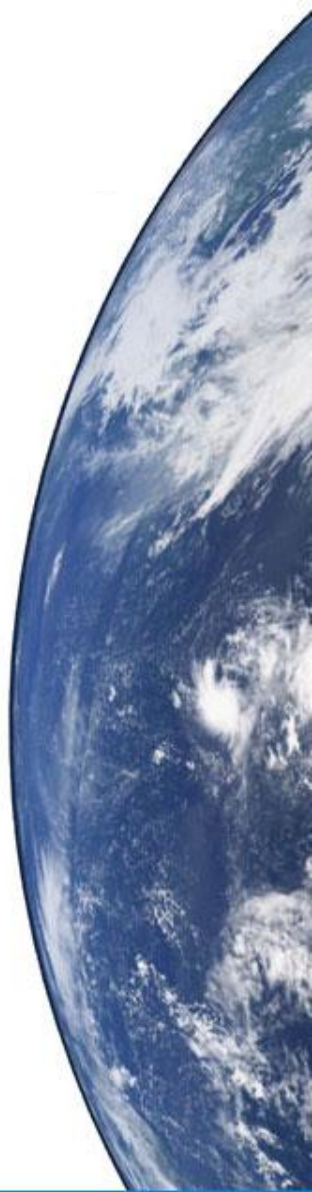




GRA Background Report **PIGOOS**

**Jerome Aucan
Bipen Prakash**

*GOOS Regional Forum-11,
8-9 April 2024 Barcelona, Spain*



UNESCO
UNITED NATIONS
EDUCATIONAL
SCIENTIFIC
AND
CULTURAL
ORGANIZATION



IOC



WMO



UNEP



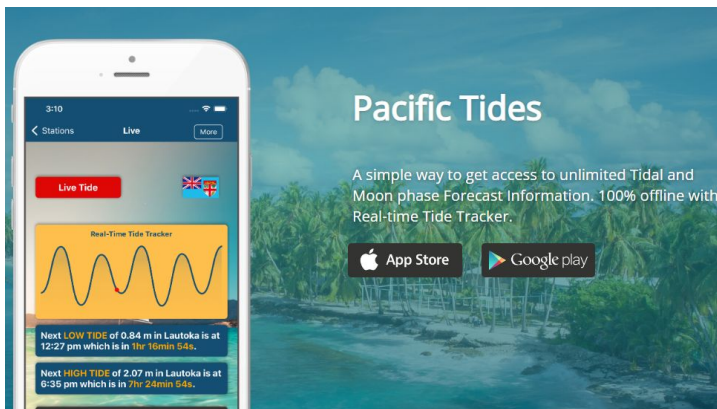
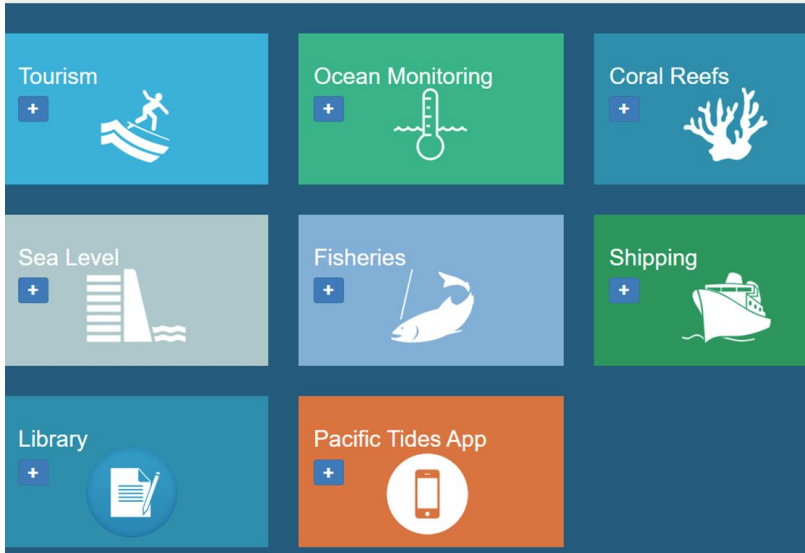
ICSU

Success Stories

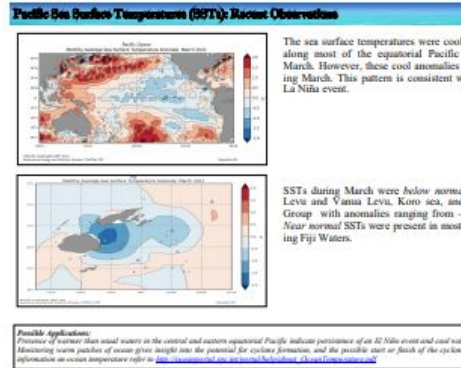
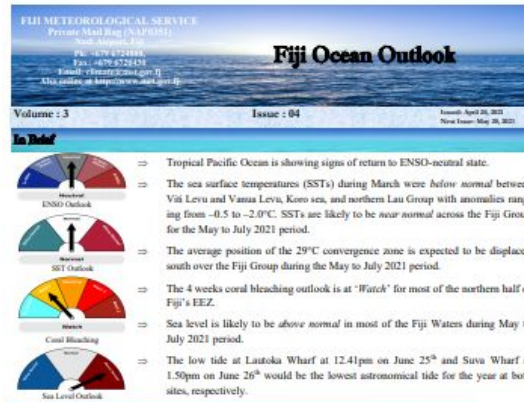
- A new beginning ...
- ... building on strong foundations



