



The Global Ocean Observing System



Project Update: Tropical Pacific Observing System (TPOS)

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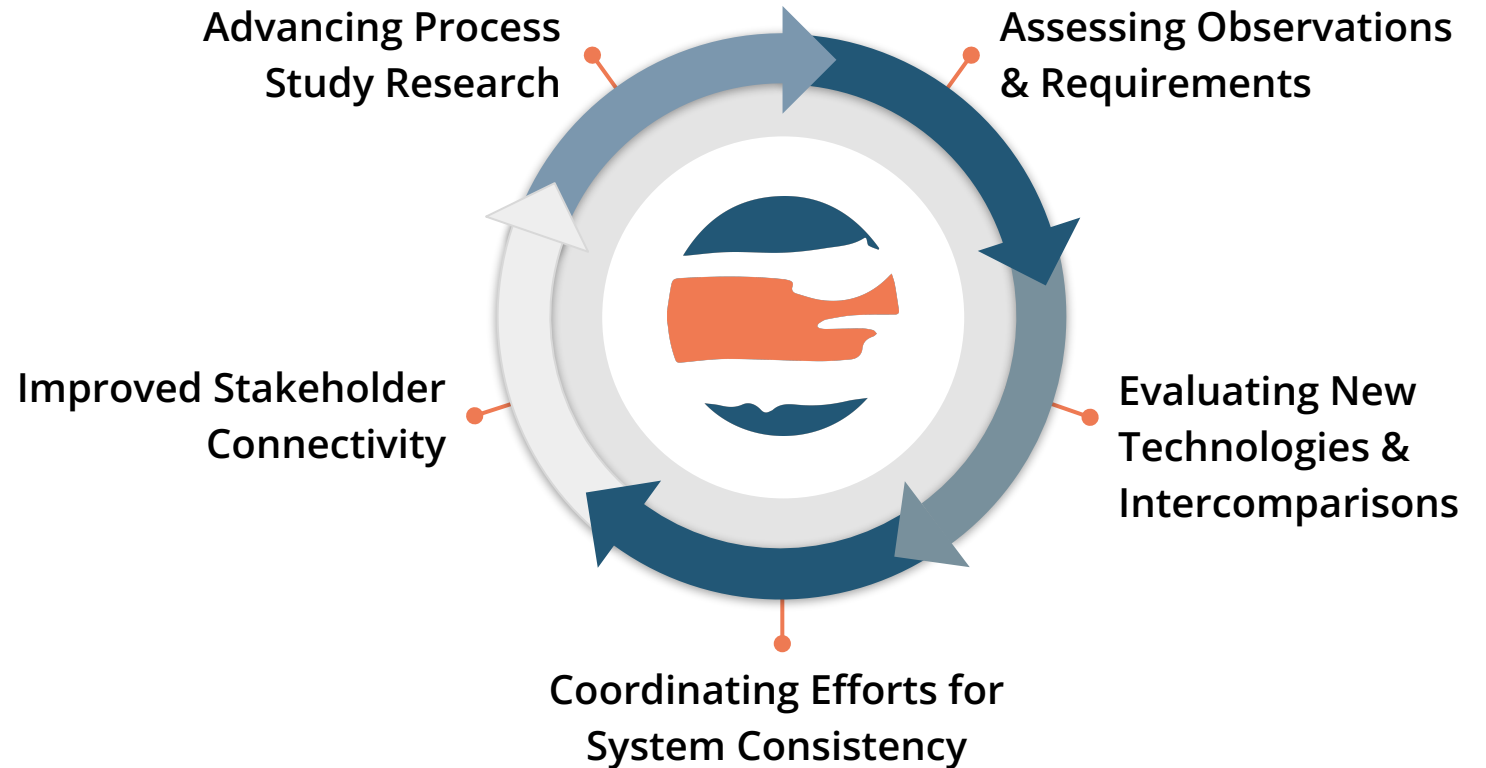
On behalf of TPOS leadership: Billy Kessler, Fei Chai, Iwao Ueki, Lucia Upchurch

GOOS Regional Alliance Forum XI | 9 April 2024

TPOS

Current Status: TPOS Implementation

- Updated **TPOS governance**
 - Scientific Advisory Committee
 - Implementation Coordination Group
- Priority recommendations are being addressed and/or in planning:
 - **Recapitalizing TAO** array
 - Deploying more **Argo** floats
 - Joint ECMWF-JMA-NOAA **observing system experiments**
 - Process study: **TPOS Equatorial Pacific Experiment (TEPEX)**
 - Land-based & in-water **multi-institution instrument intercomparison**

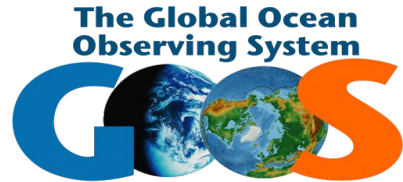


Desired Engagement with GRAs

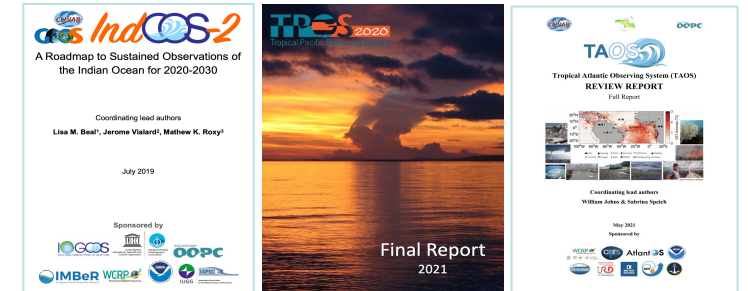
- **Top-level goals:**
 - Establish relationships within the three most TPOS-relevant GRAs to make connections for potential/future engagements
 - Explore GRA and WMO Regional connections
- **NEAR-GOOS**
 - Increase stakeholder advocacy to address and sustain observing system requirements
- **GRASP**
 - Build on previous work with WMO RA-IV in the Eastern Pacific to promote data cooperation, data sharing, etc.
- **PI-GOOS**
 - Establish connections and incorporate Pacific Island perspectives, priorities, contributions



TPOS Challenges



WORLD
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TPOS Sustainability

Evolving from a project → ?
formally in the GOOS and/or
WMO landscape?

Establishing longevity &
sustainability mechanisms for
implementing and tracking
recommendations

Stakeholder Advocacy

Building and sustaining
advocacy for regional
investments with involvement
in design and implementation

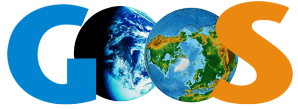
Addressing the 'undone'
components of TPOS 2020

Pan-Tropic Connectivity

Addressing shared challenges
and identifying synergies to
strengthen connections within
& across the tropics

GOOS-led: leverage regional
efforts and identify
opportunities to build
engagement





The Global Ocean Observing System

Thank You

www.tropicalpacific.org



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Intergovernmental
Oceanographic
Commission



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UN
environment
programme

International
Science Council

The logo for TPOS 2020, featuring the letters 'TPOS' in a stylized font with a globe, and the year '2020' in a red box. Below it, the text 'Tropical Pacific Observing System' is written in a smaller font.

TPOS 2020
Tropical Pacific Observing System

A photograph of a sunset over the ocean. The sky is filled with orange and yellow clouds, and the sun is low on the horizon, casting a golden glow over the water.

Final Report
2021