

The Circum-Arctic Mineral Resource Project

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This presentation is based on results from a cooperative project in which the partners are:

- The geological surveys of Canada, Denmark and Greenland, Finland, Norway, Sweden and the USA.
- The A.P. Karpinsky Russian Geological Research Institute (VSEGEI)
- The National Energy Authority of Iceland, Iceland GeoSurvey

These organisations have earlier cooperated on compilation of the bedrock geology, tectonics and aeromagnetic and gravimetric fields in the Arctic. The existing Fennoscandian Ore Deposit Database is of vital importance as a template for the project database.

Products from the project will include a database of major metal and diamond deposits N of 60°N, a printed map (1: 5,000,000) showing their distribution and two publications, one for the geoscientific public and a multilingual description for other interested groups. Information from the project will be provided on a dedicated web site to be hosted at NGU. The project will be completed in July 2016.

Major ore deposits of many kinds are found in the Arctic and production of certain commodities from the operating mines is of critical importance to global needs. The Fennoscandian region has particular importance as a dominant supplier of metals to the European Market. New deposits, some of "world class" are still being discovered in the Arctic region, even in areas which have been investigated for many decades: further potential is being recognized in new areas. This presentation will provide an overview of the most important metal mining operations in the Arctic with additional focus on projects in development and on new discoveries.

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