



Australia and New Zealand form the Australia-New Zealand IODP Consortium (ANZIC), and the two countries have access to all IODP activities. This bulletin provides current news, job opportunities, scholarships and events relating to both national and international scientific communities.

For more information contact:  
Website: [www.iodp.org.au](http://www.iodp.org.au)  
Website: [www.drill.gns.cri.nz](http://www.drill.gns.cri.nz)

## GOVERNING COUNCIL MEETING

ANZIC's Governing Council will be meeting at the University of Wollongong on Thursday, October 3rd. Please contact the ANZIC office if you have information or an enquiry for the Council's consideration. Dr Stephen Gallagher will be presenting a public seminar covering the current expedition, 346 on the Asian Monsoon.

The seminar will begin at 12.30 in seminar room 41.153, all are welcome.

## News from the ANZIC Office

It's an exciting time for IODP with three expeditions underway concurrently, JOIDES Resolution in the Japan Sea, Chikyu in the Nankai Trough and MSP Greatship Manisha in the Baltic sea. We wish all three crews and science parties every success.

Neville Exon is back in the office after a quick trip to Washington (25-26 August) to attend the *JOIDES Resolution* Facility Board meeting in place of Chris Yeats. That meeting was essentially about the *JOIDES Resolution* program for 2014 and beyond, and the board confirmed the 2014 program as already planned: South China Sea (Expedition 349) and three Izu-Bonin-Mariana Arc expeditions (350-352).

We congratulate Kelsie Dadd (Macquarie University) on her appointment as a sedimentologist on Expedition 349. Jocelyn McPhie (University of Tasmania) has unfortunately had to withdraw from the Izu-Bonin-Mariana rear arc Expedition 350, but we are putting forward a paleomagnetist for a priority position on the expedition. As reported in the last bulletin we have petrologists on the arc origins Expedition 351 and the forearc Expedition 352. Richard Arculus (ANU) is Co-Chief Scientist on Expedition 351.

Stephen Gallagher (Melbourne University) has sailed as a foraminiferal specialist on the Asian Monsoon (Japan Sea) Expedition 346, and disembarks in Pusan in Korea on September 28.

We expect to know the result of our bid for five years of ARC/LIEF funding in November, but are working on the assumption that we will be funded into the future. High on the agenda on the ANZIC Governing Council meeting, to be hosted by Chris Fergusson at the University of Wollongong on 3 October, are our plans for that next phase of IODP.

We also recommend members read the excellent article in *Physics Today* discussing the history of the Mohole Project and its future potential with the help of Chikyu's remarkable capacity. [http://www.physicstoday.org/resource/1/phtoad/v66/i8/p36\\_s1](http://www.physicstoday.org/resource/1/phtoad/v66/i8/p36_s1)

# AT SEA

## EXPEDITION 347 BALTIC SEA PALEOENVIRONMENT



On September 7th the European Consortium for Ocean Research Drilling (ECORD) will start a challenging two-month expedition to the Baltic Sea. On-board the drilling vessel Greatship Manisha will be a team of international scientists whose aim is to core sediments from beneath the seafloor at seven different locations – from the Kattegat to the area of Härnösand/Sweden. The cores, from water depths up to 450 metres, will provide detailed information on environmental changes in the Baltic Sea region during the past 140,000 years. During the first days of September the 94-metre long Greatship Manisha berthed in Falmouth on the southern coast of England. Laboratory containers were loaded, provisions were taken



Photo by: syvakairaus.wordpress.com

on-board, and a drilling rig was installed. The vessel is now on her way to the first coring location in the southern Little Belt, the westernmost part of the Baltic Sea. During the next two months the team of scientists and technicians plan to drill at seven locations in the Baltic Sea to retrieve several thousand metres of sediment cores. This is the first time that scientific drilling beneath the sea floor will take place in this region.

## Expedition 346, Asian Monsoon.

Many thanks to scientists and support staff involved in delivering a skyped tour of the JOIDES Resolution from the Japan Sea to the University of New England's intensive sedimentology course. Lecturer, Alan Baxter reported that *'the students really enjoyed it and loved seeing how the theory they were learning in the lab was used in real world research. We had lots of comments and questions throughout the rest of the intensive school about the expedition and IODP'*.



