



IMOS Bulletin

Issue #11 February 2011

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 McGowen, via email Marian.McGowen@utas.edu.au.

5th IMOS Annual Planning Meeting, Hobart- Over 70 participants gathered in Hobart on 15-17 February for the Annual Planning Meeting. Participants including the Chair of the IMOS Advisory Board, the IMOS Director, the IMOS Advisory Board, and IMOS staff and stakeholders from the facilities, nodes and operators across Australia.

The meeting is an opportunity for the whole IMOS community to share and discuss:

- the key achievements and plans for deployments and data delivery out to June 2012;
- Science and Implementation Plan Highlights, strategies to promote data uptake and stakeholder engagement from each of the science Nodes;
- data management plans and the development of the IMOS Ocean Portal through the data management facility based at UTAS.

This meeting is also an important step to finalising the Annual Business Plan for the Department of Innovation, Industry, Science and Research (DIISR).

Cyclone Yasi damages IMOS infrastructure – on its path to the Queensland coast on 3 February Cyclone Yasi passed through a region that has a range of IMOS infrastructure. While the majority of the IMOS infrastructure in the region was unharmed, unfortunately the Cyclone has caused damage to:

- The ocean colour observatory at Lucinda Jetty was destroyed, however the loss was minimised by the retrieval of the computer equipment and instrumentation from the site in late January,
- The wireless sensor networks at Davies and Rib reefs and Orpheus Island have sustained damage to the moorings, with damage to the instruments to be determined,

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- The Yongala National Reference Station and the acidification mooring adjacent to the site have sustained damage to the moorings and instruments, with the extent to be determined.
- The animal tagging and monitoring system at Orpheus Island may have sustained some damage, however this will not be confirmed until the next servicing and downloading in April.

The IMOS office has informed DIISR and will work with the Operators of this infrastructure to ensure data interruptions are kept to a minimum and any damage rectified as soon as possible. In the upcoming 2011/12 Annual Business Plan IMOS will provide an update to DIISR, including any effect on the agreed Milestones.

New Deployments

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

Argo- 3 Argo floats were deployed from the Cargo Ship Buxlink on the 3rd February in the North Pacific Ocean.

Deep water moorings - The first Blue Water mooring array was deployed in January 2011 from the RSV *Aurora Australis*. The Polynya mooring array will monitor the transport and properties of Antarctic Bottom water that outflow to the deep Southern Ocean from the Antarctic continental shelf south of Australia. The mooring array will be deployed for 2 years and will be recovered and redeployed during the 2012-2013 austral summer.

Ocean gliders- Two ocean gliders have been deployed; a slocum glider off the coast at Marion Bay, SA on the 2nd of February, and a Seaglider off the coast of Perth, WA on the 15th of 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- data from the sensors on tropical research vessels RV *Solander* (February-December 2010) and RV *Cape Ferguson* (April-December 2010).

Ocean gliders- Real time slocum glider data from Marion Bay, SA.

Ocean radar- 1 hour average Quality Control current data is now available for the South Australia Gulf (WERA) site. Data available from July 2010 to September 2010.

Satellite remote sensing – the new IMOS satellite sea surface temperature (SST) products have been released. The new format called GDS v2.0, was defined in October last year by the International Group for High Resolution Sea Surface Temperature (GHRSSST) to assist with international data exchange and collaboration. IMOS is the first to release these SST products internationally. The new products are now available through the IMOS FTP server (<ftp://aodaac2-cbr.act.csiro.au/imos/>). In early 2011 the facility will incorporate the products into the Australian Ocean Distributed Active Archive Centre (AO-DAAC) before the transition of the AO-DAAC system into the IMOS Ocean Portal. For more detailed information please visit imos.org.au/sstproducts.html

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 McGowen via email Marian.McGowen@utas.edu.au.

14-18 March 2011 Biologging4- 4th International Science Symposium on Bio-logging. Hobart, Tasmania. <http://www.cmar.csiro.au/biologging4/> Registration closes COB Friday **4 March 2011**.

18 March 2011 2nd International Colloquium on Data Provenance and Data Management for eScience (DPDM'11). Melbourne, Victoria. If you are interested in participating this event, You can register DPDM'11 via the following link by **3 March 2011** (Please select the "The 2nd International Colloquium on Data Provenance and Data Management for eScience" option in "Day 3: Workshops" section.): <http://seek.hosting.exacttarget.com/EventManager/EventPage.aspx?ispbk=clear&SUBID=1&JOBID=14194004&MID=84905>. For more information, please visit the DPDM'11 Web site at <http://research.ict.csiro.au/conferences/dpdm2011>.

4-8 April 2011 Greenhouse 2011 The Science of Climate Change. Cairns, Queensland. <http://www.greenhouse2011.com>

30 May -2 June 2011 Phytoplankton Workshop at the Sydney Institute of Marine Science, New South Wales. This course is for people who conduct research involving phytoplankton and wish to further develop their skills in identification. Prospective participants should email Martina Doblin (martina.doblin@uts.edu.au), Shauna Murray (s.murray@unsw.edu.au) or Penny Ajani (penelope.ajani@mq.edu.au) for further details.

6-9 June 2011 Oceans 2011. Santander, Spain. <http://www.oceans11ieeesantander.org/> Early bird registration closes **20 May 2011**.

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27-30 June 2011 Advances in Marine Ecosystem Modelling Symposium 3. Plymouth, UK.

<http://www.amemr.info/>

28 June-7 July 2011 IUGG General Assembly. Melbourne, Victoria. <http://www.iugg2011.com>

Early bird registration ends **11 April 2011**.

7-8 July 2011 The First XBT Science Workshop: Building a Multi-Decadal Upper Ocean

Temperature Record Melbourne, Australia (hosted by the Australia Bureau of Meteorology, venue TBA), immediately following the IUGG XXV General Assembly. For more details as they become available please send an email to this address Aoml.xbt.science.workshop@noaa.gov

to be added to the mailing list, or visit the web site below that will be regularly updated

<http://www.aoml.noaa.gov/phod/goos/meetings/2011/XSW/>

12-15 September 2011 The 40th SCOR Executive Committee Meeting will take place in Helsinki, Finland. Details about the meeting will be posted at [http://www.scor-](http://www.scor-int.org/2011EC/2011EC.htm)

[int.org/2011EC/2011EC.htm](http://www.scor-int.org/2011EC/2011EC.htm) as they become available. **Scientific Committee on Ocean**

Research (SCOR) 2011 Call for Working Group Proposals. The SCOR Secretariat will accept proposals for new working groups from now until **15 April 2011**. Model proposals and other information about working groups can be found at <http://www.scor-int.org/wkgrpinfo.htm>.

Further information about SCOR can be obtained from any of the 3 Australian representatives:

John Volkman (john.volkman@csiro.au), Trevor McDougall (trevor.mcdougall@csiro.au) and Terry Done (tdone@aims.gov.au).

26-30 September 2011 World Conference on Marine Biodiversity. Aberdeen, Scotland, UK.

<http://www.marine-biodiversity.org/>