The Australian Forum for Operational Oceanography

Improving the safety and efficiency of Australia's marine industries through better decision making.

Operational Oceanography

Operational Oceanography is like weather monitoring and forecasting for the ocean. It can provide estimates of essential ocean variables (e.g. sea level, temperature and currents) for the present and the future, as well as for the past.

Operational Oceanography can be used to improve safety of life at sea, help create wealth, and assist in the security and protection of the marine environment. Outputs can be used to generate data products, applications and services through national authorities, as well as in some cases through other organisations such as metocean service providers and environmental consultants.

Applications

Warnings about coastal floods, storm impacts, harmful algal blooms and contaminants.

Electronic charts, sea state conditions, optimum routes for ships.

Prediction of primary productivity, ocean currents, ocean climate variability.

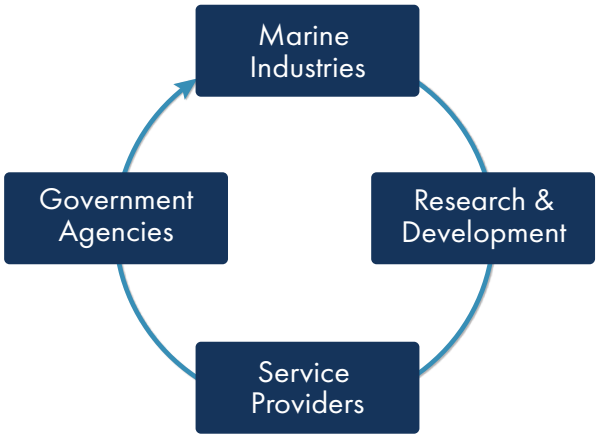
Modelling of and response to oil spills and dredging.

foo.org.au

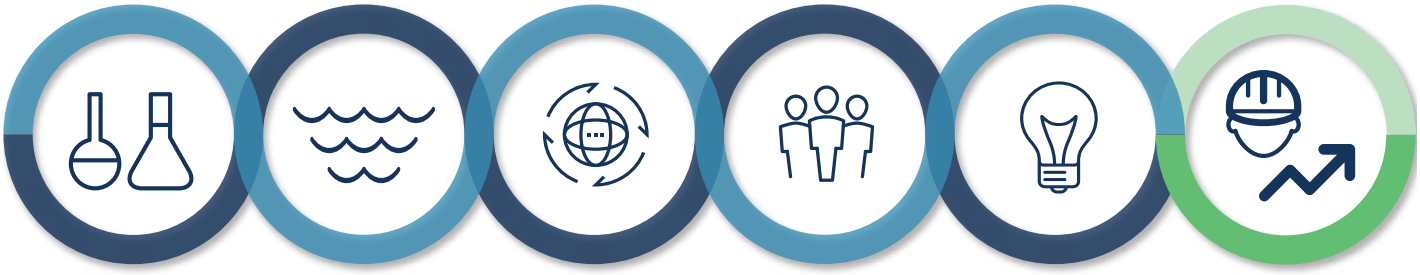
The Australian Forum for Operational Oceanography

The goal of the Forum for Operational Oceanography is to improve the safety and efficiency of marine industries through better decision making. This requires better industry processes and trained staff. Achieving improved safety and effeciency requires better operational oceanographic services from government, and industry. It requires a solid foundation of world class research and development. This is the value chain for operational oceanography in Australia.

The Four Pillars of Operational Oceanography



Operational Oceanography Value Chain



FOO Biennial Meetings

The FOO community meets every two years to review progress of its objectives, to assess present capabilities, engagement and needs, to explore uses and users of operational oceanography, and to focus on key topics of interest. The next meeting is scheduled for 2025.

FOO Working Groups

The FOO community prioritises issues most critical to the development of operational oceanography in Australia.

Please contact FOO if you would like further information.

Surface Waves Working Group

Get involved

The FOO community is always seeking new members from each of the 'four pillars' to contribute to Working Groups or attend the Biennial Meeting.

For more information please visit the website or email Richard Saunders (Integrated Marine Observing System) at richard.saunders@utas.edu.au.

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