



Critical
Minerals
Mapping
Initiative

Critical Minerals Mapping Initiative Forum

28 June 2021

3:00 – 5:00 PM EDT / 8:00 – 10:00 PM CET

29 June 2021 5:00 – 7:00 AM AEST

Canada 



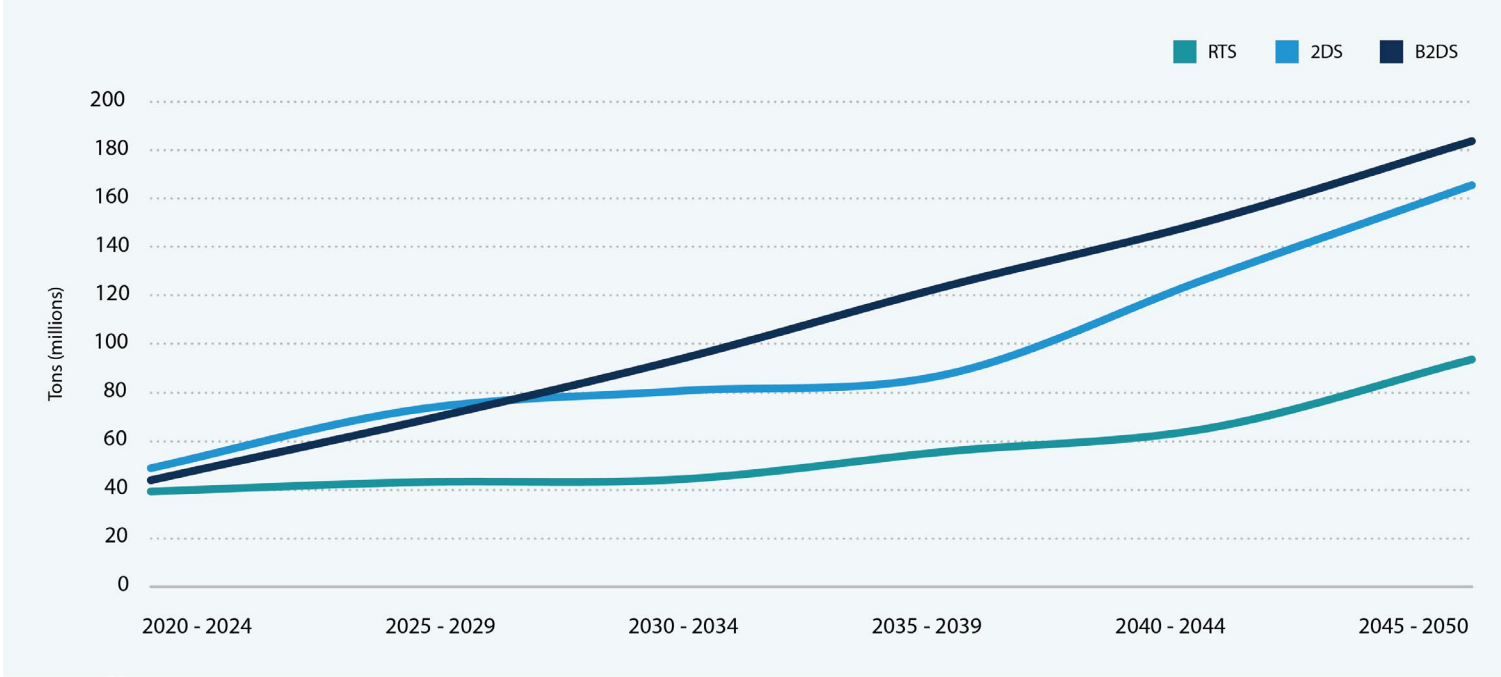
Australian Government
Geoscience Australia



