



CALL

for scientists based in Europe and Canada

Nankai Trough Seismogenic Zone Experiment - NanTroSEIZE Stage 2
IODP Expedition 332 – Riserless Observatory -2

with the Chikyu drilling vessel

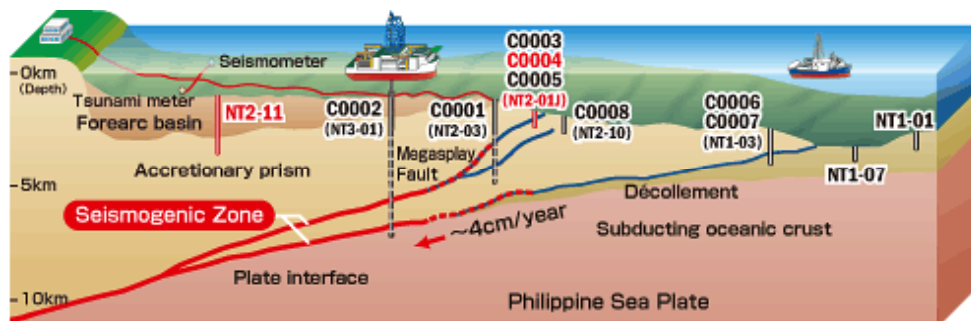
(October 25 – December 12, 2010)

DEADLINE
July 1, 2010



The European Consortium for Ocean Research Drilling (ECORD) offers you the unique possibility to sail in the framework of the Integrated Ocean Drilling Program (IODP), an international research program for drilling at sea.

Scientific Aims CDEX currently plans to implement three Nankai Trough Seismogenic Zone Experiment (NanTroSEIZE) expeditions from mid 2010 to early 2011: IODP Expedition 326 (NanTroSEIZE Stage 3: Deep Riser Hole – Top Hole operation), IODP Expedition 332 NanTroSEIZE Stage 2: Riserless Observatory-2, and IODP Expedition 333 – NanTroSEIZE Stage 2: Inputs Coring & Heat flow. In this Expedition, the current plan comprises replacing the SmartPlug at Site C0010 with an upgraded version (GENIUSPlug), and drilling, casing and installing a long term observatory (CORK) at Site C0002 in a 1000 mbsf riserless hole.



Technical Objectives *Riserless hole at Site C0002* The goal of NanTroSEIZE Exp 332 is to install a riserless wellhead and set 9-5/8" casing to approximately 1000 mbsf. Following casing and cementing, a CORK-type observatory will be installed at this site.

Science Objectives *Main Expedition Plan* These plans include: installing a permanent riserless CORK observatory at Site C0002 (1000 mbsf with 9-5/8" casing), and recovering the currently deployed SmartPlug (temporary observatory) and replacing it with a newly designed sensor at Site C0010.

Science Party and required expertise Only a group of dedicated observatory specialists (approximately 10 people, comprising EPM and PIs) will be needed for the entire Expedition and for the preparation and installation of the CORK at Site C0002 and replacing temporary observatory at Site C0010, the Science Parties will embark at the port of Shingu and disembark via helicopter (BOSIET-HUET certification required).

Scientific Background Previous NanTroSEIZE expedition reports are available at <http://www.iodp.org/scientific-publications/>. Also a summary of the scientific objectives and operations for the overall NanTroSEIZE drilling is available at <http://www.jamstec.go.jp/chikyu/eng/Expedition/NantroSEIZE/index.html>.

Timing The expedition schedule, including expedition operation details, are liable to change at short notice, a situation which we are sure complicates your own scheduling arrangements, and raises a lot of questions on your part. We will update you regularly on the progress and status of expedition planning and in the meantime please do not hesitate to contact us with any questions you may have.

Application Process Scientists interested in participating, please consult the ESSAC webpage <http://www.essac.ecord.org/index.php?mod=user>.

Required documents (PDF only) are: **1**) a CV **2**) a letter of interest including your specific expertise, previous involvement in DSDP/ ODP/ IODP expeditions, research interest **3**) a publication list.

Young researchers must additionally provide a letter of support from their host institution including information on the post-cruise science support: How to achieve the proposed scientific objectives in the future (funding scheme and support from host institution).

Please send a copy of your application documents to your national office/delegate in order they can help to support your application, see <http://www.essac.ecord.org/index.php?mod=about&page=ESSAC>.



For further information or questions please contact:

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