



## IMOS Bulletin

### Issue #18 March 2012

Welcome to the IMOS Bulletin. Please feel free to distribute this email bulletin to others. The Bulletin is also available for download from the website at <http://imos.org.au/bulletin.html>.

If you have any comments or questions regarding the IMOS Bulletin please contact the IMOS Project Officer, Marian Wiltshire, via email [Marian.Wiltshire@utas.edu.au](mailto:Marian.Wiltshire@utas.edu.au).

### Launch of the new IMOS Ocean Portal Monday 2 April

The new portal will be launched **Monday 02 April** with an unchanged URL.

New features of the portal includes:

- Improved search, including the ability to search on spatial extent, temporal extent, keyword, parameter and organisation.
- View search results on the map.
- Easier access to data including a shopping cart feature.
- A forum to get help and to influence future portal development.
- More new features and enhancements will appear regularly.

## New Deployments

This section will list any new Facility deployments in the previous month

**Argo-** a total of 18 Argo floats have been deployed since January, one in the Indian Ocean (by the Lady Amber), four in the Tasman Sea (by the Norfolk Guardian) and 13 in the Southern Ocean (be the *Aurora Australis* and *L'Astrolabe*).

**Ocean gliders-** Four Slocum gliders have been deployed recently; one each off the Kimberley and Pilbara coast (WA) in February, on the Two Rocks (WA) line in February and in Storm Bay (TAS) in March.

**Autonomous Underwater Vehicle (AUV)** – The AUV is currently being deployed at Ningaloo Reef (WA).

IMOS is supported by the Australian Government through the National Collaborative Research Infrastructure Strategy and the Super Science Initiative.

It is led by the University of Tasmania on behalf of the Australian marine & climate science community.

**National Mooring Network**-The Kimberley and Pilbara shelf mooring arrays were deployed in February. The South-East Queensland shelf mooring array was deployed in March and the acidification mooring near Kangaroo Island in SA was deployed in February.

**Ocean Radar**- The Wera HF ocean radar was deployed in March at Coffs Harbour (NSW).

**Animal Tagging and Monitoring** – The Ocean Tracking Network acoustic curtain was deployed near Maria Island in Tasmania in February.

## New Data Streams

This section will list any new data streams that are publically available via the IMOS Ocean Portal <http://imos.aodn.org.au/webportal/> in the previous month.

### Ships of Opportunity

Biogeochemical- CO<sub>2</sub> data for seven new cruises of the RV *Southern Surveyor* (SS2010\_V08, SS2010\_V09, SS2011\_C01, SS2011T01, SS2011T02, SS2011V01, SS2011V02) and one new cruise of the *Aurora Australis* (AA2011\_VMS) are now available through the Portal.

Bio-acoustic – Data from for four new cruises of the Southern Champion and two new cruises of the Austral leader are now available through the portal.

**Ocean gliders** - Processed data is available on the portal for three Seaglider missions (Perth 20110626, Bicheno 20110406, NSW 20110810) and seven Slocum missions (Two Rocks 20110310, 20110913, 20110610, 20110818, Storm Bay 20110926, NSW 20110810, Kimberley 20111121).

Reprocessed NetCDF files for 35 Slocum glider missions and six Seaglider missions are also available now. They all now have surface water current velocities, calculated from parked glider drift velocity between GPS fixes.

**National Mooring Network**-The majority of mooring data from the NSW and QLD & Northern Australia sub-facilities has been re-processed with the IMOS Matlab Toolbox (v2.1b), uploaded and is now available via the portal. This includes the first data from the Indonesian Throughflow shelf (ITF) moorings and sensor data from National Reference Stations (NRS) at Yongala, Darwin, and Ningaloo.

A new portal layer has been created for the Acidification moorings, currently linked to basic metadata records and raw data from Maria Island (TAS).

NRS Biogeochemical sampling; pigments data is now available in a new Excel format.

**Ocean radar** -Gridded 1 hour average product (QC data) is available for Rottneest Shelf for the period May-November 2011.

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**Satellite Remote Sensing-** Bio-Optical Database- two new Deployments at the Great Barrier Reef from 2002 have been added to the database. Satellite altimetry- data from two deployments in Bass Strait (Apr-Aug 2011) and Storm Bay (Mar-Aug 2011) is available from the portal.

## Recent & Upcoming Events

For a full list of upcoming conferences please visit the Calendar page at <http://imos.org.au/calendar.html>. If you would like an event or conference featured on our website calendar please contact Marian Wiltshire via email [Marian.Wiltshire@utas.edu.au](mailto:Marian.Wiltshire@utas.edu.au)

**23-27 April 2012** 10th International Conference on Southern Hemisphere Meteorology and Oceanography. Nouméa, New Caledonia. <http://www.colloque.ird.fr/icshmo-2012/index.html>

**4 May 2012** 100 Years of Antarctic science – celebrating a century of Australian Antarctic endeavour. Science at the Shine Dome, Canberra.

<http://science.org.au/events/sats/sats2012/symposium.html>

**21-24 May 2012** Oceans 2012 MTS/IEEE Conference Yeosu, Korea.

<http://www.oceans12mtsieeeyeosu.org/>

**21-23 May 2012** GCOCS Global Conference Oceans Climate Security, Boston USA. Details at: [http://www.gcocs.org/call\\_for\\_abstracts.html](http://www.gcocs.org/call_for_abstracts.html)

**14-15 June 2012** Australian Coastal Ocean Radar Network Workshop at James Cook University, Townsville, QLD. If you are interested in attending the workshop, email Prof Lucy Wyatt [Lucy.wyatt@jcu.edu.au](mailto:Lucy.wyatt@jcu.edu.au). If you want to present some results of your HF radar related research, or you are a potential user of the data and want to present something about your requirements in terms of e.g. data products, location, coverage, resolution; please send a title and a very short abstract by **10th April 2012** to Lucy.

**1-5 July 2012** Australian Marine Sciences Association Inc. and the New Zealand Marine Science Society joint Conference, Hobart Tasmania. Abstract submission closes **31<sup>st</sup> March**. Registration is now open. Details at: <http://www.amsa-nzmss2012.com.au/>

**4-6 July 2012** The Australian Antarctic Division and Antarctica New Zealand are holding the first joint Antarctic and Southern Ocean Science Conference, Hobart Tasmania.

**2-13 July 2012** International Phytoplankton Identification Course 2012, Plymouth, UK. The workshop is aimed at all those working in the marine phytoplankton field and participants will

be expected to have a basic knowledge of microalgae. Further details on the course and an application form can be found [www.mba.ac.uk/phytoplankton-workshop](http://www.mba.ac.uk/phytoplankton-workshop)

**17-21 September 2012.** Coast to Coast, Brisbane, QLD. For more information <http://www.coast2coastconference.com/> Abstracts are due on **30 April 2012**.

**27- 29 September 2012** 4th Argo Science Workshop, Venice, Italy. For this Argo Workshop, abstract submission (oral and poster presentations) is open until **April 30, 2012**. For more information: <http://www.ifremer.fr/forms/?p=558>.