



National Centre for Antarctic & Ocean Research

(Ministry of Earth Sciences, Govt. of India)

Headland Sada, Vasco-da-Gama, Goa - 403 804.



Invites Nominations from Scientists/Researchers for forthcoming IODP expeditions

The Director, National Centre for Antarctic & Ocean Research (NCAOR), on behalf of IODP- India invites nominations in a prescribed format along with detailed bio-data and research/professional experience, from geoscientists/researchers working in established national institutions/organizations and universities, to participate in the forthcoming Integrated Ocean Discovery Program (IODP) expedition 367 (SOUTH CHINA SEA RIFTED MARGIN A EXPEDITION) and expedition 368 (SOUTH CHINA SEA RIFTED MARGIN B EXPEDITION). NCAOR will provide the requisite financial support to the selected candidates towards their participation in the said expedition. However, it will be the responsibility of the candidates to obtain the necessary Visas / permissions from the countries of embarkation and disembarkation on their own. A scientific plan is mandatory for a successful nomination. Once nominated, candidates will have to submit a detailed science plan along with sample data request which may also form a basis for collaborative research programs between their host organization and NCAOR.

Further details including last date of nominations and format can be obtained at www.ncaor.gov.in or by email to iodp.india@ncaor.gov.in

For and on behalf of NCAOR
Program Officer (IODP-India)

Complete nominations may kindly be emailed to iodp.india@ncaor.gov.in

Information on forthcoming IODP Expeditions:

SOUTH CHINA SEA RIFTED MARGIN A & B EXPEDITIONS (367 and 368)

Expedition 367 (SOUTH CHINA SEA RIFTED MARGIN A EXPEDITION) – 7 February – 9 April 2017

Expedition 368 (SOUTH CHINA SEA RIFTED MARGIN B EXPEDITION)- 9 April – 9 June 2017

The two South China Sea (SCS) Rifted Margin Expeditions (based on IODP Proposals 878-CPP and 878-Add) aim to understand the mechanisms of lithosphere extension during continental breakup at a non-volcanic rifted margin.

The SCS margin shows similarities to the hyper-extended Iberia-Newfoundland margins, possibly including exhumed and serpentinized mantle within the Continent-Ocean-Transition (COT). However, modeling studies suggest that there can be mechanisms of plate weakening other than serpentinization of sub-continental lithospheric mantle. Two competing models for

plate rupture (in the absence of excessively hot (asthenospheric mantle) have widely different predictions for development of the SCS margin.

To discriminate between these models, a series of deep-penetration sites will be drilled across a 150–200 km wide zone of highly extended seaward-thinning crust with a well-imaged COT zone. Coring and logging deep/basal sediments and the underlying basement is the primary objective.

The proposed drill sites will enable us to determine the nature of crust within the COT and constrain (a) post-breakup crustal subsidence, (b) how soon after breakup igneous crust started to form, (c) timing of rifting, and (d) rate of extension.

Important Notes:

1. For more information on the above expeditions please visit www.iodp.org and use the link iodp.tamu.edu/scienceops/
2. Applications in prescribed format (available on the website www.ncaor.gov.in) shall be considered.
3. Last date by which NCAOR receives nominations **15th February, 2016**.
4. A scientific plan is mandatory for a successful nomination. Once nominated candidates will have to submit a detailed science plan along with sample data request which may also form a basis for collaborative research programs between their host organization and NCAOR.