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Subject: ANZIC Bulletin
Date: January 4, 2018 at 4:51 PM
To: Virginia.Toy@otago.ac.nz

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Australian and New Zealand IODP Consortium

Happy New Year and welcome to another exciting journey of discovery in 2018.

The ANZIC Office has re-opened for 2018 in our new location at RSES, Jaeger 4, Room L5. Participants and supporters are invited to stop by and catch up on ANZIC's plans for 2018 and beyond. We have also adopted a updated bulletin format and would welcome feedback on the performance of this new platform.

Updated contact details for the office are provided below.



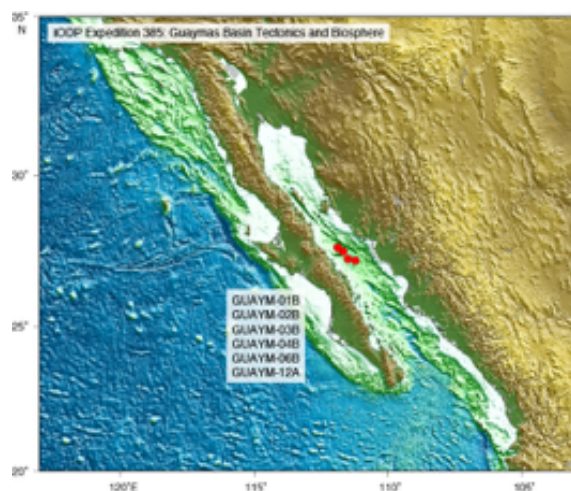
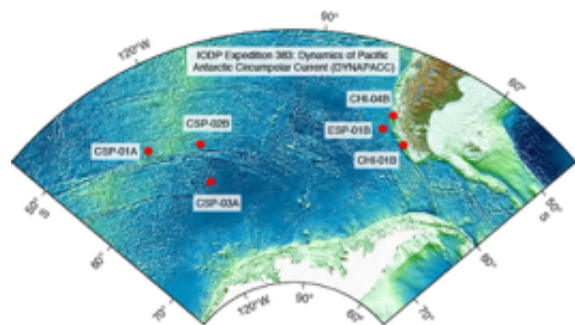
IN ISSUE 1, 2018:

- Apply to Sail
- Governance roles
- Science meets Parliament
- Meet Leanne Armand
- AGCC 2018
- New ANZIC Office
- New publications
- 2017 ANZIC Overview

APPLY TO SAIL EXPEDITION 383

Apply to sail in 2019 aboard **Expedition 383: Dynamics of the Pacific Antarctic Circumpolar Current**, now open for applications. Expedition 383 [proposal](#), [summary](#) and [scientific objectives](#).

ANZIC [applications](#)



EARLY CALL EXPEDITION 385

Apply to sail in 2019 aboard **Expedition 385: Guaymas Basin Tectonics and Biosphere**, open for applications on January 15th 2018. Expedition 385 [proposal](#), [summary](#) and [scientific objectives](#).

ANZIC [applications](#)

ANZIC and IODP Governance Roles

ANZIC rotates the roles of committee members and representatives on IODP panels (generally for 3 year periods). A number of rotations concluded in 2017 and therefore we seek new representatives in 2018. These roles are varied in their time commitment and reporting responsibilities to the ANZIC Program scientist, IODP committees, the ANZIC Governing Council and Science Committee. I encourage applicants at appropriate career stages to consider stepping up to the roles on offer. Members of these groups are directly involved in the science and practicalities of the IODP program and are expected to represent ANZIC in a general sense and ocean drilling in the broad sense. Most decisions are made by consensus. It is an honour, and a great learning and networking experience to be on the committees/boards. Travel costs are covered by the ANZIC office, including economy class air tickets.

ROLES AVAILABLE

ANZIC Science Committee Members, three positions.
ECORD Facilities Board, alternate ANZIC Representative.
EPSP, ANZIC Representative and alternate Representative.
SEP, ANZIC Science Panel Representative and alternate Representative.
ANZIC Science Committee Vice Chair (from current Science Committee members).