Pacific Ocean Portal



<https://oceanportal.spc.int/portal/ocean.html>

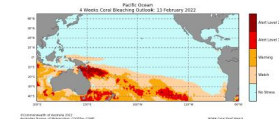
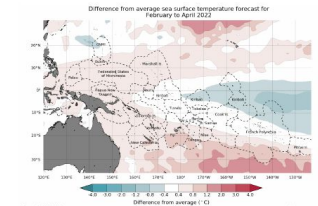


Australian Aid Project: Climate and Oceans Support Program in the Pacific (COSPPac)

Seasonal Prediction Project (SPP)

Pacific Islands – Ocean and Climate Outlook Forum No. 172 Summary Report

Australian Aid Project: Climate and Oceans Support Program in the Pacific (COSPPac)





2021
2030 United Nations Decade
of Ocean Science
for Sustainable Development

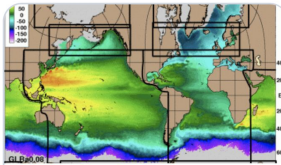


Pacific
Community
Communauté
du Pacifique



The Pacific Community Centre for Ocean Science

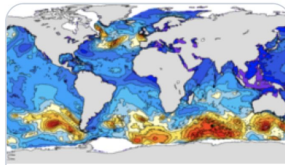
PCCOS website and catalogue : <https://pccos.spc.int>



HYCOM Global Ocean model Forecast

Extraction of the operational Hycom global ocean forecast system at 1/12° for the Pacific region.

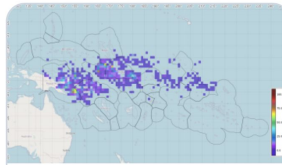
[View](#)



MFWAM 1/12° Global Ocean Waves Forecast

Extraction of the operational global wave forecast system of Météo-France with a resolution of 1/12° for the Pacific region.

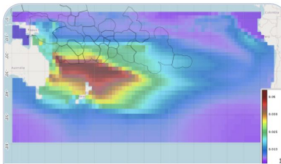
[View](#)



Public Domain Aggregated Catch/Effort Data - Purse Seine data (1° x 1° - monthly)

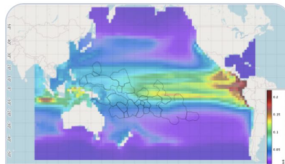
PURSE SEINE fishery data compiled by the Western and Central Pacific Fisheries Commission (WCPFC).

[View](#)



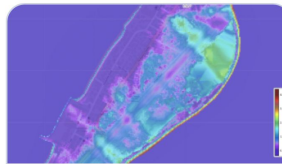
SEAPODYM 2° model hindcast

Tuna biomass (skipjack, albacore, yellowfin and bigeye tuna) variability over the Capture d'écran 2010 simulated by the Spatial Ecosystem and



SEAPODYM 2° model projection

Projection of tuna biomass (skipjack, albacore, yellowfin and bigeye tuna) in response to climate change simulated by the Spatial Ecosystem and



TCAP inundation Depth (Tuvalu)

Inundation Depth (Tuvalu) from TCAP project under different SSP IPCC scenario

Solomon Islands ocean circulation forecast at 1/100°

Ocean circulation model forecast of the Solomon Islands developed by PCCOS.

Simulations performed using CROCO with an horizontal resolution of 1/100°.

The model is forced at the boundaries by the larger scale Solomon Sea ocean circulation forecast model at 1/36°. Atmospheric forcing (wind, heat fluxes, etc.) is provided by the GFS forecast system. Tides are forced at the boundaries using FES2014.

This product has not been validated against in situ data. PCCOS/SPC does not warrant or suggest that this data is fit for any particular purpose.

[Data source](#)

Information

Notification

Variable

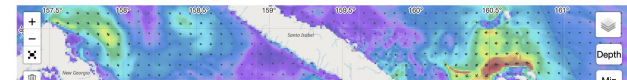
Surface current amplitude

Area

Model domain

[Copy Link](#)

Surface current amplitude (m/s)



PCCOS TDS Server

Catalog

Dataset	Size	Last Modified
SOLMONI00_CROCO/		
Solomon100_lev_20230909.nc	12.54 Gbytes	2023-09-09T19:08:35.189Z
Solomon100_lev_20230910.nc	12.54 Gbytes	2023-09-10T19:12:06.241Z
Solomon100_lev_20230911.nc	12.54 Gbytes	2023-09-11T19:14:46.215Z
Solomon100_lev_YYYYMMDD.txt	9.0 bytes	2023-09-11T19:14:46.223Z
Sigma_Levels		

Building Regional Ocean Science Capacity

- Structuring the Pacific ECOP Network
- In country capacity development for Ocean leadership.
- Annual ECOP Talanoa
- Internships, Fellowships, international conference attendance
- Training opportunities



Priorities

- Short term (in the next year or two)
 - Stock-take on what has happened over past years and collate lessons learnt
 - Coordinate the development of a regional Ocean Observation strategy and 5–10-year vision
 - Develop Capacity building activities for ocean observations in countries through existing projects.
 - Develop PI-GOOS MEL, communication strategy and resource mobilization strategy.
 - Coordinate with other GOOS projects and GRAs (TPOS, IMOS, PacIOOS, UN Decade)
 - Coordinate with existing projects that include ocean data collection.
 - Streamline data curation, archiving and distribution to ensure ocean data and derived products benefit the region.

What support do you need from GOOS?

- From GOOS structures (Steering Committee, panels, the Observations Coordination Group and JCOMMOPS, GOOS Office)?
 - Framework and guidance
- From other GRAs?
 - Lessons learned and best practices
- From the GRA Forum?
 - Make new friends !