

TUESDAY (22nd March):

Theme 1: Formation and cratonisation of the NAC: from micro-continents to craton

Chair: Kathryn Goodenough

08.55	WELCOME
09.00	Discovering the undiscovered: mineral evaluation programs, predictive mineral potential mapping and mineral assessments in the North Atlantic craton, Greenland <u>Moller-Stensgaard, B.</u> <i>KEYNOTE</i>
09.40	Neoproterozoic mineralization in lower crustal rocks of the North Atlantic Craton, Greenland <u>Kolb, J., Dziggel, A., Bagas, L., Fiorentini, M.L., Thébaud, N., and Hagen, M.</u>
10.00	Platinum-group element mineralization in Mesoproterozoic mafic-ultramafic complexes of the Fiskefjord block, West Greenland <u>McDonald, I., Armitage, P.E.B., and Harmer, R.E.</u>
10.20	Metamorphic history of Neoproterozoic terrane accretion in the Nuuk region, Southwest Greenland <u>Dziggel, A., Diener, J. F. A., Kolb, J., and Kokfelt, T. F.</u>
10.40	Zircon geochronological and Hf-isotopic constraints on the evolution of the NAC in South-East Greenland <u>Kokfelt, T. F., Næraa, T., Thrane, K. and Tusch, J.</u>
11.00	COFFEE <i>Chair: Hannah Hughes</i>
11.30	Processes of Neoproterozoic crustal growth constrained by Hf isotopes from the Lewisian Complex of NW Scotland and implications for global crustal growth models <u>Whitehouse, M. J., and Kemp, A. I. S.</u>
11.50	A North Atlantic Craton analogue for ancient detrital zircon suites <u>Kielman, R., Whitehouse, M. J., and Nemchin, A. N.</u>
12.10	Giant zircon crystals in ultramafic rocks within the Lewisian Complex: occurrence and implications <u>Faithfull, J.W., Dempster, T. and Reilly, M.</u>
12.30	Geochemical distinctions between ultramafic-mafic bodies in the Lewisian Complex <u>Guice, G. L., Hughes, H. S. R., and McDonald, I.</u>
12.50	LUNCH
	<u>Theme 2: Proterozoic orogens: the mobile belts surrounding the NAC</u> <i>Chair: David Corrigan</i>
13.50	Paleoproterozoic tectonic evolution and metallogeny of Fennoscandia <u>Lahtinen, R., Sayab, M., and Eilu, P.</u> <i>KEYNOTE</i>
14.30	The Sources of Hf in Gardar Magmas <u>Finch, A. A., Andersen, T., and Simonsen, S.</u>
14.50	Paleoproterozoic Ketilidian Orogen, South Greenland: a Structural, Geochemical and Geochronological Overview <u>Hamilton, M. A.</u>
15.10	Metamorphic evolution of relict eclogite-facies rocks in the Nagsugtoqidian Orogen, South East Greenland <u>Müller, S., Dziggel, A., and Kolb, J.</u>
15.30	Palaeoproterozoic terrane accretion to the NAC on the “southern” Nuna margin: new data from the Inner Hebrides, Stanton Banks & Rockall Bank <u>Daly J. S., Flowerdew, M. J., Whitehouse, M. J., Chew, D. M., Scanlon, R. P., Lam, R., Badenszki, E., and Morton, A. C.</u>
15.50	TEA

Chair: Andrew Kerr

16.20	Deciphering the Tectonic Evolution of Makkovik-Ketilidian Orogeny: Insight from a preserved Paleoproterozoic mobile belt, Labrador, Canada <u>Hinchey, A. M.</u>	KEYNOTE
17.00	The Core Zone: A ribbon continent accreted to the western edge of the North Atlantic Craton in Canada <u>Corrigan, D., Wodicka, N., McFarlane, C., Lafrance, I., Bandyayera, D., Bilodeau, C., and van Rooyen, D.</u>	
17.20	Crustal extrusion during the NAC-Superior collision: evidence from the Core Zone in Labrador and Quebec <u>van Rooyen, D., and Corrigan, D.</u>	
17.40	Linking Neoproterozoic paleogeography of the North Atlantic into assembly and dispersal of Rodinia <u>Cawood, P. A., Strachan, R. A., Pisarevsky, S. A., Gladkochub, D. P., and Murphy, J. B.</u>	

18.00-19.15 POSTER SESSION

Base-metal and Cu mineralisation proximal to the Randalstown Fault adjacent to the Navan Zn-Pb Deposit, County Meath, Ireland – a new feeder system?
Convery, M., Boyce, A., Newton, J., Blakeman, R., and Ashton, J.

The REE Rich Norra Kärr Meta-Syenite: Europe's Largest REE Resource
Dobrzański, A., Kirstein, L., Walcott, R., Butler, I., Ngwenya, B., and Leijd, M.

Zircon and monazite SIMS ages from Ramah Bayand Saglek Bay, Labrador: Neoproterozoic high-grade metamorphism of Mesoproterozoic sediments and Eoproterozoic granitoids
Dunkley, D. J., Whitehouse, M. J., Kusiak, M. A., Wilde, S. A., Sałacińska A., and Kielman R.

New insights into the origin of Pb-Zn veins-hosted mineralisation at Leadhills-Wanlockhead Orefield, Scotland
Essien, B., Stuart, F., Boyce, A., and Faithfull, J. W.