Hosted by the American Geosciences Institute

Projected Annual Average Demand of Critical Minerals under IEA Scenarios

World Bank Report on Minerals for Climate Action, 2020

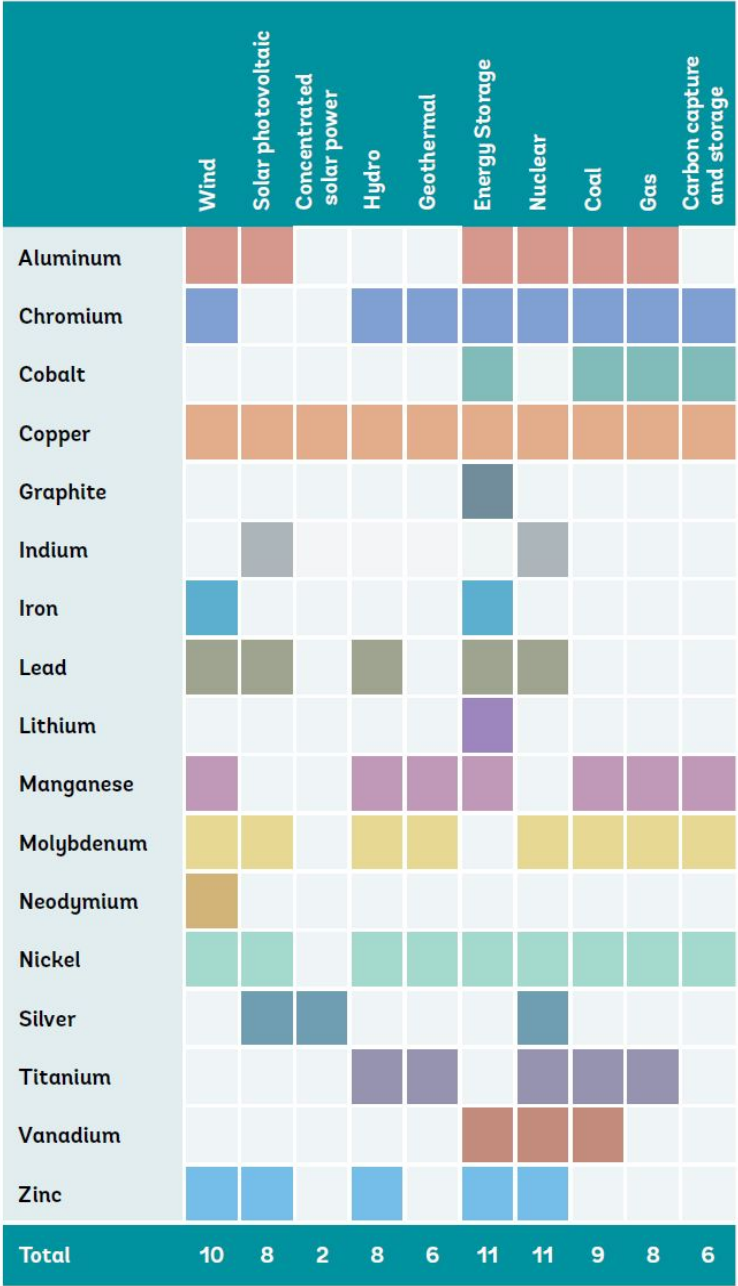


RTS
1.8 billion tons

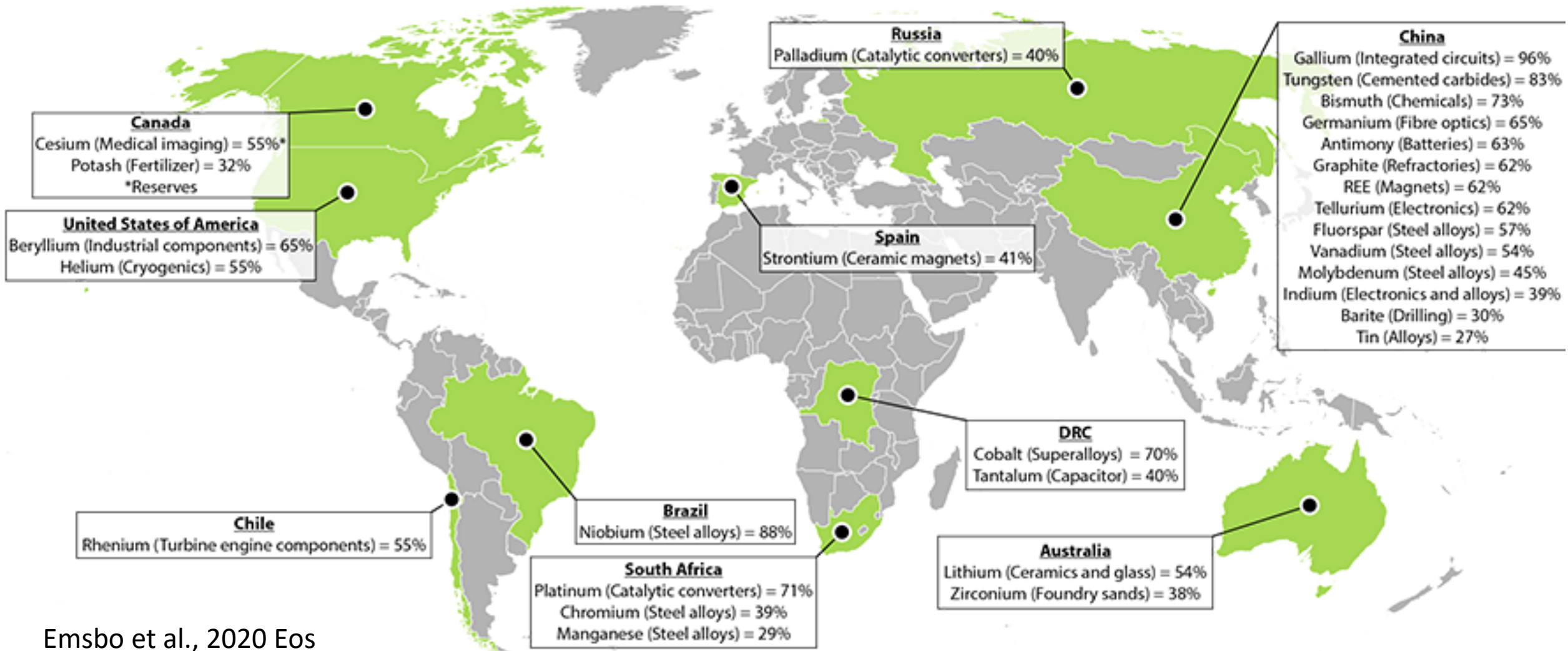
2DS
3.1 billion tons

B2DS
3.5 billion tons

Metals in key energy technologies



Global critical mineral production (2019)



