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.

**Climate and Oceans Support Program in the Pacific**

Know your Ocean!
Visit [oceanportal.spc.int](http://oceanportal.spc.int) to learn more