



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

ANZIC applications for the hugely exciting Expedition 377 (Arctic Ocean Paleoceanography) have been extended until Monday 3rd July, as the initial response was disappointing. This expedition will drill Cenozoic sequences in the ocean that record spectacular changes in climate and marine-non marine state, which were partly demonstrated by IODP Expedition 302, drilled in 2004 when sea ice cover was far greater. This is the chance of a lifetime to join a great expedition, and one would expect our Antarctic community would be very excited by it. The drilling will be in mid-2018 with limited positions available, and the larger description and sampling party in early 2019 in Bremen. Details are below.

A hugely successful Australasian IODP Planning Workshop was held at Sydney University (June 13-16) with about 100 scientists attending, half from overseas. This major regional workshop (SW Pacific, Southern Ocean and Eastern Indian Ocean plus adjacent Antarctic margin) led to a great deal of discussion and planning, and we are promised 14 pre-proposals to IODP by the April deadline next year, a remarkable response. Previous experience suggests that a number of these will turn into successful full proposals for *JOIDES Resolution* expeditions to be drilled in our region from late 2022. An early report by Catherine is below. A full report is being worked on by Rob McKay and others, and may be up on web sites by mid August.

A workshop consensus statement emphasizes that blue water research vessels with the necessary seismic reflection systems should continue to be available to researchers in all IODP member countries on reasonable fiscal conditions, and with suitable advance (national and international) planning mechanisms (<http://iodp.org.au/event/australasian-iodp-workshop-consensus-statement>). This is response to a concern that some such vessels may be withdrawn from service in the next few years thus hindering all marine geoscience and especially, in this case, IODP site surveys. This has been widely circulated to key members of the IODP community and should be up on other IODP web sites soon.

Four applicants were interviewed for the ANZIC Program Scientist position on Monday 19 June. It is a position of great responsibility and with a great deal of freedom of action, requiring considerable initiative, and interpersonal skills. An offer will be made soon, and it is hoped that the successful applicant will be in place in early September or not much later.

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 were forwarded to the expedition leadership on June 1. Nearly all were of high quality.

An educator (Suzy Urbaniak from Brisbane) and an early career scientist (Mathew Campbell) will soon sail on *JOIDES Resolution* for a ten-day School of Rock on its transit from the Philippines to Townsville, arriving there on 27 July.

The *JOIDES Resolution* South China Sea Expeditions 367 and 368 are completed, with Kelsie Dadd leaving Expedition 368 in Shanghai on 6 June.

