New critical mineral deposits are required to secure the supply of natural resources that are used in today’s advanced technologies. The discovery and sustainable development of these new deposits represents a global challenge. Governments and international geological survey organizations are responding by improved multinational cooperation, data sharing, and through investments in geoscientific research. This Critical Minerals Forum brings together representatives from multiple geological surveys organizations to provide an update on the latest geoscience results and to discuss future critical mineral research.

Presentations will focus on advanced mineral system models that are applicable to critical minerals and new methods for modelling mineral potential in buried, remote, and/or other challenging mineral exploration settings. Both of these research themes are included within the new Critical Mineral Mapping Initiative that is being conducted between the Geological Survey of Canada, Geoscience Australia, and the United States Geological Survey. Global efforts to expand this collaboration, including the development of an online geochemical portal for critical mineral deposits, will be discussed as part of this special session and is open to further contributions, research, and analysis.

The Critical Minerals Forum will be hosted as a set of three regional sessions (Americas, Europe and Africa, and Asia and Oceania). Each regional forum will feature pre-recorded lectures from science policy experts and geoscientists and a live plenary and moderated discussion session with attendees.

All pre-recorded presentations will be made available online the Monday prior to the live plenary and discussion sessions, and aired prior to the live sessions.

For more information, including registration details, please visit: www.americangeosciences.org/webinars/critical-minerals-forum-2021

All sessions will be conducted in English with live captioning in French, Spanish, Portuguese, Russian, Modern Chinese, and Hindi.

Please contact Christopher Lawley at christopher.lawley@canada.ca with any questions about this webinar series.
Advances in critical mineral research: A forum in memory of Victor Labson

Americas - 12 February 2021
The role of geological survey organizations to advance critical mineral research

Pre-recorded presentations live stream 11.00 - 13.00 EST | Available online 08 Feb
Live plenary and discussion 13.00 - 14.30 EST
10.00 (Vancouver) · 13.00 (Toronto, Lima, New York) · 18.00 (London) · 19.00 (Paris, Lagos)
20.00 (Johannesburg) · 21.00 (Nairobi) · 23.30 (Mumbai)
13 February 2021: 00.00 (Dhaka) · 02.00 (Beijing) · 03.00 (Tokyo) · 05.00 (Sydney)

Moderated by Geoff Plumlee, United States Geological Survey, USA

Presenters and Panelists
Warren Day and Anne McCafferty (plenary speakers), United States Geological Survey, USA
Geneviève Marquis, Geological Survey of Canada, Canada
Jean-Yves Labbé, Québec Ministère de l’Énergie et des Ressources Naturelles, Canada
Natalia Amezcua, Servicio Geológico Mexicano, Mexico
Felipe Espinoza, Servicio Nacional de Geología y Minería, Chile
Felipe Mattos Tavares, Serviço Geológico do Brasil, Brazil

Europe and Africa - 19 February 2021
The past, present, and future directions of critical mineral research

Pre-recorded presentations live stream 11.00 - 13.00 CET | Available online 15 Feb
Live plenary and discussion 13.00 - 14.30 CET
04.00 (Vancouver) · 07.00 (Toronto, Lima, New York) · 12.00 (London) · 13.00 (Paris, Lagos)
14.00 (Johannesburg) · 15.00 (Nairobi) · 17.30 (Mumbai) · 18.00 (Dhaka) · 20.00 (Beijing)
21.00 (Sydney)

Moderated by Geneviève Marquis, Geological Survey of Canada, Canada

Presenters and Panelists
Daniel de Oliveira and Javier González Sanz (plenary speakers), Laboratório Nacional de Energia e Geologia and Instituto Geológico y Minero de España, Portugal and Spain
Saku Vuori, Geologian Tutkimuskeskus, Finland
Kathryn Goodenough, British Geological Survey, United Kingdom
Blandine Gourcerol, Bureau de Recherches Géologiques et Minières, France
Håvard Gautneb & Janja Knežević Solberg, Norges Geologiske Undersøkelse, Norway
Lesego Peter & Puso Akanyang, Botswana Geoscience Institute, Botswana
Taufeeq Dhansay, Council for Geoscience, South Africa

Asia and Oceania - 26 February 2021
Geoscience to support critical mineral discovery

Pre-recorded presentations live stream 11.00 - 13.00 AWST | Available online 22 Feb
Live plenary and discussion 13.00 - 14.30 AWST
00.00 (Toronto, Lima, New York) · 05.00 (London) · 06.00 (Paris, Lagos) · 07.00 (Johannesburg)
08.00 (Nairobi) · 10.30 (Mumbai) · 11.00 (Dhaka) · 13.00 (Beijing) · 14.00 (Tokyo)
16.00 (Sydney) · 25 February 2021: 21.00 (Vancouver)

Moderated by Andrew Heap, Geoscience Australia, Australia

Presenters and Panelists
Karol Czarnota (plenary speaker), Geoscience Australia, Australia
Young Joo Lee, Coordinating Committee for Geoscience Programmes in East and Southeast Asia, Thailand
Seong-Jun Cho, Korea Institute of Geoscience and Mineral Resources, South Korea
Regine Morgenstern & Rose Turnbull, GNS, New Zealand
Helen Degeling, Geological Survey of Queensland, Australia
Dattatreya Jeere, Sandip Roy, and Muduru Dora, Geological Survey of India, India