

The Global Ocean Observing System

# **GOOS Regional Alliance Council Meeting**

## **16 April 2025, online**

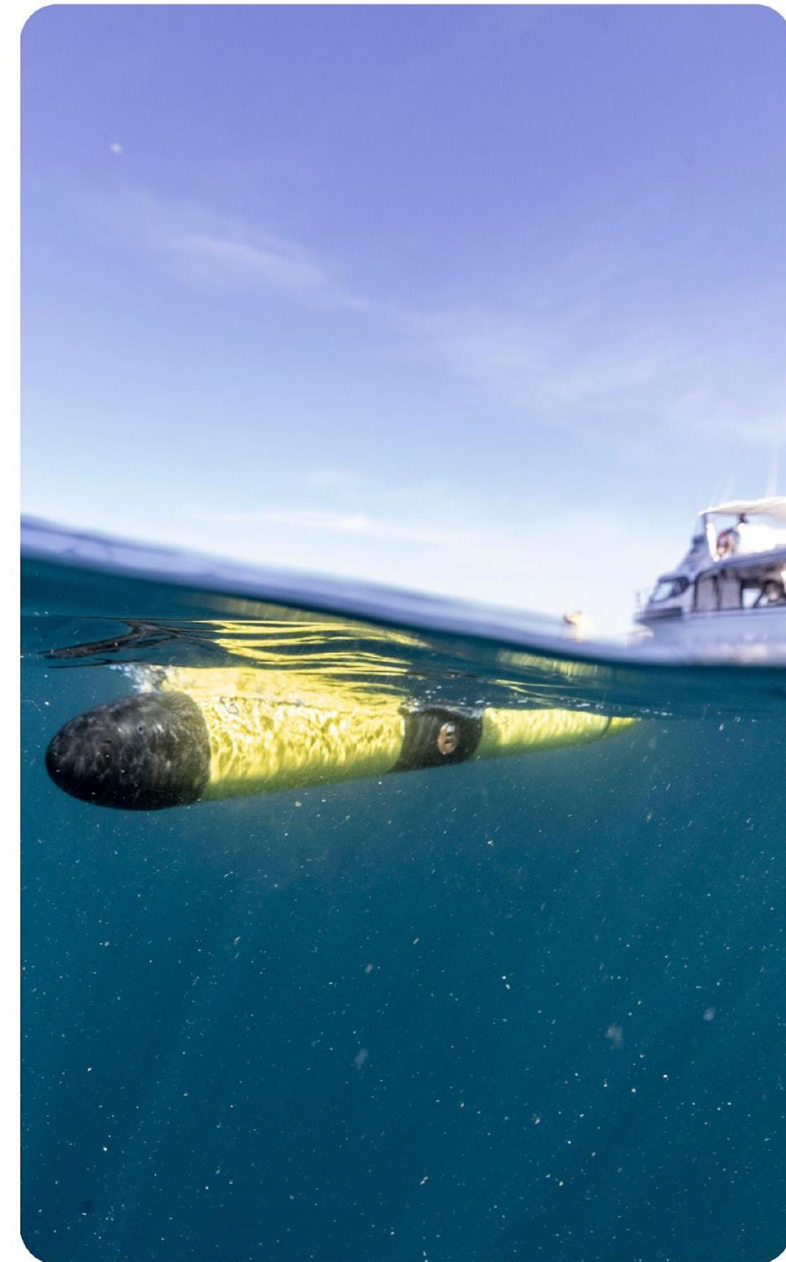
### **IMOS update**

Michelle Heupel

Integrated Marine Observing System

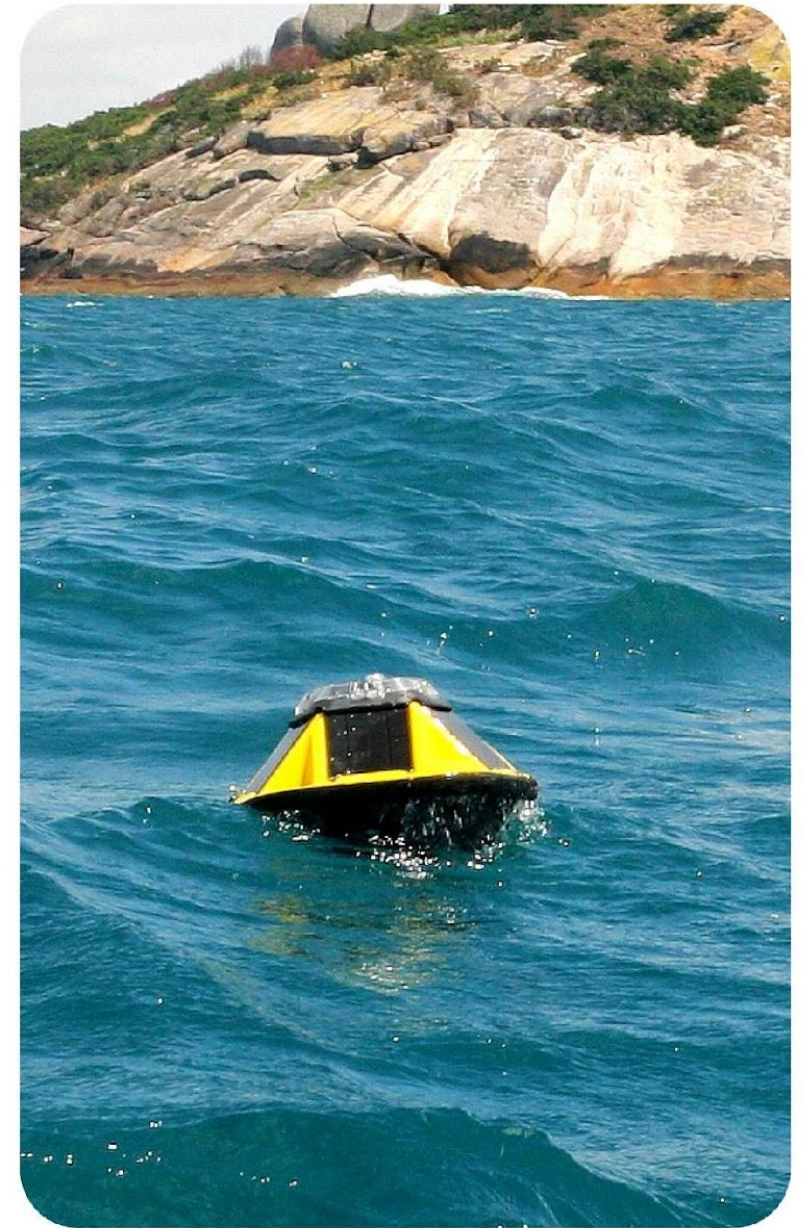
# Progress and Achievement in 2024/2025

- IMOS Australian Ocean Data Network (AODN) was accredited as a National Ocean Data Centre. The team are modernising our data portal and developing a near real-time data platform.
- IMOS gliders have now done over 380 missions covering over 215,000 km.
- IMOS has begun investing in deep Argo floats to supplement other Argo investments.
- IMOS has established a Fishing Vessels of Opportunity network collecting temperature and depth data in partnership with Australian fishers.
- IMOS has employed an Indigenous Partnerships Coordinator to help increase inclusion of Indigenous people in ocean observing.



