

From: ANZIC Office iodp.administrator@anu.edu.au
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To: Virginia.Toy@otago.ac.nz



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Australian and New Zealand IODP Consortium

ANZIC Bulletin

March, 2019



ANZIC OCEAN PLANET

- **REGISTRATION CLOSING 25 MARCH**
- **WHITE PAPER SUBMISSIONS CLOSING 8 APRIL**

OCEAN PLANET: Developing the new IODP Strategic Plan 20124-2034 - Join us in Canberra 14-16 April, 2019

The Ocean Planet workshop over three days will be dedicated to:

- Day 1: Early-Mid Career Researcher Day
- Day 2: Whole community discussion via breakouts into sessions covering themes/challenges, platform capabilities and legacy reuse.
- Day 3: Theme and Science Challenge discussion.

An **ICE BREAKER** event will be held at the Australian National Museum on Sunday evening, 14 April.

[Register your interest for OCEAN PLANET here.](#) Please note registration closes 25 March. ANZIC will be providing some travel support for interstate travellers.

If you are unable to attend you can still submit a **White Paper**. White Paper submissions will close on the 8 April. Please submit to iodp.administration@anu.edu.au

ANZIC ROADSHOW



Australian
National
University

ANU 20 March

ANZIC ROADSHOW CONTINUES

ANZIC Program Scientist - Assoc. Prof. Leanne Armand has been on the road presenting to our member institutions an overview of ANZIC, IODP and information on ANZIC's upcoming OCEAN PLANET WORKSHOP.

This is a unique opportunity to become aware of ANZIC, IODP



UNIVERSITY
OF WOLLONGONG
AUSTRALIA

UoW 28 March

This is a unique opportunity to become aware of ANZIC, IODP, and the current and future opportunities available to the Biogeo and Microbial communities.

Leanne will be hosting a session at the **ANU** Wednesday **20 March 1:00-2:00 pm** at the Finkel Lecture Theatre, John Curtin Medical School.

Tuesday **28 March 1:00-2:00 pm** she will be presenting at the **University of Wollongong**. For location and further details please contact Helen McGregor helen.mcgregor@uow.edu.au



EXP 389 UPDATE

Expedition #389 'Hawaiian Drowned Reefs' is postponed!

Based on the **2019-2023 MSP operational plan** that has been approved by the ECORD Council at its last two meetings (see www.ecord.org), the ECORD Science Operator (ESO) has continued to plan the Expedition #389 'Hawaiian Drowned Reefs' (X389), including the issuing of the drilling contract notice, evaluation of bids and holding contractual discussions with the preferred bidder.

In December, the preferred bidder pulled out of negotiations citing business reasons. An alternative, not wholly compliant bidder was immediately engaged. Discussions with the alternative bidder led to the conclusion that, at this time, X389 would carry significant technical risk.

The ECORD Council has decided to postpone X389.

The EFB will discuss the rescheduling of X389 at its upcoming meeting that will be held in Bremen, Germany on 21-22 March, 2019.



WORKSHOP REPORT

New Caledonia Peridotite Amphibious Drilling Workshop (NCDP) Report

Vasileios Chatzaras, Lecturer in Geology

The University of Sydney, School of Geosciences, NSW, Australia

This report provides an outline of the activities and outcomes of the IODP/ICDP New Caledonian Peridotite Amphibious Drilling Workshop, held in Montpellier, France, between 22nd and 24th of January 2019. [Read report here](#)



SCIENCE
MEETS

Save the Date: Science meets Parliament 2019, 13-14 August 2019

[Science meets Parliament](#) is designed to bring together decision makers and Australia's leading STEM professionals, to promote the role of science, technology, engineering and mathematics - and the valuable part these sectors can play in politics.

Each year more than 200 scientists, technologists and STEM professionals take part in this unique event over two very full

PARLIAMENT

13 - 14 August 2019

professionals take part in this unique event over two very full days.

ANZIC has two seats at this event - our Program Scientist will be attending and we will be looking to make a position available to a mid-career researcher to attend. More details to follow.



NCRIS SURVEY

NCRIS User Satisfaction Survey

As part of the Budget process, the Department of Education and Training needs to report on user satisfaction of all NCRIS projects, including AuScope.

This is an opportunity for you to provide feedback on the value of AuScope to our community as well as help secure ongoing funding for AuScope and the NCRIS program:

[Take the NCRIS User Satisfaction Survey](#)

Please note that this survey closes at C.O.B on 20 March 2019.