Neville Exon and Catherine Beasley

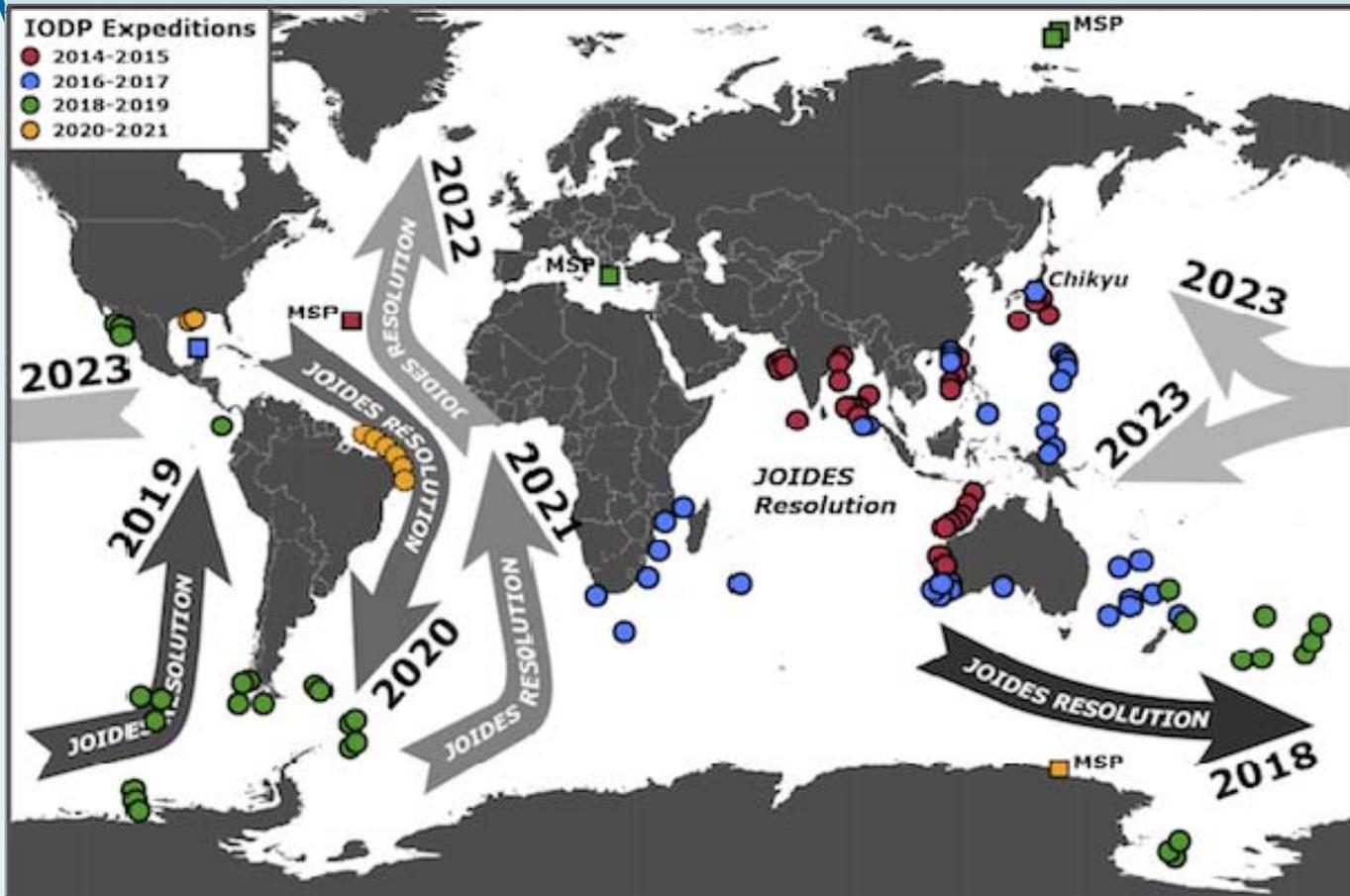
New Expedition Schedule

Following the completion of the three Facility Board meetings, in March and May, several new expeditions have been scheduled for 2019-20. They are:

Iceberg Alley Paleocceanography & South Falk-land Slope Drift	<u>382</u>	March 20 - May, 2019	TBD	JRSO
Dynamics of Pacific Antarctic Circumpolar Current	<u>383</u>	May - July 2019	TBD	JRSO
Panama Basin Crustal Architecture (504B) and Engineering Testing	<u>384</u>	July - September 2019	TBD	JRSO
Guaymas Basin Tectonics and Biosphere	<u>385</u>	September - November 2019	TBD	JRSO
Antarctic Cenozoic Paleoclimate	<u>373</u>	TBD in 2019-2020	Hobart (provisional)	ESO
Gulf of Mexico Methane Hydrate	<u>386</u>	January - March 2020	TBD	JRSO
South Atlantic Expedition TBD	387	March - May 2020	TBD	JRSO

A full list of Expeditions to mid-2020 is available on <https://www.iodp.org/expeditions/expeditions-schedule>.

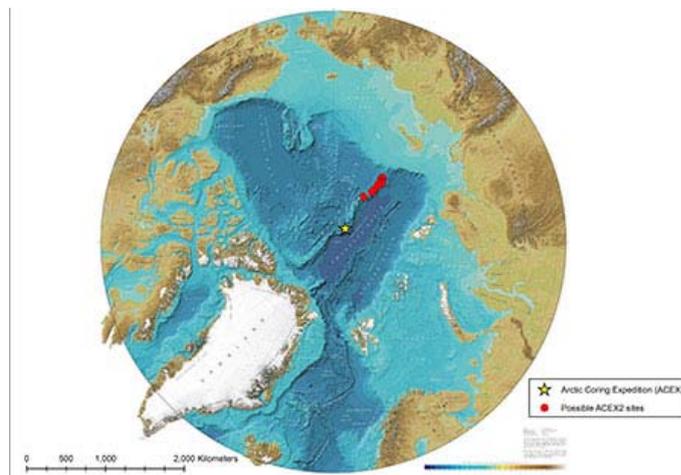
Intended Ship Track for *JOIDES Resolution* 2018-2023



Last call for applicants to sail

IODP Expedition 377: Arctic Ocean Paleoceanography (ArcOP)

We have extended the deadline for ANZIC applications from scientists in our member institutions for scientific participation in an extremely exciting and innovative *ECORD* expedition in the Arctic Ocean with the offshore phase in the latter half of 2018. Opportunities exist for researchers (including graduate students) in all ocean drilling specialties. While other expertise may be considered, specialists in the following fields are required: sedimentology, paleontology, palynology, organic geochemistry, inorganic geochemistry, structural geology, paleomagnetism, microbiology, physical properties, geophysics, stratigraphic correlation and downhole logging. For the offshore phase of the expedition, we are particularly looking for the following fields: sedimentology, paleontology, organic geochemistry, inorganic geochemistry, microbiology, physical properties, and petrophysics/downhole logging.



The applicants will either be part of 1) the limited offshore party (European autumn 2018) and the onshore sampling party in Bremen in early 2019 or 2) the larger onshore sampling party. Please specify whether you are interested in the offshore-onshore or onshore-only aspects of the Expedition. Please note that there is no option to participate offshore-only. For the offshore phase of the expedition, they are particularly looking for the following fields: paleontology, sedimentology, organic geochemistry, inorganic geochemistry, physical properties, and petrophysics/downhole logging. Complete information on the expedition and ANZIC requirements are included in the email from Neville Exon of May 3rd. To update your contact on the mailing list please contact iodp.administrator@anu.edu.au.