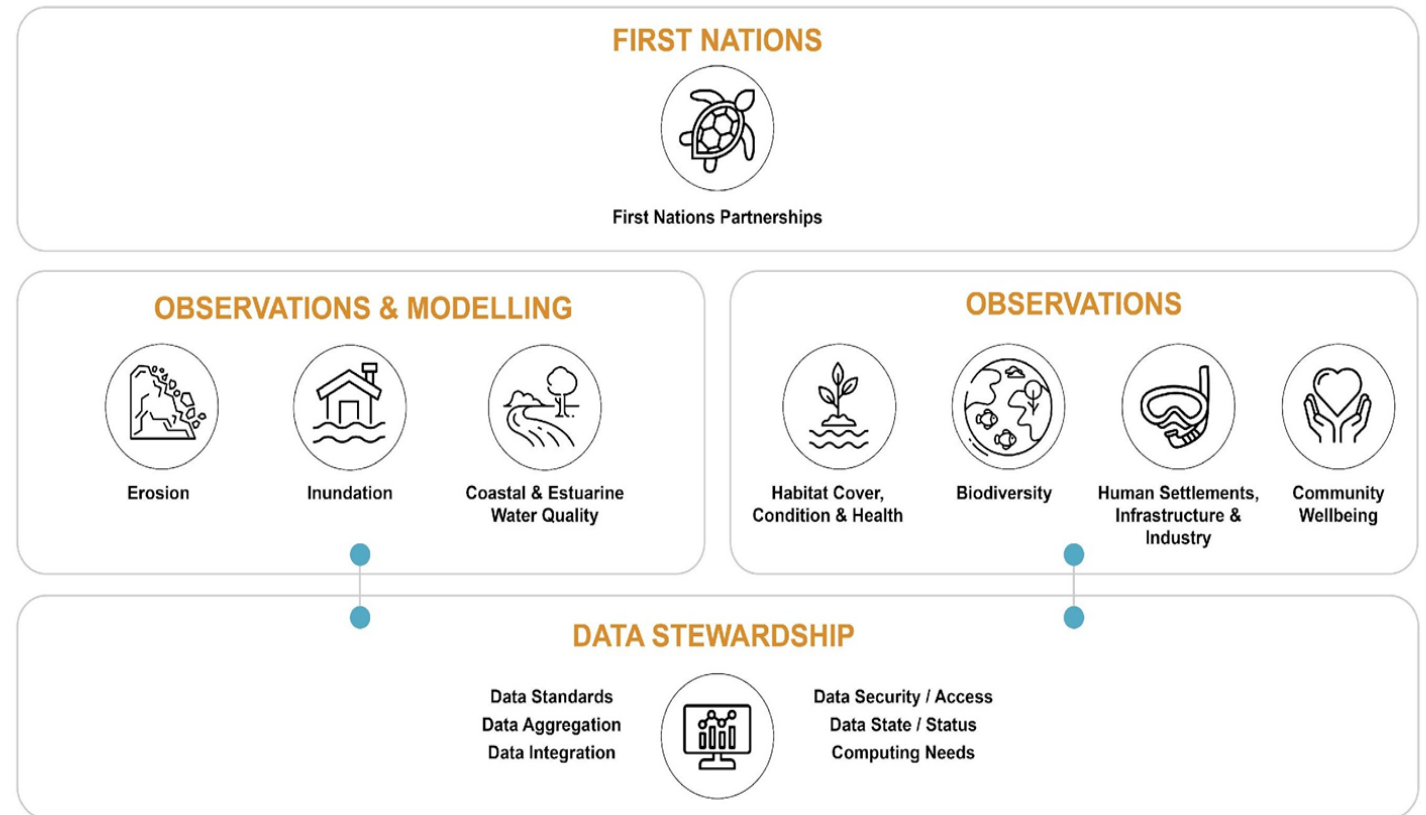
# Work plan 2025 and onward

- In 2026 IMOS will celebrate 20 years of operation. Plans for celebrating this milestone are in progress.
- IMOS is working to establish a national coastal research infrastructure - CoastRI.
- IMOS is developing a revised Decadal Strategy planned for release in conjunction with World Ocean Day in June.
- The Australian Government develops a research infrastructure plan every 5 years to inform its investments, IMOS will be working to inform this process and ensure continued funding.



