

NAC+ 2016

21st - 23rd March 2016 | Royal College of Surgeons, Edinburgh, UK

The North Atlantic Craton and surrounding belts: a craton-specific approach to exploration targeting

Following on from the successful first North Atlantic Craton meeting in St Andrews in March 2014, the organising committee invites you to attend the second meeting in Edinburgh in 2016. The North Atlantic Craton (NAC) stretches from Canada through Greenland, Scotland and into Norway. This meeting welcomes contributions that develop our understanding of the NAC and its surrounding mobile belts, and their mineral resource potential.

Key dates:

Abstract submission deadline: 15 January 2016

Registration deadline: 15 March 2016

Conference icebreaker: 21 March 2016, evening

Conference: 22–23 March 2016

Science themes:

Formation and cratonisation of the NAC: from micro-continents to craton

Proterozoic orogens: the mobile belts surrounding the NAC

The NAC margin in Canada and its mineralisation

Metallogenesis and links to geodynamic setting

Mineral resources of the NAC and adjacent Palaeoproterozoic mobile belts

Registration fees:

Standard: £245

Member of the Mineralogical Society: £205

Student £60

Registration includes conference icebreaker (21 March), conference dinner (22 March), and lunches on two days of conference.

The **post-conference field trip** will run from **24–28 March 2016** and will visit the **Outer Hebrides**. The focus will be on Archaean gneisses of the NAC, Palaeoproterozoic belts formed at the craton margins, and a range of younger intrusions including the Loch Roag dyke, a mantle and lower crustal xenolith locality. There will also be spectacular coastal scenery and the chance to visit some stunning heritage sites.

Price is to be confirmed, but likely to be approximately **£500 including all travel, hotel accommodation, meals and field guidebook**. **A maximum of 15 places will be available**. Please email NACworkshop@gmail.com to express interest (*before 17th Dec*).

Confirmed keynote speakers:

Prof Nicholas Arndt (University Joseph Fourier, Grenoble)

Sources of metals from the asthenosphere vs. lithospheric mantle, and the formation of continental crust

Dr Alana Hinchey (Newfoundland & Labrador Geological Survey)

Geology of the Makkovik-Ketilidian orogenic belt

Dr Simon Jowitt (Monash University)

Large igneous provinces and the geochronological application of dyke swarm correlation

Prof Raimo Lahtinen (Geological Survey of Finland)

Palaeoproterozoic tectonic evolution and metallogeny of Fennoscandia

Dr Bo Moller-Stensgaard (GEUS)

Archaean-Palaeoproterozoic evolution of the NAC in Greenland



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