Please contact the ANZIC office, [iodp.administrator@anu.edu.au](mailto:iodp.administrator@anu.edu.au) if you would like to arrange a similar opportunity for your students, colleagues or interest group.



**The first circular for  
SCAR 2014 XXXIII, SCAR Biennial Meetings,  
and XXVI COMNAP AGM  
has been released and can be viewed at  
[www.scar2014.com](http://www.scar2014.com)**

**THE FOLLOWING DEADLINES HAVE BEEN ANNOUNCED:**



**1 October 2013 Abstract submission opens for  
SCAR Open Science Conference**

**2 December 2013 Registration opens**

**14 February 2013 Abstract submission closes**

## **CALL FOR SCIENTIFIC OCEAN DRILLING PROPOSALS**



The International Ocean Discovery Program starts October 2013. Drilling proposals for this new program are now being solicited by the current IODP (Integrated Ocean Drilling Program). The use of three types of drilling platforms is planned for the new IODP: (a) The riserless D/V *JOIDES Resolution*; (b) the riser (with riserless option) D/V *Chikyu*; and (c) Mission Specific Platforms (MSP) which provide a wide range of technologies for drilling and coring in various types of environments not accessible to *JOIDES Resolution* and *Chikyu*.

*JOIDES Resolution* is planned to operate for 8 months or more per year, depending on available levels of support, under a long-term, global circumnavigation plan based on proposal pressure. MSP expeditions are planned to operate once per year on average. Operations of *Chikyu* will be more project-based.

*JOIDES Resolution* is expected to operate in the eastern Indian and western and south western Pacific oceans through 2016 and 2017, followed by a track across the southern Pacific Ocean, with an opportunity for drilling in the southern and Atlantic Ocean in 2018 and 2019. Although proponents are strongly encouraged to submit drilling proposals for any region, proposals for the southern ocean, and the south and central Atlantic in particular are encouraged at this time. *Chikyu* drilling proposals concerning any ocean are welcomed. MSP proposals concerning any ocean are also welcomed, but proposals for the Arctic are particularly encouraged at this time.

The science plan for the new IODP defines the themes of highest programmatic priority and can be found at <http://www.iodp.org/Science-Plan-for-2013-2023>. Information on already planned drilling activities, proposal guidance at [www.iodp.org](http://www.iodp.org). Questions: [science@iodp.org](mailto:science@iodp.org)



Australia's new Marine National Facility research vessel *Investigator* is having new sampling equipment and devices purpose-built.

Onboard there'll be a range of scientific instruments to take seafloor samples, and there will be a device that will take core samples of the seafloor, as far down as 7 kilometres.

Dr Lindsay Pender was recently in Coffs Harbour for the factory acceptance test for this equipment.

The corer weighs up to 3.5 tonne and is designed to free fall and plunge into the seafloor when triggered.

On board a barge, we captured the testing of the equipment's ability to be triggered, and this has been included in the August 2013 CSIROnow video, along with the other cool things CSIRO is currently doing!

<http://csirofrvblog.com/2013/09/11/digging-deep-with-rv-investigators-coring-system/>

The College of Earth, Ocean, and Atmospheric Sciences (CEOAS) at Oregon State University invites applications for a tenure-track Assistant Professor position in Earth Systems History. The appointee has the option of a part-time (0.75 FTE) 12-month appointment, or a full-time (1.0 FTE) 9-month appointment.

This faculty member conducts research and teaches in the area of sedimentary geology, focusing on using pre-Quaternary sedimentary records as a basis for investigation of solid earth, oceanic, atmospheric, and surficial processes and interactions. CEOAS seeks an individual that expands and complements one or more the areas of research strengths in the College (<http://ceoas.oregonstate.edu/research/>).

Potential areas of expertise include (but are not limited to): paleoclimatology, past ocean and atmospheric chemistry and circulation, and tectonic and/or geodynamic influences on earth surface processes. This individual employs a range of approaches towards quantitative reconstructions of solid earth, earth surface, atmospheric, and/or ocean history and evolution. Research should include a substantial field component.

Full details of the position are available at [https://jobs.oregonstate.edu/applicants/jsp/shared/position/JobDetails\\_css.jsp](https://jobs.oregonstate.edu/applicants/jsp/shared/position/JobDetails_css.jsp).

