



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
Website: drill.gns.cri.nz

News from the ANZIC Office

Plans for the Australasian IODP Planning Workshop to be held at Sydney University (June 13-16) are almost final, with attendance applications having closed, and interest high. About 100 scientists will attend, half from overseas. This will be a major regional workshop (SW Pacific, Southern Ocean and Eastern Indian Ocean plus adjacent Antarctic margin) like the earlier, highly successful, Indian Ocean and Southwest Pacific Ocean workshops.

The ANZIC Program Scientist position has been advertised and applications have closed. A short-list of applicants will be interviewed in late June, with the aim of a start as an ANU appointee at the end of August. It is a position of great responsibility and with a great deal of freedom of action, requiring considerable initiative, and interpersonal skills.

A dozen ANZIC applications for shipboard positions on Expedition 376 (Brothers Arc Flux, north of New Zealand) have just been ranked by the Science Committee. Our rankings will be forwarded to the expedition leadership in the next week or two.

We have just replaced an Australian scientist who withdrew from Expedition 69: Alessandro Maritati a doctoral student from the University of Tasmania will now be sailing as a sedimentologist. We have selected an Education Officer on *JOIDES Resolution* Expedition 371 (Tasman Frontier Subduction, Lord Howe Rise) later this year: Debra Beamish, a teacher from Brisbane. We have also selected an educator (Suzy Urbaniak) and an early career scientist (Matthew Campbell) to sail on *JOIDES Resolution* for a School of Rock which will be held on the preceding transit from the Philippines

The *JOIDES Resolution* South China Sea Expeditions 367 and 368 are addressing the mechanisms of lithosphere extension during continental breakup. Isabel Sauermilch (University of Tasmania) came off Expedition 367 as a physical properties specialist, and Kelsie Dadd (Sydney University) is aboard until June 9th as a sedimentologist.

Emanuelle Frery (CSIRO sedimentologist) was aboard the *JOIDES Resolution* Mariana Convergent Margin Expedition 366 (December 8 to February 7) which investigated the geochemistry, tectonics and biology in an active subduction zone by coring the summits and flanks of serpentinite mud volcanoes on the forearc of the Mariana system, a non-accretionary convergent plate margin. She has just been granted funding for post-cruise analytical work by a subcommittee of the ANZIC Science Committee.

Text editor Michelle Burgess completed her final edit of the ANZIC legacy book for ANU Press a couple of weeks ago. The book is entitled *Exploring the Earth under the Sea*, and is subtitled *Australian and New Zealand achievements in the first phase of IODP Scientific Ocean Drilling, 2008-2013*. Neville Exon has made final corrections to the text, and has started setting up the files for the figures selected, with some high-resolution versions needing to be accessed. The book should go to ANU Press this month, and will be produced in electronic and paper versions.

Jonathan Aitchison (University of Queensland) and David Heslop (ANU) represented ANZIC at *Science meets Parliament* in Canberra on 21st and 22nd March, and their report is below. SmP is a major event at which scientists from across the country have a chance to influence parliamentarians, and they are always well received.

