



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/