



IMOS Bulletin

Issue #45 July 2015

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 IMOS Communications, communication@imos.org.au.

IMOS Data Reports

The IMOS data holdings are detailed in a suite of reports generated by the eMII Office on a monthly basis. The summary reports for June 2015 can be downloaded directly via the IMOS website <http://imos.org.au/datareports.html>.

A number of new Ships of Opportunity voyages with Bio-acoustic data (processed and raw) have been uploaded and published on the [IMOS Ocean Portal](#). Vessels include *Austral Leader II*, *Will Watch*, RV *Kaharoa* and the RV *Southern Surveyor*.

IMOS Activity Planning

Future activity planning for the IMOS Facilities is now provided via the IMOS website (<http://imos.org.au/imosactivityplanning.html>). The plans contain details for all the planned deployment/recovery/servicing/sampling etc. activities for the NCRIS 2013 funding period. Plans for 2015-16 will be loaded once the NCRIS 2015 plan is confirmed (expected August 2015).

IMOS Did you know?

This section features various ways in which you can discover, access and use IMOS data.

Searching for the canaries of the marine world

The extensive marine observing capability of IMOS is playing a key role in an exciting new project on marine microbes. [Bioplatforms Australia](#), another NCRIS capability like IMOS, has instigated a pioneering investigation into the life-sustaining microbes that inhabit our oceans.

Marine microbes make up the bulk of the oceans' biomass and have direct relevance to our welfare and economy by influencing fisheries and aquaculture yields, marine ecosystems and even global climate. As canaries provided an early warning sign of dangerous gases in coal mines, aquatic microbes can serve as early indicators of ocean health.

IMOS is a national collaborative research infrastructure, supported by Australian Government. It is led by University of Tasmania in partnership with the Australian marine & climate science community.

A new project, led by [Bioplatforms Australia](#), will use IMOS's marine observing infrastructure and apply its genomics network to perform DNA sequencing to generate the large-scale datasets scientists require to understand fundamental marine processes.

IMOS has been working with the marine microbial community for some time at the proof-of-concept level. But with the power of Bioplatforms Australia's genomics network it can move from concept to a large scale, national project. This is now possible with Bioplatforms Australia's support.

The nationally collaborative project involves scientists from the Australian Institute of Marine Science, CSIRO, Curtin University, Edith Cowan University, Macquarie University, Sydney Institute of Marine Science, University of NSW, University of Queensland and University of Technology, Sydney and will employ Australia's brand new research vessel *Investigator* for some of the sampling work.

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 communication@imos.org.au.

14-18 September 2015 GO-SHIP/Argo/ IOCCP conference on physical and biogeochemical measurements of the water column, Galway, Ireland. <http://www.gaic2015.org>.

5-9 October 2015 11th meeting of the International Conference on Southern Hemisphere Meteorology and Oceanography (ICSHMO), Santiago, Chile. <http://www.icsmo-2015.com/>

30 November – 4 December Goa IO Symposium 'Dynamics of the Indian Ocean: Perspective and Retrospective' <http://www.io50.incois.gov.in>

19-21 January, 2016 9th International Conference on Marine Bioinvasions (ICMB), Sydney, Australia. <http://www.marinebioinvasions.info/>

9-12 February 2016 Species on the Move International Conference, Hobart Tasmania. Abstract submission by **28 August 2015**. For more information <http://www.speciesonthemove.com/>.

8-10 March 2016 IMOS Annual Planning Meeting, Hobart Tasmania. Attendance by invitation only.

3-6 May 2016 4th International Symposium on the Ocean in a High-CO₂ World, Hobart Tasmania. <http://www.highco2-iv.org/>. Abstract submission closes **2 November 2015**.

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