

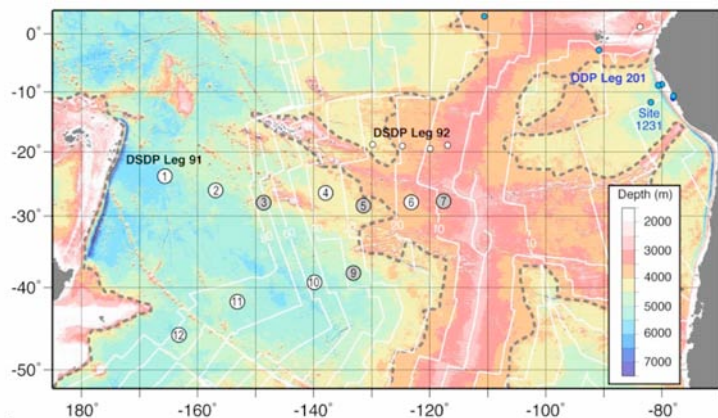


CALL

For scientists based in Europe and Canada **South Pacific Gyre Microbiology Expedition** (October-December 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.

Scientific Aims This expedition is intended to define the physical and chemical limits of subseafloor microbial life in tectonic and oceanographic settings not yet explored. Science objectives include (1) documenting habitats, activities, composition and biomass of microbial communities in subseafloor sediment with very low total activity and very low biomass, (2) determining oceanographic controls on sedimentary habitats, activities and communities from gyre center to margin, (3) constraining the extent that the subseafloor communities are nourished by hydrogen produced in situ by water radiolysis, and (4) determining how basement habitats, potential activities and communities vary with crustal age and hydrologic regime and evolve over 100 m.y. in a region of fast seafloor spreading and very low sedimentation rate. Coring will target sediment and oceanic crust.



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