



SPECIAL CALL FOR APPLICATIONS

for scientists based in ECORD Member Countries and experience in
PALEOMAGNETISM & BIOSTRATIGRAPHY (Foraminifera, Nannofossils, and Radiolarians)
to participate in

IODP EXPEDITION 375: Hikurangi Subduction Margin

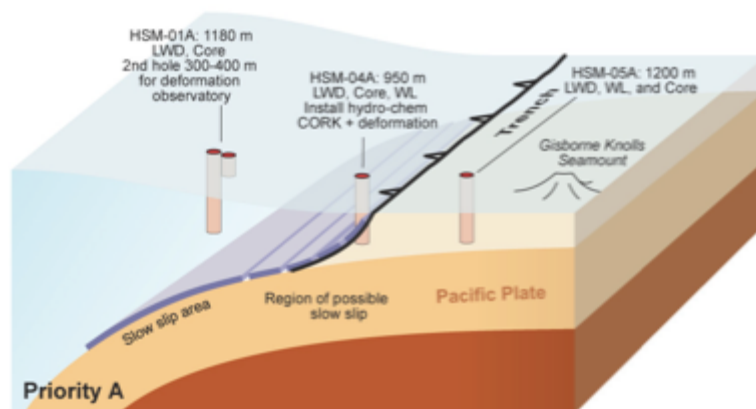
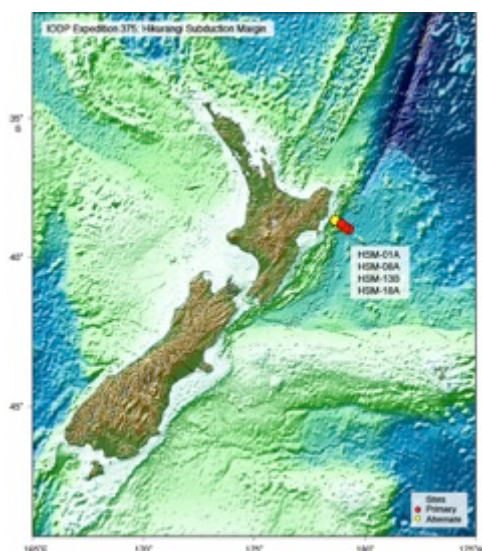
8 March – 5 May 2018

on board the *JOIDES Resolution*

DEADLINE to apply for: 2 February 2017

The European Consortium for Ocean Research Drilling (ECORD) offers you the unique opportunity to sail on Expedition 374 onboard the *JOIDES Resolution* in the framework of the International Ocean Discovery Program (IODP), an international research program for drilling at sea

IODP Expedition 375: Hikurangi Subduction Margin



Expedition 375 will investigate slow slip events (SSE) along the northern Hikurangi subduction margin (IODP proposals 781A-Full and 781A-Add). Hikurangi SSE recur every ~ 2 years so we can monitor changes in deformation rate and associated chemical and physical properties surrounding the SSE source area throughout an entire slow slip cycle. Sampling material from the sedimentary section and oceanic basement of the subducting plate and from primary active thrusts in the outer accretionary wedge, in combination with LWD data, will reveal the rock properties, composition, and lithological and structural character of the active faults involved in the SSE, as well as material that is transported downdip to the SSE source region. Coring and downhole measurements from four sites will be integrated with the LWD data collected during Expedition 372 (see above). In addition, borehole observatories will be installed at the thrust fault site and a site in the upper plate to monitor hydrologic, chemical, and physical processes during the SSE cycle.

http://iodp.tamu.edu/scienceops/expeditions/hikurangi_subduction_margin.html



For more information about the **JOIDES RESOLUTION Expedition Schedule and the expedition science objectives** see <http://iodp.tamu.edu/scienceops/> - this includes links to the individual expedition web pages that provide the original IODP proposal and expedition planning information.

Who should apply: The special call is for paleomagnetists and biostratigraphers (foraminifera, nannofossils, and radiolarian) only !

The Application Process is open to scientists in all ECORD member countries. Please download the *Apply to Sail* general application forms from the ESSAC webpage:

- Form Expedition 375: <http://www.ecord.org/expeditions/apply-to-sail/>

Please, fill out all applicable fields and send it to the ESSAC office by email (essac@geomar.de) with the following additional documents until **2 February 2017**:

1. **A letter of interest** outlining your specific expertise, previous involvement in DSDP/ ODP/ IODP expeditions, research interests, primary research goals of your proposed participation.
2. **CV and publication list.**
3. **Young researchers** must additionally provide a **letter of support** from their host institution, including information on post-cruise science support.

All applications should state how you intend to achieve the proposed scientific objectives, with information on the funding scheme and support from your institution or national funding agencies. More information can be found under: <http://www.ecord.org/expeditions/apply-to-sail/>

In addition to the ESSAC application, all applicants must inform their national office or national delegate and send a copy of the application documents. The national offices or national delegates can also provide information regarding travel support, post-cruise funding opportunities, etc.

See <http://www.ecord.org/about-ecord/about-us/> and <http://www.ecord.org/about-ecord/management-structure/essac/> for a list of the national contact persons.

For further information or questions, please contact the ESSAC Office:

ECORD Science Support & Advisory Committee
Jan Behrmann (ESSAC Chair)
Hanno Kinkel (ESSAC Science Coordinator)
GEOMAR Helmholtz Centre for Ocean Research Kiel
Email: essac@geomar.de <http://www.ecord.org/>
Wischhofstr. 1-3
D-24148 Kiel, Germany
Tel: +49 431 600 2418
Fax: +49 431 600 2922
<http://www.essac.ecord.org>

