



CALL

For scientists based in Europe and Canada **Alaska Tectonics Climate and Sedimentation Expedition**

(July - September, 2012)

DEADLINE May 1, 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 686-Full, this expedition will examine the ties between tectonically driven orogenic processes, glacial processes, and north Pacific and global climate by obtaining high-resolution late-Cenozoic sedimentary records across the southern Alaska continental margin. The primary objectives are (1) Document the tectonic response of an active orogenic system to Pliocene and Mid-Pleistocene climate change, (2) to establish the timing of Neogene advance and retreat phases of the Southern Alaskan Cordilleran Ice Sheet, (3) to determine the depositional history and glacial record of margin sediments, and (4) to document the behavior of the geomagnetic field at high temporal resolution to assess processes that control secular variation and geomagnetic polarity reversals.



Scientific Background The scientific background of this expedition is available at http://iodp.tamu.edu/scienceops/expeditions/alaska_tectonics_climate.html.

Timing The timing of the expedition may change depending on the scheduling of non-IODP work for the drill ship, *JOIDES Resolution*.

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:



ESSAC Office

ECORD Science Support & Advisory Committee

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Tutorial: <http://www.essac.ecord.org/index.php?mod=user&page=tutorialregister>