



National Centre for Polar & 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 expedition

IODP-India invites nominations in a prescribed format along with detailed bio-data and research experience, from geoscientists/researchers working in established national institutions/organizations and universities, to participate in the forthcoming International Ocean Discovery Program (IODP) **Expedition 400: NW Greenland Glaciated Margin**. NCPOR 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.

Further details and format can be obtained at www.ncpor.res.in or by email to iodp.india@ncpor.res.in

Last date by which IODP- India/NCPOR receives nominations for Expedition 400: 1st July 2022

For and on behalf of NCPOR
Group Director (IODP-India)

Complete nominations may kindly be emailed to iodp.india@ncpor.res.in

Information on forthcoming IODP Expedition:

Expedition 400: NW Greenland Glaciated Margin (12 August to 12 October 2023)

IODP Expedition 400 seeks to address current knowledge gaps in the evolution and variability of the northern Greenland Ice Sheet (NGrIS). The key science objectives are:

(1) to determine maximum and minimum NGrIS configurations during the Pleistocene, from shelf edge glaciation to hypothesized complete ice loss, e.g. during super-interglacials; (2) test the glacial response to pCO₂ across the early ice house stage of the middle Cenozoic; (3) unravel NGrIS erosion history and sedimentary response across major transitions, e.g. Mid-Miocene Transition and Mid-Pleistocene Transition; and (4) reconstruct the Pliocene ocean circulation and northward heat advection through Baffin Bay and potential Arctic ocean gateways.

These objectives will be accomplished by transect-drilling at seven sites to depths of 300-1000 m across the northwest Greenland margin into Baffin Bay. The seven sites will provide a composite stratigraphic succession from Oligocene through the Quaternary. The key targets are: (a) a continuous Pleistocene succession representing a deep water channel-drift that forms the distal part of the Melville Bay Trough Mouth Fan; (b) multiple intervals of potential interglacial deposits preserved within intra-shelf depressions; (c) contourite deposits of likely Pliocene age, accessible below a thin glacial cover; and (d) a hemi-pelagic basin succession of likely Miocene age exposed by glacial erosion on the inner shelf. Downhole wireline logging is planned for several sites.

The full proposal and addendum describing the primary drill sites, as well as up-to-date expedition information, can be found on the Expedition 400 webpage

http://iodp.tamu.edu/scienceops/expeditions/nw_greenland_glaciated_margin.html

Important Notes:

1. For more information on IODP Expedition 400 please visit www.iodp.org and use the link iodp.tamu.edu/scienceops/.
2. Applications in prescribed format available on the website www.ncpor.res.in shall be considered.
3. **Last date by which IODP- India/ NCPOR receives nomination for IODP Expedition 400: 1st July 2022**
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 NCPOR.