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# PIGOOS Update

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# Progress/Achievements



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## OCEAN MINISTERS PREPARATORY MEETING TOWARDS THE 3RD UNITED NATIONS OCEAN CONFERENCE

### DRAFT MEETING SUMMARY

10 – 11, April 2025

Library Conference Room  
Pacific Islands Forum Secretariat  
Suva

- (ii) support capacity-building for NMHSs to improve service delivery, particularly in meeting SOLAS obligations and maritime safety requirements;
- (iii) enhance regional coordination through mechanisms such as PIMOS Panel to improve data sharing and decision-making;
- (iv) increase investment in ocean monitoring and forecasting to enhance climate and marine services for Pacific communities;
- (v) encourage Pacific Island Countries to designate Global Ocean Observing System (GOOS) National Focal Points to fully leverage the opportunities provided by the GOOS, thereby enhancing their ocean observation capabilities; and
- (vi) mobilise funding for the Weather Ready Pacific Programme to ensure the sustainability of critical ocean and meteorological services.

- IOC-UNESCO funding for system development – US \$71,881
- Fish SOOP programme in the Pacific
- A spotter buoy deployed in Solomon Islands
- On-going development of regional SOP templates and national SOP for wave buoys.
- Promoting establishment of the GOOS NFP in the region
- Actively contributing to Ocean Observations Physics and Climate Panel , and GOOS SC

# Workplan for 2025



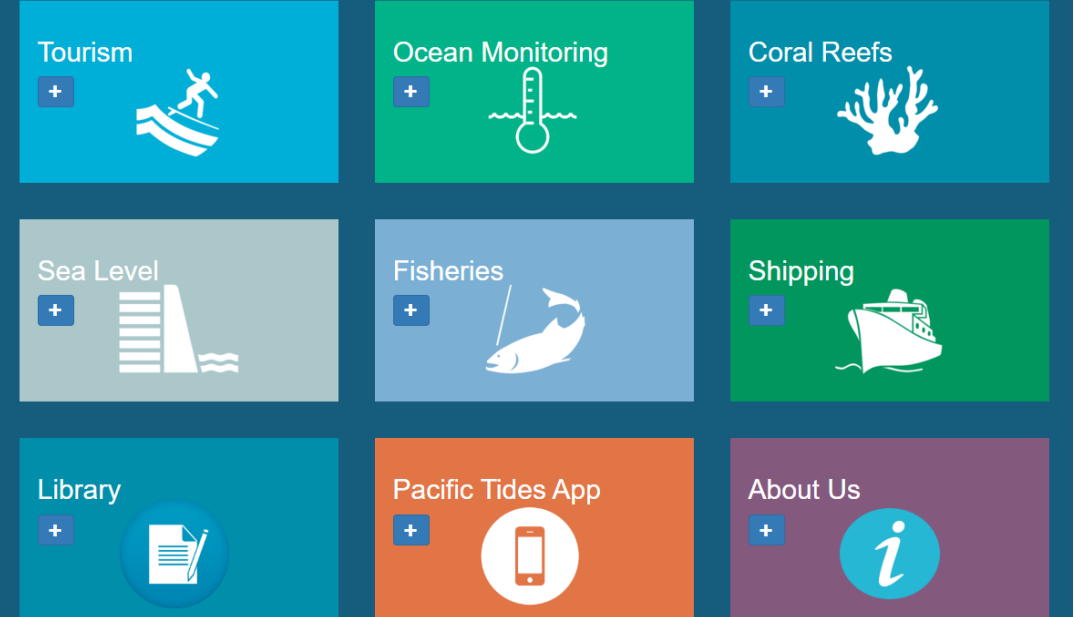
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- Concept note to AF for a regional CoastPredict project
- IMOS funding to improve ocean observations in the region
- Collaboration with the Australian Ocean Data Network
- International exchange of wave buoy data
- State-of-the-art data management system for ocean observations
- Revamp Pacific Ocean Portal including access to regional real-time wave buoy and tide gauge data as well as national ocean forecast
- Capacity building: National Ocean Science to Services Training Workshop
  - American Samoa
  - Marshall Islands
  - Palau

## Pacific Ocean Portal



# Workplan for 2025



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- Support and enhance ocean observation networks in the region:
  - Fish SOOP in the Pacific
  - Pacific Sea Level and Geodetic Monitoring Network (14 state-of-the-art permanent tide gauges with network of land monitoring stations)
  - Pacific Islands Ocean Acidification Centre (PIOAC) - assists countries in contributing and reporting towards SDG14
  - Network of spotter buoys (Niue, Tuvalu (CIS Pac-5), Samoa, Kiribati (ClimSA))
  - Initiate Marine water quality monitoring programme with probes and environmental buoys (Cook Islands, Tuvalu, Niue)
  - LiDAR surveys (Marshall Islands, Tonga)
- Support Cook Islands national ocean monitoring programme
- Development of regional SOPs template and support national SOPs for ocean observations
- Actively contributing to Ocean Observations Physics and Climate Panel , and GOOS SC
- PIGOOS webpage/website





# Challenges



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- Lack of national investment in sustained ocean observing systems - No national ocean observing system
- Limited coordination across ocean disciplines and sectors
- High cost of procurement and communication due to limited volume of purchase
- Limited national capacity to maintain and sustain ocean observing systems
- Limited awareness in the region on GOOS work
- No GOOS NFP in PIGOOS region
- Poor curation of ocean data in the region

# Support required from GOOS and other GRAs



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- Funding support to improve ocean observations
- Technical guidance for ocean observation best practices
- Collaboration and partnership with neighbouring GRAs



# Thank you



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