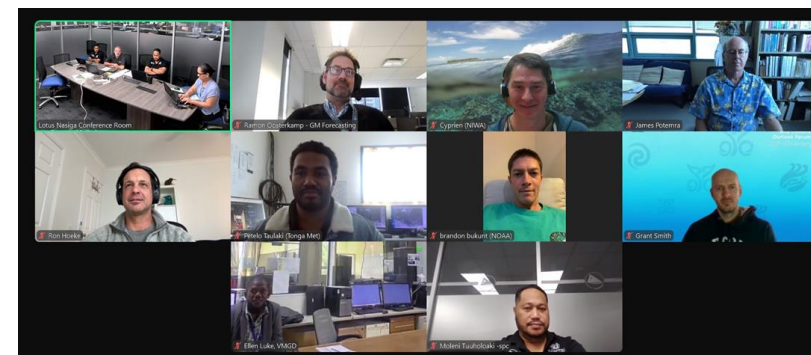




SEVENTH MEETING OF THE PACIFIC METEOROLOGICAL COUNCIL (PMC-7)

## AGENDA ITEM: 15.1

# Title: PIMOS UPDATE AND PROGRESS



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*"AT THE FRONTLINE OF WEATHER, CLIMATE, WATER, AND OCEAN ACTION IN THE PACIFIC"*

# Purpose of the Paper

1. To inform PMC on the updates from the Pacific Islands Marine and Ocean Services (PIMOS) Panel.
2. To inform PMC on emerging opportunities from strengthened ocean prediction and monitoring services.
3. To seek endorsement from PMC on PIMOS recommendations towards strengthening ocean prediction and monitoring services.



# Background: PIMOS Update

- **PIMOS Chair: Tuvalu**
- **Meetings:** PIMOS Panel met 5 times since PMC-6 (not including PIMOS Task team's meetings)
- **PIMOS TOR was revised following PMC-6 recommendations:**
  - Emphasizing on People Centered Approach (PCA)
  - Including a 5<sup>th</sup> task team on tsunami (PTWS Tsunami WG)

- **TORs for each of the 5 PIMOS task teams were developed:**

SOLAS compliance, Ocean Acidification, Coastal Inundation, Coordination and Partnership, Tsunami

- **PI-GOOS update:** Mr. Bipendra Prakash is the new PI-GOOS coordinator hosted at SPC. PI-GOOS activities will be reported to PMC through the PIMOS panel.



# Background: Technical advice-1

- **Need to progress towards sustainable ocean monitoring services**
  - PIMOS would like to acknowledge progress through NMHSs effort
  - NMHSs face common challenges
  - PIMOS recommends the development of regional SOP templates and guidance documents across the value chain (e.g. deployment, maintenance, data accessibility and management)
  - These documents would be readily available to NMHSs and partners to be further tailored to national context



# Background: Technical advice-2

- **Regional coastal inundation forecasting**

- As reported at PMC-6, the region has now access to a range of tailored approaches to coastal inundation forecasting, including approaches that does not require large investment in high-quality data.
- These low data intensive approaches provide an opportunity for the establishment of regional coastal inundation forecasting, covering all islands and **ensuring no one is left behind**.
- PIMOS recommends prioritizing the establishment of a **first-pass regional coastal inundation forecasting system**.
- To address this need comprehensively and collaboratively, **we propose to conduct a feasibility study** to explore the necessary infrastructure, governance, and other factors required to implement a regional system.
- While a regional approach provides valuable benefits, it does not address the need for investment in localized coastal inundation forecast systems and high-quality baseline data in specific key areas across the region.



# Background: Technical advice-3

- **Emerging opportunities for new income stream through strengthened ocean prediction services**
  - International marine construction companies, such as those involved in dredging, reclamation work or building seawalls, are generally required to subscribe to marine services.
  - As investment in climate change adaptation solutions is ramping-up across the region, the need for tailored marine services supporting daily operation of international construction companies is also expected to increase.
  - By enhancing its ocean prediction services, NMHSs can strategically be positioned to engage with these companies through **public-private partnerships** and generate new income streams through the provision of tailored ocean services.
  - This opportunity is well illustrated with the multi-year public-private partnership between Tuvalu Met. Service and Hall contracting





# Recommendations

The Meeting is invited to:

1. **Endorse** the inclusion of the Tsunami Task Team as part of the PIMOS Panel
2. **Endorse** the updated PIMOS ToR
3. **Acknowledge** the ToR for the 5-task teams.
4. **Note** Mr Bipendra Prakash as the new PI-GOOS Coordinator hosted at SPC.
5. **Task** PIMOS to develop regional guidelines and SOP templates for ocean observations to strengthen sustainability of ocean monitoring services
6. **Acknowledge** the need for a regional approach to coastal inundation forecasting
7. **Task** PIMOS to undertake a feasibility study on the development of a regional coastal inundation forecast system.
8. **Note** the emerging opportunities for new income stream through investment in strengthened ocean services