# Challenges & Opportunities

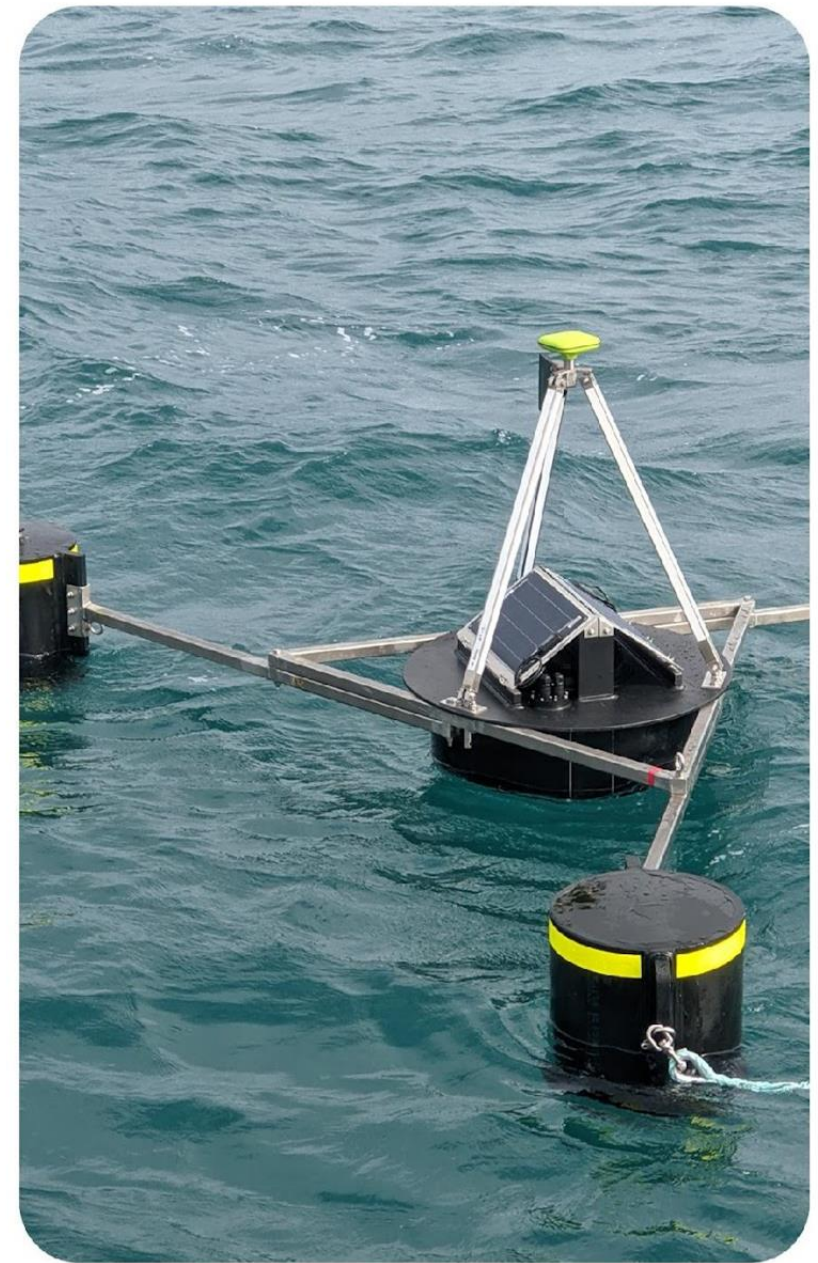
- IMOS is working to establish a national coastal research infrastructure - CoastRI ([www.coastri.org](http://www.coastri.org)). This is a collaboration of 13 research infrastructure capabilities, led by IMOS, to understand coastal change and inform planning.
- While IMOS base funding is available until mid-2027, work is needed to secure coastal expansion and full operations until 2028 when the current funding cycle ends. Funding applications for CoastRI and other IMOS initiatives will be submitted later this year.





# Support needed from GOOS

- Guidance on GOOS messaging that we can/should be relaying to government and others. Specifically, common wording that we can all use when needed.
- Identification of common global priorities that GRAs can promote. For example, increased investment in Argo off Africa and in the Southern Ocean to improve our understanding of sea level rise and improve climate models. How can we work together to create global-scale solutions?



# Best Practices/Lessons Learned

- The OBPS-IMOS community repository has 62 submissions: 55 reports/manuals, 7 videos.
- IMOS has developed a framework to guide the community in developing practices that align with the OBPS requirements. It outlines:
  - The submission process to the OBPS Repository
  - The maturity model used for classifying practices (good, better, or best practice)
  - IMOS criteria for endorsing practices
  - Roles and responsibilities of the IMOS Office and Facilities
- The first IMOS-endorsed practice under the new OBPS process, is a QA/QC document from our Animal Tagging Facility.



View the  
endorsed  
document



View the  
framework

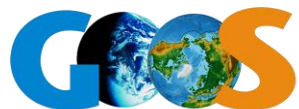


## IMOS FRAMEWORK FOR THE SUBMISSION OF PRACTICES TO THE OCEAN BEST PRACTICE SYSTEM

Generic Guidance for the IMOS Community

January 2025





The Global Ocean Observing System

# Thank you



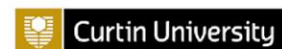
Australia's Integrated Marine Observing System is enabled by the National Collaborative Research Infrastructure Strategy (NCRIS). It is operated by a consortium of institutions as an unincorporated joint venture, with the University of Tasmania as Lead Agent.

## PRINCIPAL PARTICIPANTS



SIMS is a partnership involving four universities

## ASSOCIATE PARTICIPANTS



IMOS thanks the many other organisations who partner with IMOS, providing co-investment, funding and operational support, including investment from the Tasmanian and Western Australian Governments.