



CALL

For scientists based in Europe and Canada

BENGAL FAN 354 IODP EXPEDITION

(29 Jan-31 March 2015)

DEADLINE to apply: 15 JANUARY, 2014

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.

The Bengal Fan Expedition is based on IODP Proposal 552-Full3 and will drill a transect of sites across the middle Bengal Fan to obtain a Neogene and late Paleogene record of Himalayan orogeny and climate. The objectives are to investigate interactions among the growth of the Himalaya and Tibet, the development of the Asian monsoon, and processes affecting the carbon cycle and global climate.

Goals: One deep penetration site aims to document the early stages of Himalayan erosion, the India-Eurasia collision, and the development of the Himalaya and Tibet. The transect will constrain the Neogene development of the Asian monsoon, its impact on sediment supply and flux, and allow quantitative studies of the interrelations of climate change and sediment accumulation. Sediments obtained will document (1) uplift history through erosional flux and deposition patterns and detailed geochronology of minerals, (2) Himalayan evolution from isotopic tracing of particle origin and age, and (3) environmental and climate conditions through sediment granulometry, mineralogy and geochemistry, organic matter composition and oxygen isotopes of microfossils.

More information: The expedition schedule is available at <http://iodp.tamu.edu/scienceops/>. The expedition web page at http://iodp.tamu.edu/scienceops/expeditions/bengal_fan.html provides the original IODP proposals and expedition planning information.

Note: This expedition is contingent upon approval for operations of the JOIDES Resolution beyond September 30, 2014 and authorization of funds for these operations by the National Science Board in November 2013.

Application Process Scientists interested in participating, please register in 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; and **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). In addition to the ESSAC application, 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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