



## For scientists based in Europe and Canada **IODP Expedition 346 Asian Monsoon** (20 August – 28 September 2013) **DEADLINE 1 August, 2012**

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 goal of this expedition (based on IODP Proposals 605-Full2, 605-Add, 605-Add2, and 605-Add3) is to core and log sites on a latitudinal transect in the Japan Sea, and one site in the northern East China Sea, to test the hypothesis that Pliocene-Pleistocene uplift of the Himalayan and Tibetan Plateau and the consequent emergence of the two discrete modes of westerly jet circulation caused the amplification of millennial scale variability of the Asian monsoon and tele-connection mechanism with Dansgaard-Oeschger Cycles.

**Scientific objectives:** (1) address the timing of the onset of orbital and millennial scale variability of the East Asian Monsoon, (2) reconstruct orbital and millennial-scale

paleoceanographic changes in the Japan Sea during at least the last 5 m.y., (3) reconstruct the ventilation history of the Japan Sea, and its relation with the nature of the influx through the Tsushima Strait and/or the intensity of winter cooling; and (4) monitor the history of the Yangtze River discharge in the northern end of the East China Sea as it reflects variation and evolution in East Asian summer monsoon.

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

**Application Process** Scientists interested in participating, please consult the ESSAC webpage (link below). 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:



ESSAC Office ECORD Science Support & Advisory Committee

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