Feldspar Pb isotopic compositions from northern Fennoscandia and their application to characterising and correlating Palaeoproterozoic terranes
Flowerdew, M. J., Daly, J. S., Chew, D. M., and Fleming, E. J.

Gold Mineralisation in northern Sweden: the current state of knowledge
Gonzalez, J. and Morris, G. A.

Geochemistry and petrology of massive sulfides and cordierite-orthoamphibole rocks on Simiutat island, Nuuk area, SW Greenland
Hagen, M. and Kolb, J.

The halogen inventory of primitive alkaline-ultramafic magmatism of South Greenland
Hoare, B., Tomlinson, E., and Caulfield, J.

Carbonatite magmatism within the Fiskefjord Block of the West Greenland North Atlantic Craton: Hf isotope systematics
Hughes, J. W., Finch, A. A., Andersen, T., and Goodenough, K. M.

Mesoarchean orogenic gold mineralisation within the Nuuluk Linear Belt, Tartoq Gold Province, South-West Greenland
Hughes, J. W., Schlatter, D. M., and Kolb, J.

Diverse Geology and Metallogeny in the Autonomous Territory of Nunatsiavut: Opportunities for Resource Exploration and Research
Kerr, A. and Borlase, H.

Modal layering in granites: a new model for understanding mineralisation
McKenzie, K. A., McCarthy, W., and Hunt, E. J.

The abundance and distribution of pyrochlore-hosted Ta-mineralisation across the Swaldale region, Motzfeldt Centre, South Greenland

Reekie, C. D. J., and Finch, A. A.

Petrology and thermodynamic modelling of Archaean mafic supracrustal rocks from the Tasiusarsuaq Terrane, southern West Greenland

Reifenröther, R., and Dziggel, A.

Remembering Alfred Wegener (1880 – 1930): Greenlandic and Polar explorer and the father of plate tectonics

Schlatter, D. M.

Metallogeny and crustal architecture of South Greenland

Steenfelt, A., Kolb, J., and Thrane, K.

19.30

CONFERENCE DINNER & CEILIDH

WEDNESDAY (23rd March):

Theme 3: Mineral resources of the NAC and adjacent Palaeoproterozoic mobile belts

Chair: Adrian Finch

09.00

Sources of metals from the asthenosphere or lithospheric mantle and formation of the continental crust

Arndt, N.

KEYNOTE

09.40

Margins of the North Atlantic Craton: the world's most prospective zone for the critical rare earth elements?

Goodenough, K. M.

10.00

Precious and critical metal 'fingerprints' for on- and off-craton lithospheric mantle terranes and their correlation with crustal mineralisation – towards temporal and spatial mapping of SCLM metallogenesis

Hughes, H. S. R. and McDonald, I.

10.20

Petrogenesis of rare-metal pegmatites in high-grade metamorphic terranes: a case study from the Lewisian Gneiss Complex of north-west Scotland

Shaw, R.A., Goodenough, K.M., Roberts, N.M.W., Horstwood, M.S.A., Chenery, S.R. and Gunn, A.G.

10.40

World-Class Orthomagmatic Mineral Deposits on the western margin of the North Atlantic Craton in North America: Links to Mesoproterozoic Crustal Evolution

Kerr, A.

11.10

COFFEE

Chair: Jochen Kolb

11.40

The Barents Project: A multidisciplinary approach to mapping the north of Sweden

Morris, G. A., Lundin, I. A., and the Barents Project Team

12.00

The mineral endowment of the Archean craton and the Palaeoproterozoic orogen of South-East Greenland

Moller-Stensgaard, B.

12.20

Renewed exploration at Nalunaq gold mine, South Greenland – demonstrating continuity of the Main Vein orebody

Hughes, J. W., Abraham-James, T., van Gool, J., and Olafsson, E.

12.40

Is it possible to correlate the Paleoproterozoic gold belts of Nanortalik (southern Greenland) and Lycksele-Storuman (northern Sweden)?

Schlatter, D. M., Schlöglova, K., and Hughes, J. W.

13.00

LUNCH

Chair: Denis Schlatter

14.00	Large Igneous Provinces and Metallogeny; implications for mineral exploration in the North Atlantic Craton and surrounding regions <u>Jowitt, S. M. and Ernst, R. E.</u>	<i>KEYNOTE</i>
14.40	Direct U-Pb evidence for Paleoproterozoic subduction-related metasomatism of the sub-Gardar lithospheric mantle, SW Greenland <u>Hamilton, M. A., Upton, B. G. J., and Goodenough, K. M.</u>	
15.00	The role of the Greenlandic Ujarassiorit mineral hunt in promoting exploration <u>Petersen, J., Hollis, J. A., and Juul-Nielsen, A.</u>	
15.20	Dragging Exploration into the Quantum Age: using Atomic Dielectric Resonance technology to classify sites in the North Atlantic Craton <u>Robinson, M. J., and Stove, G. D. C.</u>	
15.40	The Cononish gold deposit – rejuvenating the metal mining industry in Scotland <u>Hill, N. J.</u>	
16.00	Insights on Greenlandic ruby/sapphire occurrences – New data from the Gemological Institute of Thailand and perspectives from selected small scale miners <u>Heide-Jørgensen, H., and Hollis, J.</u>	
16.20	DISCUSSION & TEA	