



## 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 expedition

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 International Ocean Discovery Program (IODP) Expedition **383 (Dynamics of the Pacific Antarctic Circumpolar Current 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](http://www.ncaor.gov.in) or by email to [iodp.india@ncaor.gov.in](mailto:iodp.india@ncaor.gov.in)

Last date by which IODP- India/ NCAOR receives nominations for IODP Expedition 383: **16<sup>th</sup> April, 2018**

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

Complete nominations may kindly be emailed to [iodp.india@ncaor.gov.in](mailto:iodp.india@ncaor.gov.in)

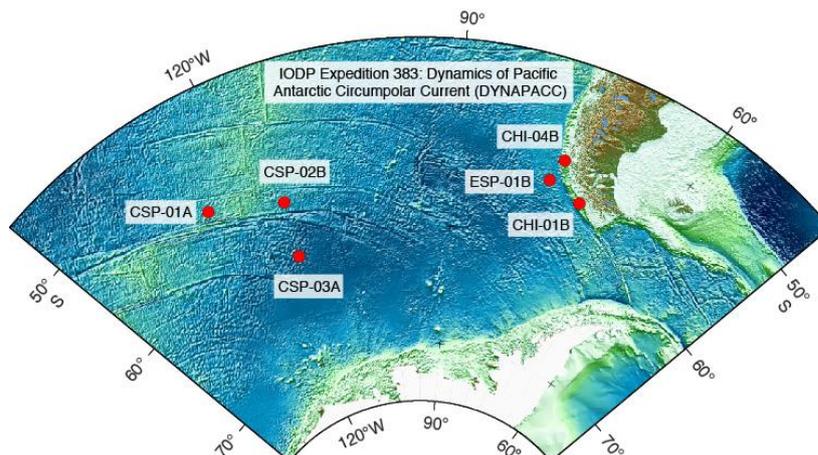
Information on forthcoming IODP Expeditions:

**Exp. 383: Dynamics of the Pacific Antarctic Circumpolar Current Expedition: 20 May- 20 July, 2019**

IODP Expedition 383 aim to investigate the Pliocene-Pleistocene atmosphere-ocean-cryosphere dynamics of the Pacific Antarctic Circumpolar Current (ACC), and their role in regional and global climate and atmospheric CO<sub>2</sub> based on sediment records with the highest possible stratigraphic resolution.

The expedition will test two major scientific hypotheses: (1) ACC dynamics and Drake Passage throughflow conditioned the global Meridional Overturning Circulation and high-low climate linkages on orbital and submillennial time-scales since the Pliocene. (2) Variations in the Pacific ACC determine the physical and biological characteristics of the oceanic carbon pump and atmospheric CO<sub>2</sub>.

IODP Expedition 383 is based on IODP Proposals 912-Full & 912- Add and will target six primary sites on a transect in the central South Pacific between the modern Polar Front and the Subantarctic Zone, and at the Chilean Margin close to the Drake Passage. Central Pacific sites will document the Plio-Quaternary ACC paleoenvironmental history at water depths ranging from 5100 to 3600 m. At the Chilean Margin the sites provide a depth transect (~1000 - 3900 m) across the major Southern Ocean water masses that will document PlioPleistocene changes in the vertical structure of the ACC – a key issue for understanding the role of the Southern Ocean in the global carbon cycle.



Important Notes:

2. For more information on the above expeditions please visit [www.iodp.org](http://www.iodp.org) and use the link [iodp.tamu.edu/scienceops/](http://iodp.tamu.edu/scienceops/)
3. Applications in prescribed format (available on the website [www.ncaor.gov.in](http://www.ncaor.gov.in)) shall be considered.
4. Last date by which IODP- India /NCAOR receives nominations for IODP Expedition 383: **16<sup>th</sup> April, 2018**
5. 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.