

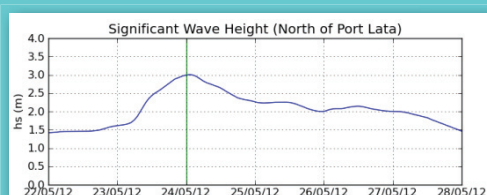
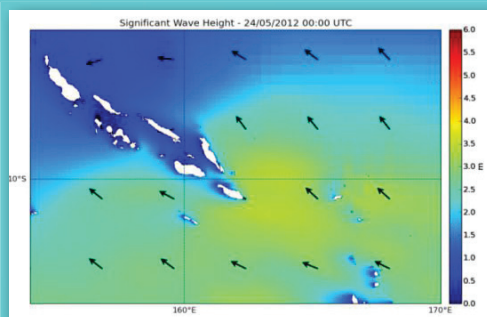
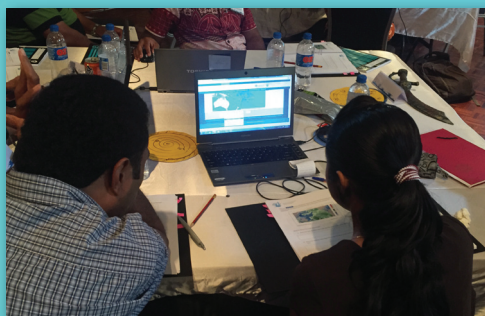
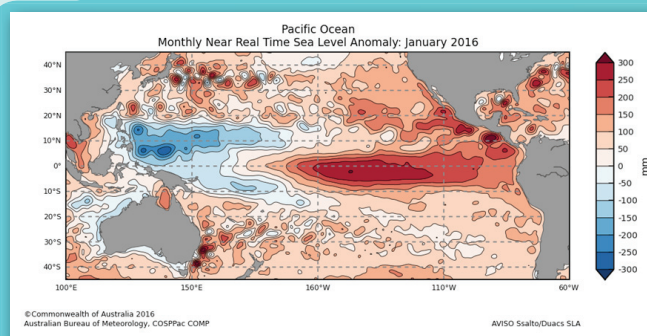
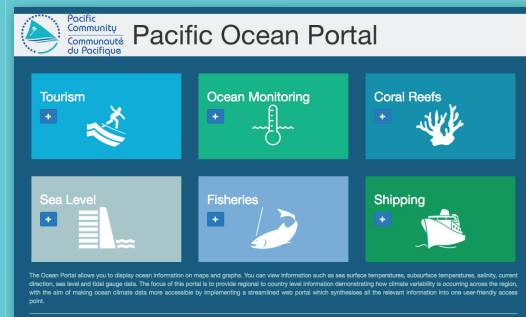
# The Pacific Ocean Portal

[oceanportal.spc.int](http://oceanportal.spc.int)

**Know  
your Ocean!**

## What is the Pacific Ocean Portal?

- A user-friendly, open access online tool
- The place to go for historical and near real-time Pacific Ocean data
- Data are displayed visually, as downloadable maps and graphs
- Files are low bandwidth, ideal for slow internet speeds
- Developed for non-technical users
- Data are based on historical records, are streamed from satellites, and obtained from ocean-based equipment as well as computer models



## What information is on the Portal?

- Near-real time tide and weather observations from 14 locations
- Wave climate reports with a summary of wind and wave statistics for 200 locations
- Seasonal and long-term sea level trends
- Daily and forecast sea surface and subsurface ocean temperature
- Daily salinity and chlorophyll levels
- Forecast current direction and speed
- Forecast sea and swell wave height, period and speed
- Forecast wind speed
- Coral bleaching alerts
- Helpfiles with details about the data and how to interpret the information

# How can I use the Portal?

## Are you a ....



### Student or researcher?

- The portal can produce maps and graphs of **ocean conditions** on a given date at a given location to **inform your research**.
- **Maps and graphs** can be pasted into presentations and papers.
- Helpfiles provide details about data sources, **how to interpret** the maps and graphs, and where to go to **learn more**.



### Climate change policy advocate?

- Sea level rise graphs and sea surface temperature anomaly maps can **demonstrate effects of climate change** in the region or your country.
- Maps and graphs can be pasted into presentations, papers, facebook posts, and factsheets for **advocacy**.



### Fisherman/woman?

- Actual and predicted tide, currents, wind and wave forecasts can help you **plan your fishing trip**.
- Seasonal sea surface temperature forecasts can highlight likely **fishing hotspots**.
- Coral reef bleaching alert can advise you when to reduce fishing to **minimise stresses to your local reef**.



### Tourism operator?

- Actual and predicted tide, currents, wind and wave forecasts can **improve planning** for ocean-based recreation and **ensure safety** of dive boats or day cruises.
- Historical wave climate and inundation information can inform the **development of** your **oceanfront property**.
- Wave and wind forecasts can inform you and your visitors when your local **surf break** will be **most fun** for the appropriate skill level.



### Coastal community member?

- Coral reef bleaching outlook can alert you when to reduce fishing and other reef stresses to **maximise recovery**.
- Actual and predicted tide, currents, wind and wave forecasts can inform coastal activities.
- Historical wave climate and inundation information can **inform the development** of your coastal zone.
- Maps and graphs can be pasted into **facebook posts** or presentations for information and advocacy.



### Ship captain?

- Actual and predicted tide, currents, wind and wave forecasts can aid in **route planning**.
- Current forecasts can be incorporated into route planning to **minimise delays** and **fuel costs**.
- Ocean current forecasts can be used to trace paths of people lost at sea and drifting survivor craft to **improve search and rescue** efforts.

## Know your Ocean!

Visit [oceanportal.spc.int](https://oceanportal.spc.int) to learn more