



C A L L

For scientists based in Europe and Canada

INDIAN MONSOON RAINFALL EXPEDITION 353 IODP EXPEDITION (29 NOV 2014 – 29 JAN 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.

Based on IODP Proposal 795-Full2, the goal of this expedition is to obtain sediment sections from within the core region of Indian monsoon precipitation. Four sites in the Bay of Bengal and Andaman Sea will target Late Cretaceous-Holocene sediments to better understand the physical and climatological mechanisms underlying changes in monsoonal precipitation, erosion, and run-off across multiple time scales.

Goals: The scientific objectives are to (1) establish the sensitivity and timing of changes in monsoon circulation relative to external insolation forcing and internal boundary conditions including the export of latent heat from the southern hemisphere, the extent of global ice volume, and greenhouse gas concentrations; (2) understand the timing and conditions under which monsoonal circulation initiated and evolved; (3) determine the extent to which Indian and East Asian monsoon winds and precipitation are coupled and at what temporal and geographic scales; and (4) better deconvolve the effects of tectonics and climate change on erosion and run-off.

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

Note: These expeditions are 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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