

# Critical Minerals Forum

## Advances in critical mineral research: A forum in memory of Victor Labson

Organized by the Geological Survey of Canada, Geoscience Australia, and the United States Geological Survey

Sponsored by the World Community of Geological Surveys and hosted by the American Geosciences Institute

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](http://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](mailto:christopher.lawley@canada.ca) with any questions about this webinar series.





## 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

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 (Tokyo) \* 23.00 (Sydney)

Moderated by Geneviève Marquis, Geological Survey of Canada, Canada

#### Presenters

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, 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 Marina Costelloe, Geoscience Australia, Australia

#### Presenters

Karol Czarnota (plenary speaker), Geoscience Australia, Australia

Young Joo, 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 and Rose Turnbull, GNS, New Zealand

Helen Degeling, Geological Survey of Queensland, Australia