

North Atlantic Igneous Province multi-disciplinary session
Europe Special Symposia of the 33rd International Geological Congress
(IGC).

The IGC will be held in Oslo from 6-14th August 2008. More information on the IGC Scientific program, registration and abstract submission can be reached at www.33icg.org.

Deadline for abstract submission: 1st February 2008.

Session code: EUR-08

The following will be key-note speakers:

Carmen Gaina, Nick Kusznir, Sverre Planke, Henrik Svendsen, Christian Tegner, Valentin Troll

The North Atlantic Igneous Province stripped: Origin, magmatic activity, crustal processes and plate kinematics

Conveners: Morgan Ganerød, Sonia Rouse & Walter Roest

The North Atlantic Igneous Province (NAIP) which includes the UK, Ireland, the Faeroes, Greenland and the West Greenland-Baffin corridor is one of several well-known Large Igneous Provinces (LIP) temporally correlated with continental break up. The NAIP likely owes its origin to the Iceland Plume and broadly corresponds in time to the initiation of seafloor spreading in the NE Atlantic. It is also believed to have triggered global climate changes, with knock-on effects for the biosphere and sedimentary facies. In the last few decades, the Atlantic-Arctic margin has received much attention, partly as a result of hydrocarbon exploration, leading to a rapidly expanding, onshore and offshore geological and geophysical data set. This provides a unique setting to derive new insights into causal links between timing and style of magma emplacement, crustal processes, plume arrival, plate kinematics, uplift, subsidence and the evolution of sedimentary basins. In this session we aim to paint a more comprehensive picture of the NAIP, the complex thermal history of the North Atlantic region and its role in shaping the North Atlantic geology. We welcome contributions from all disciplines that will further and challenge our knowledge of the Mid-Cretaceous to present North Atlantic magmatism, its causes before, during and after continental break-up.

Morgan Ganerød

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