JOIDES Resolution Science Operator

IODP-JSRO SEEKING MARINE TECHNICIANS

Seeking temporary Marine Technicians to sail on JR

Positions at Texas A&M University, College Station, TX

International Ocean Discovery Program – *JOIDES Resolution* Science Operator (IODP-JRSO) at Texas A&M University (TAMU) is planning to hire several temporary Marine Technicians (TAMU title: Program Aide). IODP Marine Technicians are required to sail on the Research Vessel *JOIDES Resolution*, which operates worldwide on two-month long scientific drilling expeditions.

The positions require at least a Bachelor's degree with two years of relevant experience or a Master's degree. These temporary positions have proven to be a great stepping stone to the full-time Marine Technician positions.

[Apply here](#) for the Program Aide Position



MARCH NEWSLETTER

Sexual harassment a significant issue for STEM sector and funding announced for cardiovascular research.

Read March issue Science & Technology Australia Newsletter [here](#)

Sedimentation at its extreme: how powerful are submarine caldera-forming eruptions (Kermadec arc)?

Martin Jutzeler (CODES, U.Tasmania) and co-PIs have secured a 29-day voyage on the RV *Investigator* in October 2020 to study three submarine silicic calderas in the Kermadec arc (Havre, Macauley and Healy). This voyage includes acquisition of seismic

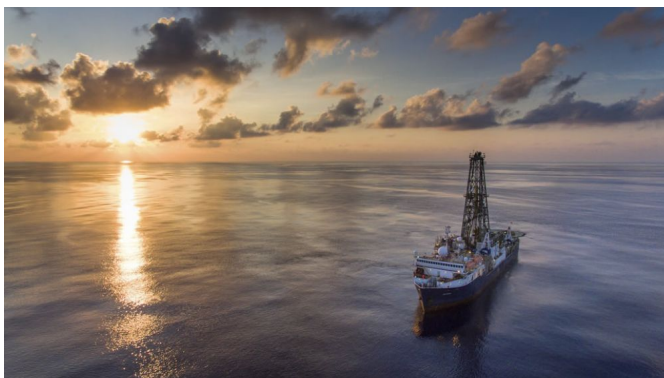
transects for the preparation of an IODP proposal based on these submarine volcanoes. The aim of this voyage is to link the behaviour of deep submarine eruptions with the morphology of their deposits. Seismic surveys and shallow coring will provide critical data to assess the sub-seafloor structure of submarine caldera volcanoes and their sediment sheets, to characterise the intensity of underwater eruptions involving 10s km³ of magma, and how water depth influences their tsunamigenic potential. Modelling calculations of sediment mass fluxes will permit the first-ever hazard mapping scheme for submarine volcanoes globally (tsunami and sediment flows), and provide new ore vectoring strategies for onland exploration. Co-PIs are Rebecca Carey and Jo Whittaker (U. Tasmania), Geoffroy Lamarche and Richard Wysoczanski (NIWA), Adam Soule (WHOI), Michael Manga (UC Berkeley) and Steffen Kutterolf (GEOMAR).

Martin Jutzeler is currently leading the preparation of an IODP pre-proposal to be submitted in October this year. This pre-proposal embraces the architecture, petrogenesis and magma evolution of submarine silicic caldera arc volcanoes, the role of arc calderas in the formation of continental crust; the eruption and sedimentation record from submarine silicic volcanism; magmatic and hydrothermal fluid pathway; and the tsunamigenic potential from shallow to deep-marine volcanism. Researchers interested to participate to this IODP pre-proposal are encouraged to contact Martin (martin.jutzeler@utas.edu.au).

ABOUT ANZIC

The International Ocean Discovery Program is an international marine research collaboration that explores Earth's history and dynamics using ocean-going research platforms to recover data recorded in seafloor sediments and rocks and to monitor subseafloor environments.

Australia and New Zealand have been associate members of IODP for over a decade with 21 financially contributing members forming the Australian and New Zealand IODP Consortium (ANZIC). ANZIC provides operational and administrative support, and grants and legacy funding to its members.



UPCOMING EVENTS

20 March, 2019

[ANZIC](#)
[ROADSHOW](#)

Finkel Lecture
Theatre
ANU, Canberra

28 March, 2019

[ANZIC](#)
[ROADSHOW](#)

University of
Wollongong

14-16 April, 2019

[OCEAN PLANET](#)
[WORKSHOP](#)

ANU, Canberra

2-6 Sept , 2019

[ICP13](#)
Sydney

CALL TO SAIL

Expedition 388: [Equatorial Atlantic Gateway](#)

- JR Science Operator
- Expedition dates: 26 June - 26 August, 2020
- [Apply](#) by 1 April, 2019



Our mailing address is:

T: +61 2 6125 7999 E: iodp.administrator@anu.edu.au W: iodp.org.au
Jaeger 4 Building, Australian National University, 142 Mills Rd, Acton ACT 2601, AUSTRALIA

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