



## CALL

### For scientists based in Europe and Canada **Newfoundland Paleogene and Cretaceous Sediment Drifts: Deep-sea circulation in a Greenhouse World**

(June - August, 2012)

**DEADLINE September 15, 2011**

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.

**Scientific Aims** Based on IODP Proposal 661-Full2, this expedition will drill a depth transect into late Cretaceous-Oligocene sediment drifts off the coast of Newfoundland that contain an extensive record of early Late Cretaceous and Paleogene "Extreme Climate" events and the possible onset of Eocene northern hemisphere glaciation.



Scientific objectives include (1) the history of the North Atlantic deep waters during the Paleogene and latest Cretaceous; (2) the history of possible Northern hemisphere glaciation in the Eocene and Oligocene; (3) abyssal chemistry, vertical structure, and flow strength of the Deep Western Boundary Current and outflow from the Arctic and Nordic seas; (4) expanded records of extreme climate events such as the Eocene-Oligocene glacial step (Oi1), the early Paleogene hyperthermals, and the Cretaceous /Paleogene mass extinction; and (5) extension of the astronomical timescale throughout the Cenozoic.

**Scientific Background and Timing** The expedition schedule is available at [iodp.tamu.edu/scienceops](http://iodp.tamu.edu/scienceops) and the expedition web page at [iodp.tamu.edu/scienceops/expeditions/newfoundland\\_sediment\\_drifts.html](http://iodp.tamu.edu/scienceops/expeditions/newfoundland_sediment_drifts.html) provides the original IODP proposal and expedition planning information.

**Application Process** Scientists interested in participating please consult 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 **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 (offices and delegates at ESSAC webpage, under "about ESSAC").

**For further information or questions please contact:**



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