

## Critical Minerals Initiatives at Natural Resources Canada: Ensuring Canada's role in Global Supply Chains

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### Summary

In January 2020, Canada and the United States of America developed a Joint Action Plan on critical minerals that focusses on strengthening critical mineral trade relationships, as diversifying the global supply chain will be essential to a sustainable future. Currently, Canada supplies 13 (e.g., aluminum, uranium, potash, and graphite) of 35 minerals that the U.S. has deemed critical. The Canadian Minerals and Metals Plan is the policy framework through which the Government of Canada will strengthen the critical minerals industry across Canada, such that Canada will be well-positioned in the future to be an important supplier of over 20 critical minerals to the U.S. This effort will involve cooperative engagement and research with provincial governments, academia, and industry stakeholders on critical mineral exploration, development, and processing. Key aspects of this initiative are defining geological knowledge gaps and identifying central challenges to advancing the critical mineral industry. The Geological Survey of Canada's role in this initiative is to continue to build Canadian value chains by advancing mineral exploration efforts through critical mineral data synthesis and spatial and temporal modelling. Moving forward, the U.S. and Canadian governments will work collaboratively in a global framework to ensure efficient and sustainable discovery, development, and processing of critical minerals.

This presentation will focus on the challenges of the new geoscience programs, in particular the leveraging of geoscience data assets and digital transformation to support the global supply chains of critical minerals.