Forthcoming IODP expeditions in our region from mid-2017

- Expedition 371 (Tasman Frontier Subduction, Lord Howe Rise, Co-chief Rupert Sutherland, (VUW): July 27 to September 26, 2017. Wanda Stratford (GNS) was appointed as a physical property specialist; Kristina Pascher (GNS) and Gayane Asatryan (Queensland) as radiolarian specialists; and Hugh Morgans (GNS) as a foram specialist. Queensland teacher, Debra Beamish, will sail as an educator.
- Expedition 369 (Australia Cretaceous Climate and Tectonics, Naturaliste Plateau): September 26 to November 26, 2017. Lloyd White (Wollongong) was appointed as a sedimentologist, Carmine Wainman (Adelaide) as petrophysicist, and Alessandro Maritati (Tasmania) as a sedimentologist
- Expedition 372 (Creeping Gas Hydrate Slides & Hikurangi margin LWD, Co-chiefs Ingo Pecher, Auckland) and Phil Barnes, NIWA): November 26, 2017 to January 4, 2018. Ben Clennell (CSIRO) was appointed as a petrophysicist and Joshu Mountjoy (NIWA) as a sedimentologist.
- Expedition 373 (Alternative platform Antarctic Cenozoic Paleoclimate, George V Land and Adélie Land shelf sediments) has been deferred until 2019-20.
- Expedition 374 (West Antarctic Ice Sheet Climate, Ross Sea, Co-chief Rob McKay, VUW): January 4 to March 8, 2018. Giuseppe Cortese (GNS) has been appointed as a radiolarian specialist.
- Expedition 375 (Hikurangi subduction margin, Co-chief Laura Wallace, GNS): March 8 to May 5, 2018. Other appointments are Martin Crundwell (GNS), foram specialist; Annika Greve (Victoria University Wellington), paleomagnetism; and Claire Shepherd (GNS), nannofossils.
- Expedition 376 (Brothers Arc Flux, north of New Zealand, May 5 to July 5, 2018). Cornel de Ronde (GNS) has just been appointed co-chief scientist. ANZIC applications were called for on 18 January and have just closed. A dozen applications will be vetted by the Science Committee in the next few weeks, and a ranked list of suitable applicants will be forwarded to the expedition leadership by the end of the month.
- Expedition 378 (South Pacific Paleogene): October 14 to December 14, 2018
- Expedition 379 (Amundsen Sea Ice Sheet History) January 18 to March 20, 2019

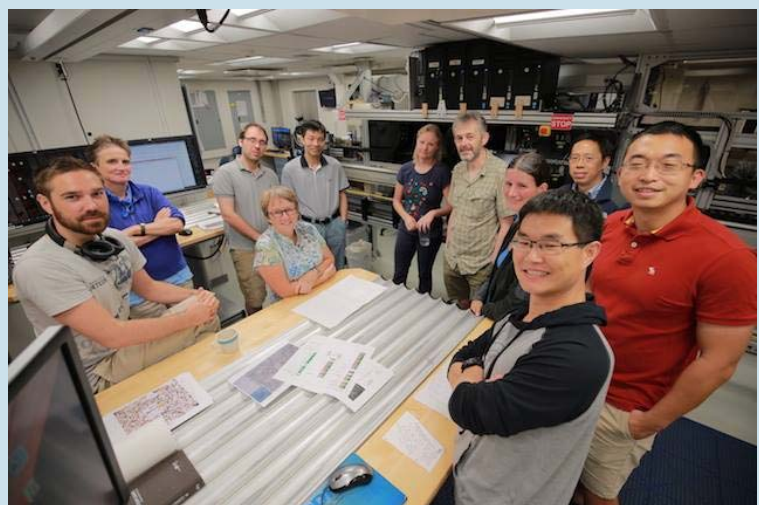
AT SEA

IODP Expeditions 367 & 368

South China Sea Rifted Margin

With just under two weeks to go the team are sampling their last site, U1505. After a few technical issues they are now getting excellent recovery and nannofossil rich ooze and fascinating ash layers.

Shipboard reports can be read on the IODP website, linked below.



Kelsie Dadd (centre, at the table) with the core description team aboard Exp 368, South China Sea Rifted Margin

Follow the *JOIDES Resolution* on [Facebook](#) or <https://www.youtube.com/user/theJOIDESResolution> and read daily or weekly reports at: <http://iodp.tamu.edu/scienceops/sitesumm.html>

ANZIC Scientists at *Science meets Parliament* in Canberra in March 2017



Prof. Jonathan Aitchison of UQ, and Dr David Heslop of ANU at Smp17

Science meets Parliament 2017 (Smp17) was the 18th annual meeting of scientists and Federal parliamentarians. Facilitated by Science & Technology Australia, 200 scientists attended two days of events to learn about the importance of science to Parliament and public policy. This culminated with Smp17 delegates holding meetings with Members of Parliament and Senators to discuss Australian and international science. ANZIC was represented by Dr David Heslop from ANU and Professor Jonathan Aitchison from the University of Queensland, and this is their report.

