Rift to Ridge '07: 28th-29th June 2007
National Oceanography Centre, Southampton

A workshop dedicated to North Atlantic rift - drift evolution under the influence of the Iceland Hotspot

Fundamental scientific question to be addressed:

How does a hotspot influence the development of an oceanic basin from rifting through to mid ocean ridge spreading?

Objectives:
- Mantle influence on rifting and break-up geometries
- Understanding mantle circulation and hotspot phenomena
- Consequences for crustal-scale horizontal and vertical tectonics
- Influence on the structure of oceanic crust and the geometry of seafloor spreading
- Determine linkages between basin evolution and oceanographic circulation, and thus to climate change

Outcomes:
- To coordinate proposed and planned IODP efforts aimed at addressing North Atlantic evolution.
- To stimulate new proposals and identify mechanisms to lever funding.
- To address the the hotspot phenomenon and its influence on ocean basin evolution in a 'joined-up' fashion

Key-note speakers:

- Godfrey Fitton, University of Edinburgh
- Erik Lundin, Statoil
- Garrett Ito, University of Hawaii
- John Hopper, Texas A&M University
- Gillian Foulger, University of Durham
- Steve Jones, Trinity College Dublin
- Jim Wright, Rutgers University, New York
- Bryndis Bryndisdottir, University of Iceland

To participate:

Please register at: [http://www.noc.soton.ac.uk/gg/rift_ridge07/](http://www.noc.soton.ac.uk/gg/rift_ridge07/)