Emsbo et al., 2020 Eos

Focus of the Critical Minerals Mapping Initiative

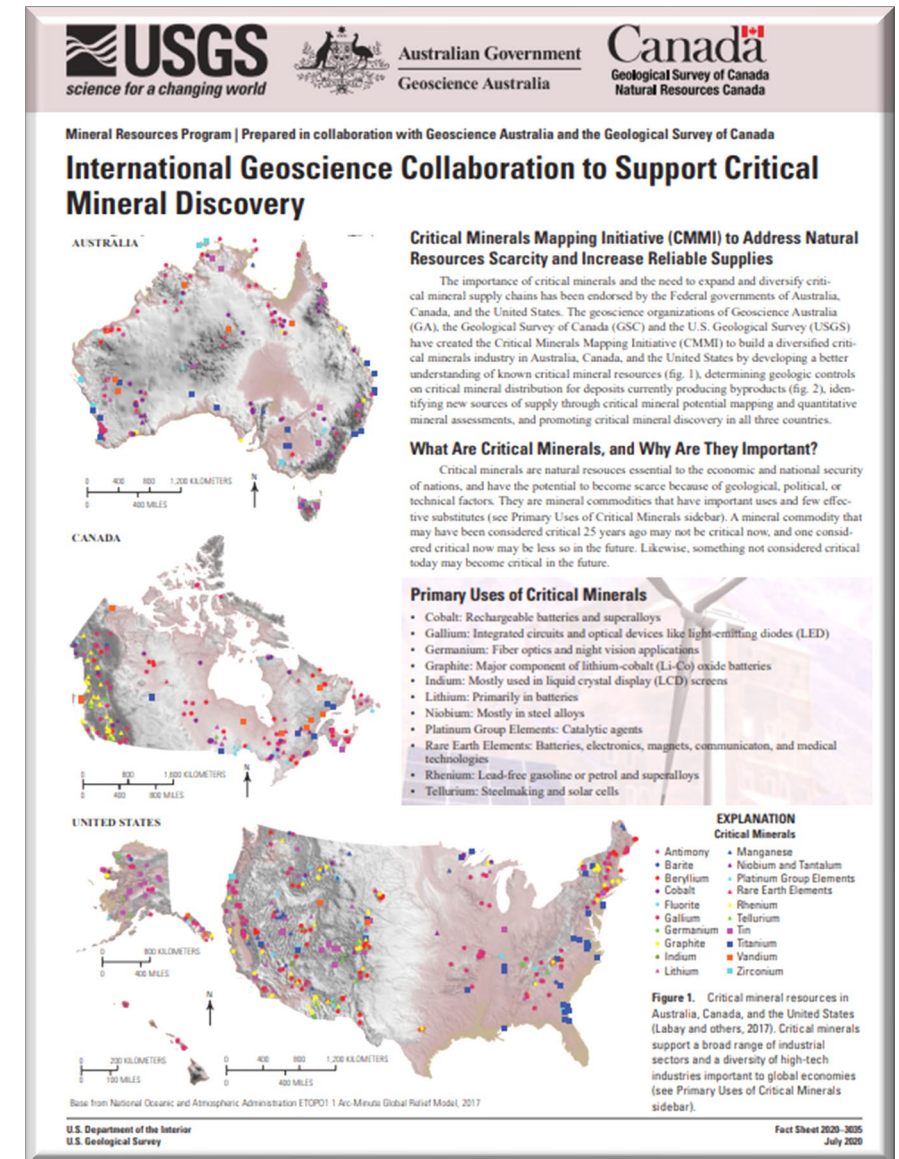


Inaugural Meeting of the Critical Minerals Mapping Initiative, December 2019 in Ottawa, Canada

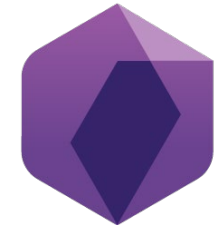
Focus of the Critical Minerals Mapping Initiative

- Promote critical mineral discovery in all three countries.
- Better understand critical mineral content in ores across Australia and North America
- Determine geological controls on critical mineral distribution in mineral deposits
- Identify new sources of supply through critical mineral potential mapping

Fact sheet: <https://pubs.usgs.gov/fs/2020/3035/fs20203035.pdf>



Critical Minerals Mapping Initiative Forum



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Session moderator

Marina Costelloe

Geoscience Australia, Australia

Presenters and panelists

Geological Survey Context

Thomas Crafford

United States Geological Survey, USA

Geneviève Marquis

Geological Survey of Canada, Canada

Andrew Heap

Geoscience Australia, Australia

Release of: Deposit classification,

Albert Hofstra

United States Geological Survey, USA

Critical minerals database and portal

David Huston

Geoscience Australia, Australia

Ongoing mineral potential mapping

Christopher Lawley

Geological Survey of Canada, Canada