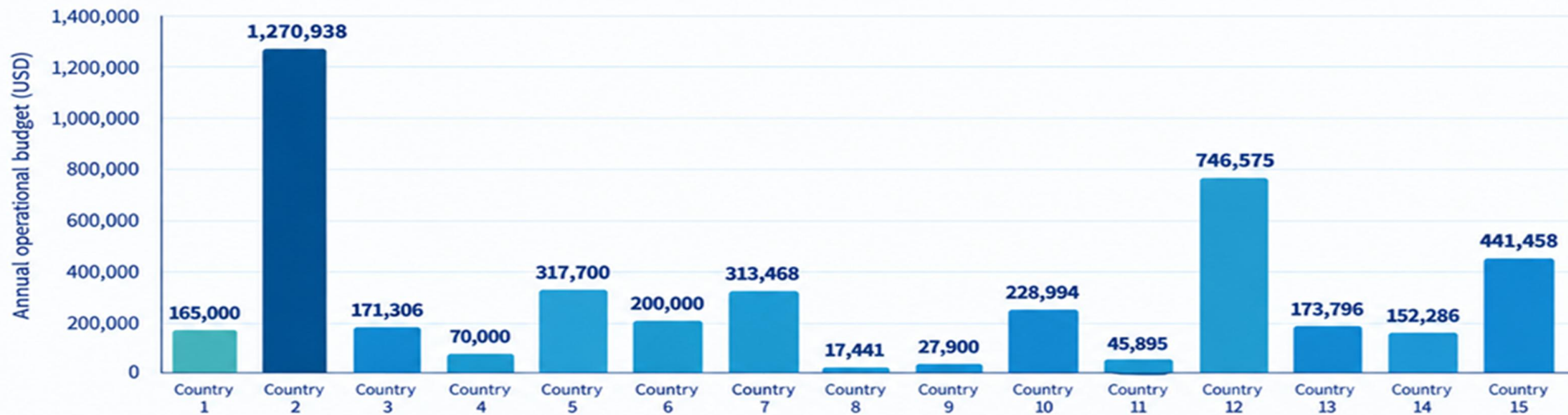
SEVEN RECURRING SUSTAINABILITY DRIVERS

- 1 High cost of maintenance and replacement
- 2 Donor funding focuses on capital investment, not long-term operations
- 3 Limited technical workforce capacity
- 4 Geographic isolation and logistics
- 5 Fragmented regional support systems
- 6 Weak asset lifecycle planning
- 7 Growing dependence on digital systems

Investment sustainability requires whole-of-life planning — maintenance, people, logistics and digital systems alongside capital assets.

Annual Meteorological Service Operational Budgets

Pacific Island Countries & Territories



Total annual
operational budget
USD 4.3M



Average per country
USD 28.7K



Range (lowest – highest)
USD 17K – 1.27M



PEOPLE
Safer communities



PARTNERSHIPS
Stronger collaboration,



RESILIENT FUTURES
A more secure Pacific

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Inaugural Weather Ready Pacific Liaison Platform, 8–9 September 2026, Nuku'alofa, Tonga

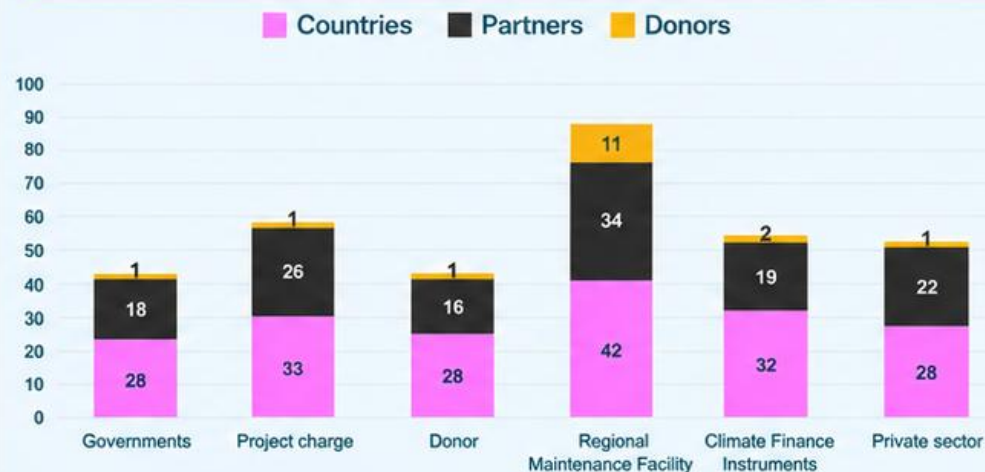


- Identified infrastructure maintenance can account for **up to 70%** of full life-cycle costs, and is **consistently unfunded**.



- The Platform agreed the gap cannot be addressed through any single funding source and supported the establishment of a **Pacific Hydro-met MHEWS sustainable maintenance facility** as one component of this financing mix, providing coordinated support where regional solutions offer greater efficiency and sustainability.

Regional Maintenance Facility Supported



TOWARDS A STRONGER, MORE RESILIENT AND SUSTAINABLE PACIFIC

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A CALL FOR MINISTERIAL SUPPORT

SUSTAINING PACIFIC HYDRO-MET & MHEWS FOR A SAFER, STRONGER PACIFIC



The PMMM4 is invited recognise the **critical need to sustainably maintain** Pacific Hydro-Met and MHEWS infrastructure and support the establishment of a **Pacific Hydro-Met & MHEWS Sustainable Maintenance Facility**, alongside a single Pacific-owned investment pipeline under the **Weather Ready Pacific Programme**, built on national priorities, coordinated regionally and financed across the full lifecycle.



SUSTAIN INFRASTRUCTURE

Keep Pacific Hydro-Met and MHEWS systems working for people and economies.



ESTABLISH MAINTENANCE FACILITY

Support a Pacific Hydro-Met & MHEWS Sustainable Maintenance Facility to ensure long-term operation and resilience.



SINGLE PACIFIC- OWNED INVESTMENT PIPELINE

Enable a coordinated, Pacific-owned pipeline under the **Weather Ready Pacific Programme**.



STRONGER, SAFER PACIFIC

Deliver lasting benefits for communities, livelihoods, economies and our shared Blue Pacific future.

TOWARDS A STRONGER, MORE RESILIENT AND SUSTAINABLE PACIFIC

Weather Ready for a Secured and Sustainable Pacific



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