The proposal upon which this expedition is based was submitted as IODP Proposal #708 Arctic Ocean Paleoceanography. The full proposal describing the primary drill sites, as well as up-to-date expedition information, can be found on the Expedition 377 webpage

<http://www.ecord.org/expedition377/>.

ANZIC Applicants can find application information on our website at:
<http://iodp.org.au/expeditions/current-expeditions/>

Application deadline: The deadline for scientists to submit applications to ANZIC is **MONDAY 3rd JULY 2017**. Candidates shortlisted by us will be considered by ESO in European Summer/Fall 2017.

This is an excellent opportunity for scientists, doctoral students or post docs to collaborate with an international team of scientists. Neville Exon and Rob McKay will be happy to provide advice for the applications, and help where possible with timing problems for non-tenured scientists or post-graduate students.

AT SEA

Expedition 368: South China Sea Rifted Margin

We set sail from Hong Kong on the morning of April 14 for the South China Sea after a five day port call. This port call was a little busier than some as it included a science cross-over meeting. Expeditions 367 and 368 are being run as a single science program and each lab group had a briefing on the major science outcomes of EXP367. By 8.30 am the next we had arrived at our first site and starting coring!

The aim of EXP 367 and 368 is to address the mechanisms of lithosphere extension during continental breakup by drilling holes along a transect at the northern margin of the South China Sea. We are investigating the continent-ocean transition (COT) and drilling to discover the nature of basement. A large seismic database suggests that the SCS margin shares crustal and tectonic features with the hyperextended Iberia-Newfoundland margins. These could include exhumed and serpentinized mantle, but other models suggest the presence of regular igneous oceanic crust at the seaward end of the COT. The two expeditions are targeting three basement ridges and we will be able to combine the data from these sites with drilling at ODP Site 1148 and IODP Site U1435 to gain a picture of the COT in the South China Sea. EXP367 completed drilling to basement at two sites and we (EXP368) are now at our second site and slightly ahead of schedule.



Kelsie Dadd discussing the relationship of the lithostratigraphic units and seismic section with co-chiefs Zhimin Jian and Hans-Christian Larsen. Credit: Tim Fulton, IODP/TAMU



Enjoying a BBQ lunch with co-workers – David Peate, Sara Satolli, Geoffroy Mohn. Credit: Guangfa Zhong, Tongji University

I'm in the core description team and working the noon to midnight shift. The room is full of excitement as we have recovered altered basalt and are deciding on samples. Better get back to work!

Kelsie Dadd

Expedition 368 has now concluded successfully and the JOIDES Resolution is tied up in Subic Bay, Philippines for scheduled maintenance. The next adventure commences July 9th, 2017 when the School of Rock team set sail for Townsville!

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>

Australasian Regional IODP Planning Workshop

The ANZIC Office would like to offer a huge thanks to all who contributed to the Australasian Regional IODP Workshop, from the initial planning group, to theme chairs, keynote speakers and participants. We look forward to great results in terms of future drilling in the region.

We had:

- 4 Honours/Pre-PhD students,
- 6 PhD candidates,
- 16 Postdocs
- 11 Associate Professors ,
- 13 Professors
- 29 Professional research scientists in a variety of roles
- 10 Researchers/Science Managers with Government Institutions
a number of IODP, ECORD and ANZIC scientists in Program management roles
(and our youngest attendee was 3 months old!)

- ANZIC was represented by scientists from 17 organisations across Australia and New Zealand and the Office of the Chief Scientist of Australia.
- Participants work in 12 different countries, Including Australia, New Zealand, New Caledonia, Japan, India, Germany, Great Britain, France, Denmark, Sweden, The USA and Canada.
- As a result there are 14 proposal teams working on specific targets with the intention of submitting pre-proposals by April 2018.
- There are a further 10 teams working on ideas in a more formative stage.



Australasian Regional IODP Planning Workshop

There is always a risk planning an event like this, so far from many participants, so we were deeply grateful to have such a diverse and enthusiastic group travel to join us. Once again, IODP has demonstrated the truly international collegiality and co-operation that makes it a powerhouse of geoscience.

Sincere thanks,
Neville Exon and Catherine Beasley

Institutions represented:

AIST, Japan
Alfred Wegener Institute, Germany
Australian National University
Caltech
Colorado School of Mines
CSIRO
The Geological Survey of Denmark
The Geological Survey of New Caledonia,
Geoscience Australia
GNS, New Zealand
Imperial College, London
JAMSTEC
Kochi University
Lamont-Doherty Earth Observatory
Latrobe University
Macquarie University
Monash University
National Institute of Oceanography, India
Office of the Chief Scientist, Australia
Rice University
Rutgers University
SUNY Binghamton
Texas A&M University
University of Auckland

University of Bremen
University of Gothenburg
University of Leicester
University of Manchester
University of Melbourne
University of Montpellier
University of New South Wales
University of Otago
University of Queensland
University of South Carolina
University of Southern California
University of South Florida
University of Southampton
University of Sydney
University of Tasmania
University of Texas
University of Tokyo
University of Toronto
University of Vienna
University of Western Australia
University of Wollongong
Victoria University Wellington
Woods Hole Oceanographic Institute
Yale University

