



CALL

For engineers, educators, and/or science communicators
based in Europe and Canada

Juan de Fuca Flank hydrogeology II Expedition (July – September 2010) **DEADLINE January 15, 2010**

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.

OUTLINE The Integrated Ocean Drilling Program (IODP) is an international marine research program that explores Earth's history and structure recorded in seafloor sediments and rocks, and monitors subsurface environments. IODP is led by the partnership between The United States of America, Japan, Europe, China, India, Australia, New Zealand and Korea involving over 24 countries that was initiated in 2003. Built on more than 30 years of scientific ocean drilling and related research, the program uses a variety of drill ships to carry out scientific ocean geoscience research. ECORD is the European consortium of 16 countries & Canada. The ECORD Science Support & Advisory Committee (ESSAC) is now offering the unique opportunity for engineers, educators, and/or science communicators of ECORD countries for participation on the Juan de Fuca hydrogeology II Expedition.



SCIENTIFIC BACKGROUND Within a multidisciplinary research program, the Juan de Fuca Flank hydrogeology II Expedition is designed to evaluate the formation-scale hydrogeologic properties within oceanic crust, determine how fluid pathways are distributed within an active hydrothermal system, and elucidate relations between fluid circulation, alteration, microbiology, and seismic properties. The scientific background of this expedition is available at http://iodp.tamu.edu/scienceops/expeditions/juan_de_fuca.html.

APPLICATION PROCESS Engineers, educators, and/or science communicators interested in participating, please consult the ESSAC webpage <http://www.essac.ecord.org/index.php?mod=user>.

1) Create **personal profile** online and 2) apply for Juan de Fuca Hydrogeology Expedition as full participant. Here, focus is laid on "**Reasons for interest**". Required documents (PDF only) for the application process are a **CV**, and a **letter of support** by school principal or appropriate supervisor (template posted at <http://www.essac.ecord.org/index.php?mod=participation&page=applytosail>).

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").

ELIGIBILITY Detailed information about participation requirements on IODP expeditions is given on the ESSAC webpage <http://www.essac.ecord.org/index.php?mod=participation&page=applytosail>.

TIMING Expedition lengths may vary, but two months is a typical duration. Applicants must be available for the entire length of the expedition. The timing of the expedition may change depending on the scheduling of non-IODP work for the drill ship, *JOIDES Resolution*.

For further information or questions please contact:

ESSAC Office