EXPRESSIONS OF INTEREST close the 15th February, 2018.

Details on the [current openings are listed on our website](#) including the application process specific to that opening.

STA's Science meets Parliament, 2018.

ANZIC invites expressions of interest from researchers who would like to attend Science Meets Parliament as an ANZIC representative. The event agenda is available [via STA](#).



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An expression of interest should include a short biography of recent activity, noting recent IODP engagement.

This invitation is open to researchers at all career stages but could be of particular interest to Early Career Researchers as the event includes some guidance on communication of science to government, from professional science communicators.



Meet Leanne Armand, ANZIC Program Scientist

Assoc. Prof. Leanne Armand is the new ANZIC (Australian and New Zealand International Ocean Discovery Program Consortium) Program Scientist and an ANU RSES researcher. She is currently a council member of the International Society of Diatom Research and the representative for ANZIC on the National Marine Science Committee. Prior to her current appointment, Assoc. Prof. Armand was a member of the Dept of Biological Sciences at Macquarie University (2009-2017).

During her time at Macquarie University Prof. Armand was the instigator of the national Collaborative Australian Postgraduate Sea Training Alliance Network (CAPSTAN) designing a Master-level training at sea program with the Marine National Facility on the RV *Investigator*, and was a Deputy Director of the MQ Marine Research Centre. Her previous scientific roles have been at the

marine research centre. Her previous scientific roles have been at the Antarctic Climate and Ecosystem CRC in Hobart, Tasmania, where she was the first Australian awarded an European Union Incoming Marie Curie Fellowship, which she undertook at the University of Marseille, France, in collaboration with Prof. Bernard Quéguiner. A/Prof. Armand completed her PhD in 1998 at the Australian National University under the guidance of Prof. Patrick DeDeckker and the late Dr Jean-Jacques Pichon (Univ. Bordeaux I, France) and completed her undergraduate degrees with a focus on vertebrate palaeontology at Flinders University, South Australia (BSc) and ANU (BSC-Hons.).

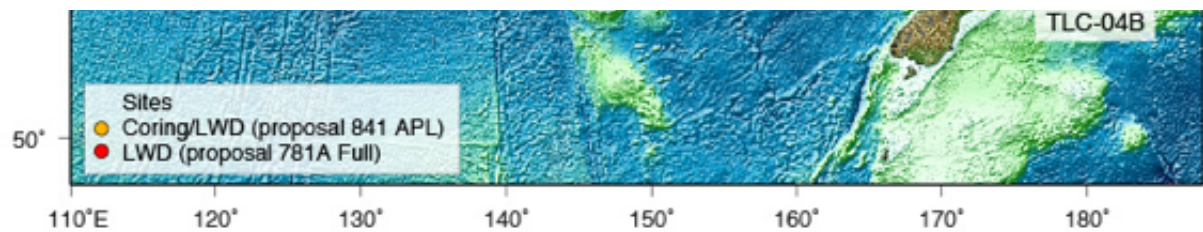
In 2007 A/Prof. Armand was awarded the Australian Academy of Science's Dorothy Hill award for her excellence in palaeoceanographic research and also the Bigelow Laboratory's Rose-Provasoli award. In 2014, she received an U.S. Antarctic Service Medal for service on the U.S-led Sabrina Coast Mission on the RVIB *N.B. Palmer*.

As the new ANZIC Program Scientist, Assoc. Prof. Armand is focused on the continued successful representation of the ANZIC consortium and the renewal of the program post-2020. Her current aims are to continue with the follow up on the 2013 Allen Consulting Report recommendations; to build up Biosphere Frontiers representation and participation in ANZIC; improve our post-cruise science and legacy grant submissions, reporting and transparency; and, most importantly establish new partnerships for the future bid inclusive of providing IODP with ANZIC representations for the post-2023 science strategic plan.