Smp17 was opened at Old Parliament House by Australia's Chief Scientist, Dr Alan Finkel, who discussed the values that scientists and politicians share and how important it is to understand this link when communicating scientific outcomes to parliamentarians. Dr Finkel advised delegates to consider the power of the four A's; Attitude, Ambassadors, Access and Ammunition in making their science have an impact on public policy. Panel discussions then provided delegates with expert insights into science reporting in the media, how to turn research into news and how science can inform and shape policy. The final discussion of the day focused on ways to engage effectively with politicians. This included interactive exercises to help delegates in developing a strategy to pitch their research and explain complex ideas in an accessible way. Day one was closed with a gala dinner at Parliament House attended by Members of Parliament and Senators.

Australian of the Year, Professor Emeritus Alan Mackay-Sim, opened day two of Smp17. He spoke about the underlying curiosity that motivates scientists and the increasing importance of public-private partnerships. Prof. Alan Duffy then interviewed Senator Kim Carr (Shadow Minister for Innovation, Industry, Science and Research) who encouraged scientists to think how they could help politicians and the importance of politicizing their work in the context of a changing cultural landscape. Senator Arthur Sinodinos, Minister for Industry, Innovation and Science, announced the Australian National Science Statement 2017 at a National Press Club lunch. He presented his vision for Australian Science with a strong emphasis on the importance of women in STEM research. Delegates then returned to Parliament House to sit in on Question Time.

The highlight of day two was group meetings with parliamentarians, which provided us with the opportunity to discuss and celebrate the achievements of the IODP and ANZIC. Jonathan Aitchison, who thought Smp was a great experience, had a fruitful meeting with Liberal Party MP, Craig Kelly, and discussed with him the India-Asia collision and associated earthquakes, including the related IODP Expedition 362, researching the Sumatra Seismogenic Zone. Dave Heslop spoke about ANZIC's work in palaeoclimate reconstruction with Pauline Hanson's One Nation Party staffers working with Senator Brian Burston. Smp17 closed with drinks shared with the Parliamentary Friends of Science, providing a further opportunity to discuss the IODP and ANZIC with Members of Parliament.



Jonathan Aitchison with Craig Kelly, MP.

PhD opportunity with the Research group Marine Palynology and Paleooceanography of Utrecht University



We are very happy to announce that there is a fully funded PhD position available at the Research group Marine Palynology and Paleooceanography of Utrecht University. The research project aims to reconstruct the ocean structure and paleoenvironments of the Oligocene and Miocene Southern Ocean. The candidate will generate multiple organic-walled dinoflagellate cyst and marine organic geochemical biomarker records from existing and to-be-drilled sediment cores in the Southern Ocean.

We seek an enthusiastic, communicative candidate with relevant background in biostratigraphy/paleoceanography/paleontology. Background on dinocyst taxonomy/stratigraphy is not required. The project involves intense collaboration with a parallel PhD project at the Institute of Marine and Atmospheric Research Utrecht (IMAU), where numerical modelling simulations will be performed.

For more information and how to apply, please find the link below. **Deadline to apply is June 30th 2017**

It would be appreciated if you could forward this email to anyone who might be interested.

GeoBremen²⁰₁₇

CALL FOR ABSTRACTS NOW OPEN

Submission deadline **15 June 2017**

Geo-Bremen 2017, organized by the Deutsche Mineralogische Gesellschaft (DMG) and the Deutsche Geologische Gesellschaft – Geologische Vereinigung (DGGV), will provide a multidisciplinary stage with a focus on the exciting themes and topics of the Earth and Material Sciences of the 21st century.

From sea-floor to summit, from the Harz Mountains to the Himalayan, from geology to oceanography, from petrology to mineralogy, from inorganic geochemistry to geobiology, from low to high temperatures and pressures, from the crust to the core, from the field to the lab, and from the Earth to the stars, we expect exciting scientific contributions, hot discussions, and new ideas.

We welcome you to participate and are looking forward meeting you in Bremen in September 2017!

<https://www.marum.de/en/Research/GeoBremen-2017.html>
<https://www.marum.de/Binaries/Binary2274/Second-Circular.pdf>