



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

## Agenda Item 7

# Role of National Meteorological and Hydrological Services in International and Regional Engagement

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# Purpose of the Paper

- 1.To inform members on the preparation for UNFCCC COP29 and opportunities for National Meteorological and Hydrological Services Officials (NMHSs) engagement in the negotiation process.
- 2.To update members of the outcomes of the Pacific Climate Change Roundtable.
- 3.To inform members of work in climate change mitigation, adaptation and loss and damage, identifying opportunities for potential engagement of NMHSs.

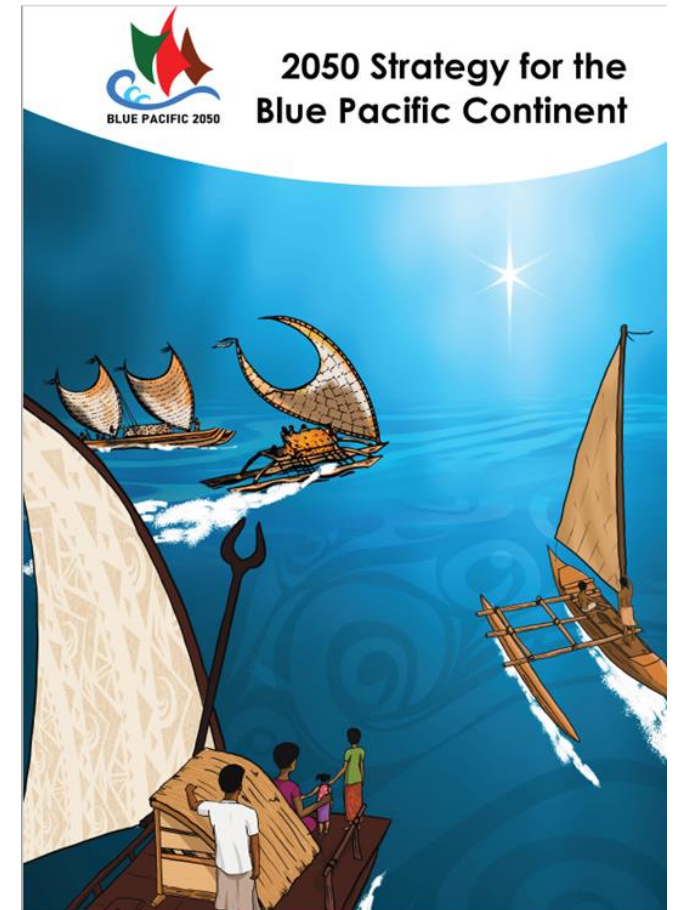


# Background

1. Worldwide observation of climate systems provides critical data and information to advance scientific knowledge of climate change, its impacts and future trends.
2. As stewards of national observation systems and data which form the foundation for climate services, Pacific NMHSs plays a critical role in ensuring quality of climate data, analysis and interpretation of data to enable end-users to apply climate information in designing, planning and implementation of socio-economic services and infrastructure.

# The 2050 Strategy for the Blue Pacific Continent

- The 2050 Strategy features 10 commitments that Leaders have made to strengthen their collective action. In support of these commitments, the Strategy brings together seven interconnected thematic areas that are based on comprehensive consultation with Members, CROP and other regional organisations, Non-State Actors, and regional experts.
- Relevant themes
  - » Climate Change and Disasters
  - » Ocean and Environment
- Each thematic area contains a level of ambition that **represents the transformational change that is sought by 2050 in that area**. Together, the achievement of all levels of ambition will support the Leaders vision.



# Pacific Climate Change Roundtable

- The PCCR aligned to the 2050 Strategy for the Blue Pacific Continent.
- The PCCR was reconvened in Apia, Samoa May 2024.
- Countries and Territories provided national updates and priorities
- Outcomes of the PCCR were endorsed by the SPREP Executive Board September 2024.
  - The roles and objectives
  - Thematic priorities (Adaptation, Mitigation, Loss and Damage) and that Science, inter alia, is a key cross-cutting issue for advancing these priorities regionally.
  - Governance
  - Donors & Partners Platform





# United Nations Framework Convention on Climate Change (UNFCCC)

- The UNFCCC calls on Parties to promote and cooperate in Research and Systematic Observation (RSO) and the development of data archives, including through exchange of information and supporting and developing programmes, networks and organizations.
- SPREP, through the OneCROP process, supports PSIDS RSO negotiators to work with AOSIS counterparts to advance regional positions, through submissions and mandated events, and informal consultations, to ensure that the best available science informs decision-making under the UNFCCC.
- Pre COP 29- RSO priorities 2-3 October – Nadi, Fiji.
- COP29 -support the PSIDS RSO thematic coordinator and PSIDS RSO negotiators to advance regional positions at COP29., being held in Baku from 11-22 November.



# Mitigation

- SPREP, as one of the four implementing partners of the Regional Pacific Nationally Determined Contribution (NDC) Hub
- Project Concepts for funding, to the Mitigation Action Facility under the UNFCCC. The preparation phase of these project proposals highlighted the vital role of the NMHSs in terms of the valuable data collected and managed which is used to provide evidence of climatic impacts in the Region and to support the application for funds. Particularly project proposals are for Renewable Energy projects.
- NMHSs play an important role in just transition to a low carbon, low emissions and climate resilient Pacific.



# Adaptation

- SPREP is currently working in three countries- Tuvalu, Nauru and FSM, to facilitate and support the development of their National Adaptation Plans (NAP) for medium to long-term adaptation through adaptation planning processes.
- This work has highlighted the importance of the work of NMHSs in adaptation planning.





# Addressing climate-induced Loss and Damage

- NMHSs plays a key role in addressing loss and damage. Downscaled hazard projections, novel information on adaptation limits, and medium to long-term loss and damage projections.
- Funding secured from German Federal Government and the Government of New Zealand will support countries to
  - hold **national dialogues** to **define** loss and damage **and initiate establishment of an evidence base** for loss and damage, develop a methodology to measure non-economic loss and damage, develop case studies on adaptation limits and experienced loss and damage.
  - Support to implementing pilot projects and develop concept notes to access finance for implementation of national loss and damage priorities.



# Opportunities for enhanced engagement of NMHSs

- There is growing recognition of the important role of NMHSs and their contribution to building climate resilience in the Pacific.
- PCCR provides an opportunity for ongoing regional engagement for NMHSs and will be held biennially.
- National engagement (NAPS/L&D Dialogues)
- COP engagement for RSO ensure that the latest Science is utilised to inform efforts to advance agreed regional priorities at the next PCCR, which will be held in mid-2025.



# Recommendations

The Council is invited to:

- Note the outcomes of the Pacific Climate Change Roundtable.
- Note the significance of climate science in determining national adaptation and loss and damage needs and the important role of NMHSs.
- Consider the nomination of an official to actively engage in the IPCC process by the 20 September 2024.
- Note the update on preparations for COP29 and the important role NMHSs play in the negotiations of RSO related agenda items.