Leanne welcomes feedback from the community as she takes ANZIC in to the future and its continued successful contribution to the IODP program.

CURRENT EXPEDITIONS





Expedition 372

Concluding in Lyttleton, NZ, on Thursday 4 January 2018, this *JR* expedition offshore New Zealand has explored the relationship between gas hydrate deposits and submarine landslides, a significant geohazard, by collecting logging-while-drilling (LWD) data and core samples. Additionally, Expedition 372 has done advance work for an upcoming expedition to the Hikurangi subduction zone on New Zealand's eastern boundary by collecting LWD data in advance of coring and downhole measurements. [Reports](#)

Philip Barnes (NIWA) Co-Chief

Ingo Pecher (University of Auckland) Co-Chief

Michael Clennell (CSIRO-Energy)

Joshu Mountjoy (NIWA)

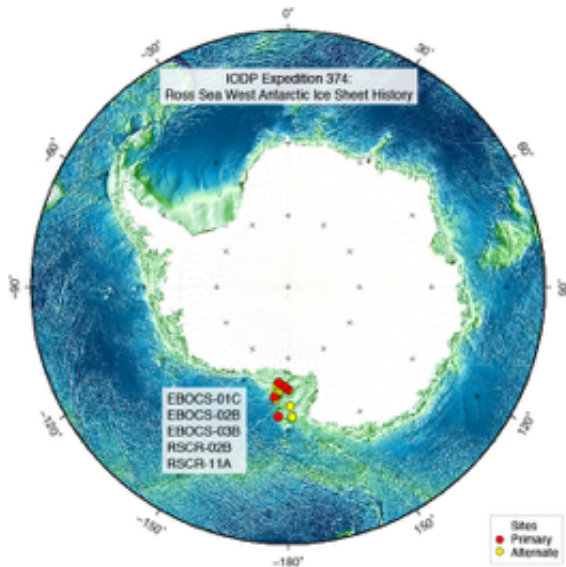
Erin Todd (Education Officer).

Expedition 381 Corinth Active Rift Development

This expedition will recover sedimentary sequences at three sites in the Gulf of Corinth using the mission-specific platform *Fugro Synergy* to understand how continental rifting leads to the formation of ocean basins. These sediments will also provide details about the fault system associated with the active rift, its history, and current geohazard potential. [press release](#) * [blog](#) * [reports](#)



Jack Gillespie (University of
Adelaide) Structure
Geologist/Seimentologist



374 Ross Sea West Antarctic Ice Sheet History

The Ross Sea West Antarctic Ice Sheet (WAIS) History Expedition will investigate the relationship between climatic/oceanic change and WAIS evolution through the Neogene and Quaternary. Launching from Lyttleton NZ, on January 5th 2018, Expedition 374 will be led by Laura DeSantis of OGS and our own Science Committee Chair, Rob McKay of VUW.

Giuseppe Cortese (GNS) is also sailing as a Radiolarian paleontologist.



AGCC Australian Geoscience
Council **Convention**

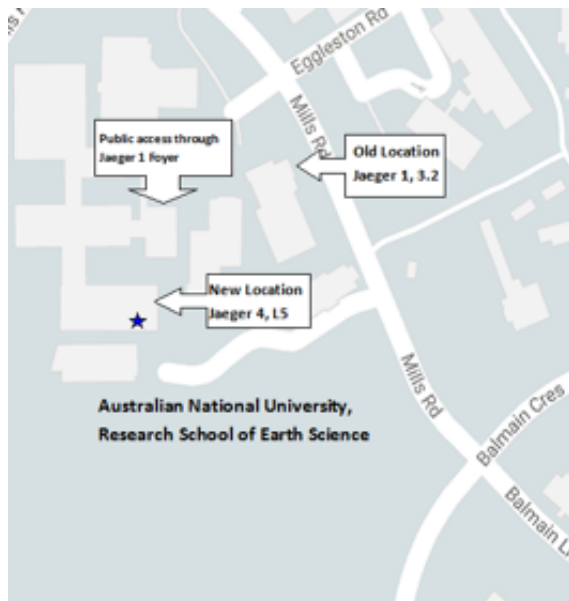
BIG ISSUES AND IDEAS IN GEOSCIENCE

14-18 OCTOBER 2018 | Earth Science Week

Adelaide Convention Centre

ANZIC will be attending AGCC 2018 in Adelaide, with an IODP linked theme and a informational booth in the exhibition hall.

AGCC [Registrations are now open](#) and researchers working on ANZIC funded projects are strongly encouraged to consider presenting.



Come and say Hello!

The ANZIC Office is now located in Jaeger 4, L5. Our new area includes desk space for students and guest researchers, and a meeting room.

Should you need a temporary work-space in Canberra, please contact the office and we will do our best to accommodate you.

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ph: (+61 2) 6125 6713

ANZIC Administrator: Catherine Beasley

e: iodp.administrator@anu.edu.au

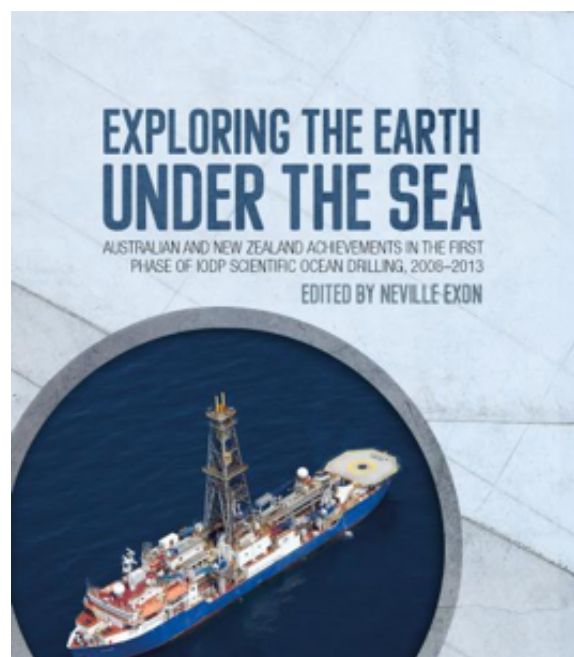
ph: (+61 2) 61253420

Exploring the Earth

Under the Sea

A highlight of our year was the December launch, at the National Library of Australia, of the ANZIC legacy book, edited by Neville Exon, celebrating the achievements of the Australian and New Zealand participants in the Integrated Ocean Drilling Program (2008-2013).

The book can be purchased in



The book can be purchased in
hardcopy or downloaded from [ANU
Press](#)



2017 ANZIC Overview

The Australian and New Zealand International Ocean Discovery Program Consortium (ANZIC) office had a substantially active and productive 2017. ANZIC scientists participated on seven expeditions around the world's oceans, but notably three expeditions occurred in the Australian and New Zealand region (Exp. 371 – Tasman Frontier Subduction Initiation and Paleogene Climate; Exp. 369 – Australian Cretaceous Climate and Tectonics and Exp. 372 Creeping Gas Hydrate Slides and Hikurangi logging while drilling). ANZIC were able to sail a total of 16 scientists, inclusive of three Co-Chiefs, and an additional two Education and Outreach Officers across the seven expeditions; a tremendous outcome for ANZIC. The three regional voyages also enabled the ANZIC Office to showcase the RV *JOIDES Resolution* to politicians, scientists, students, science educators and industry personnel whilst in Australian ports (Townsville, Hobart and Fremantle). On average 100-150 visitors were guided through the general and scientific laboratories of the ship. Media agencies covered each port visit.

The Australasian IODP regional planning workshop was organised and successfully run by the ANZIC Office at the University of Sydney in June this year. There were 100 participants from around the world who discussed and put to paper pre-proposals that were encapsulated into a Final report, whilst a summary report on the workshop and its outcomes will soon appear in the IODP journal *Scientific Drilling*.

ANZIC members represented ANZIC interests, provided advice and participated in IODP reporting and assessment activities across the three IODP platforms (US, Japanese and European consortia) in 2017. ANZIC was represented at the JOIDES Resolution Facility Board (JRFB) meetings by Prof. Mike Coffin (UTas), the Japanese Chikyu Facility Board (CIB) meetings by Dr Andrew Heap (Geoscience Australia) and the ECORD Facility Board by A. Prof. Leanne Armand (ANU). Prof. Stephen Gallagher (UMelb) also attended the ECORD Facility Board meetings as the Asian-Oceanian representative on the ECORD facility board. David Cammin (UQld) was ANZIC's representative on

... the Environmental Protection & Safety Panel (EPSP), whilst Prof. Tim Naish and Dr Rob McKay (both UVictoria, N.Z.) were on the Science Evaluation Panel (SEP).

2017 saw a changing of the guard in the ANZIC Office with Prof. Neville Exon retiring from the Program Scientist's role after nine years in the role (under ARC funding). His beyond-the-call-of-duty stewardship of the ANZIC Office over this time has seen it grow into a mature and highly acclaimed research entity in the Australasian geoscience community. Associate Prof. Leanne Armand was recruited from Macquarie University to ANU to take up the role of Program Scientist from Neville in September this year. Dr Ian Poiner, is another new presence in ANZIC's line up in 2017; as the new Chair of the ANZIC Governing Council. He replaced the out-going Chair, Dr. Geoff Garrett AO at the end of 2016.

ANZIC supported participants on Expeditions in 2017.

366: Mariana Convergent Margin

December 8, 2016 – February 7, 2017.

Emanuelle Frery (CSIRO), sedimentologist.

367: South China Sea Rifted Margin A

February 7 – April 9, 2017

Isabel Sauermilch (UTasmania), physical properties.

368: South China Sea Rifted Margin B

April 9 – June 9, 2017

Kelsie Dadd (MQ/SydneyU), sedimentologist.

371: Tasman Frontier Subduction and Climate (Lord Howe Rise) (838)

July 27 – September 26, 2017

Co-Chief Scientist Rupert Sutherland, (Victoria University of Wellington, NZ).

Wanda Stratford (GNS, NZ) physical properties.

Kristina Pascher (GNS, NZ), radiolarians.

Hugh Morgans (GNS, NZ) foraminifera.

Gayane Asatryan (UQ), radiolarians (observer).

Debra Beamish (Corinda State High School, Brisbane) Education and Outreach Officer.

369: Australian Cretaceous Climate and Tectonics (Naturaliste) (760)

September 26 –November 26, 2017.

Lloyd White (UWollongong) petrophysics (downhole measurements & physical properties).

Alessandro Maritati (UTasmania) sedimentologist.

Carmine Wainman (UAdelaide), sedimentologist (observer).

372: Gas Hydrates & Hikurangi Subduction Margin LWD (781B & 841)

November 26, 2017 – January 4, 2018.

Co-Chief Scientist Ingo Pecher (UAuckland, NZ) gas hydrates.

Co-Chief Scientist Phil Barnes (NIWA, NZ) regional geology.

Ben Clennell (CSIRO), petrophysics.

Joshu Mountjoy (NIWA, NZ), sedimentologist (observer).

Erin Todd (UOtago, NZ) Education officer.

381 Corinth Active Rift Development

22 October-mid December 2017 (offshore party).

Jack Gillespie (UAdelaide) sedimentologist.



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You have received this email because you are on the ANZIC Mailing list and have been receiving ANZIC Bulletins. In 2018 we are adopting a new mailing list manager to circulate our bulletins and

announcements.

announcements.

Our mailing address is:

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