

THE QUÉBEC PLAN FOR THE DEVELOPMENT OF CRITICAL AND STRATEGIC MINERALS

A + electric future. + thriving regions. A + eco-friendly Québec.



WHAT ARE CSMs?

Critical minerals:

- + Essential to key sectors of the economy
- + High risk of lack of supply
- + No commercial substitute

Strategic minerals:

Necessary for the implementation of major Québec policies such as:

- + the 2030 Plan for a Green Economy
- + the Stratégie québécoise de développement de la filière batterie (Québec strategy for development of the battery industry);
- + the Northern Action Plan 2023-2028

Let's continue with the energy transition, essential to fight climate change. Let's create wealth by developing our critical and strategic minerals (CSMs).

A CHANGING ECONOMIC CONTEXT

Renewable energy, transportation electrification, and advanced technologies are growing sectors for which a supply of critical and strategic minerals (CSMs) is essential.

In the current context of the energy transition, the demand for minerals will continue to increase; it is important that we have a plan to develop CSMs in our territory in order to make Québec a leader in the production, processing and recycling of CSMs.

A VISION

Recognized as a reliable, ethical, and sustainable partner, Québec contributes actively to global energy and technological transitions and to creating wealth in a greener economy through producing, transforming, and recycling quality CSMs.

Essential substances today and tomorrow!

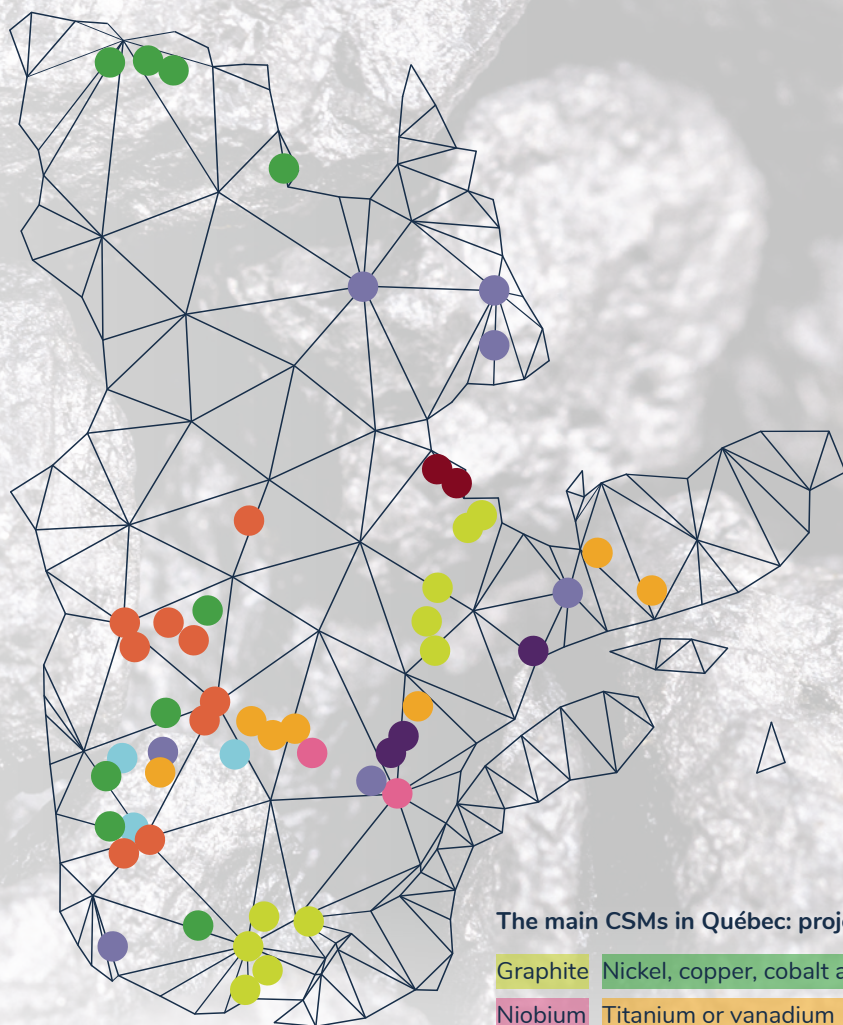
CSMS ARE A PART OF OUR DAILY LIVES:
THEY ARE FOUND EVERYWHERE!

- + Cellphones
- + Computers
- + Electronic tablets
- + Rechargeable batteries
- + Electric vehicles
- + Solar panels
- + Wind turbines
- + Aircraft engines
- + Drugs
- + Cosmetics
- + Surgical equipment
- + Dental devices
- + Medical imaging equipment
- + LED lighting
- + Touch screens



Critical and strategic minerals: essential to moving forward in digital and electric mode!

CSMs IN QUÉBEC: IMMENSE POTENTIAL, PROJECTS IN ABUNDANCE!



The main CSMs in Québec: projects and mines

Graphite	Nickel, copper, cobalt and platinum group elements	Lithium	Zinc and copper
Niobium	Titanium or vanadium	Rare earth elements	Apatite
			High-purity iron

DID YOU KNOW?

Québec:

- + is a major mining producer in Canada.
- + has a wide range of mineral resources.
- + developed a list of 28 minerals* identified as critical or strategic.
- + is the first province in Canada to present a plan to develop its CSMs.

The evolution of demand for CSMs by 2050**

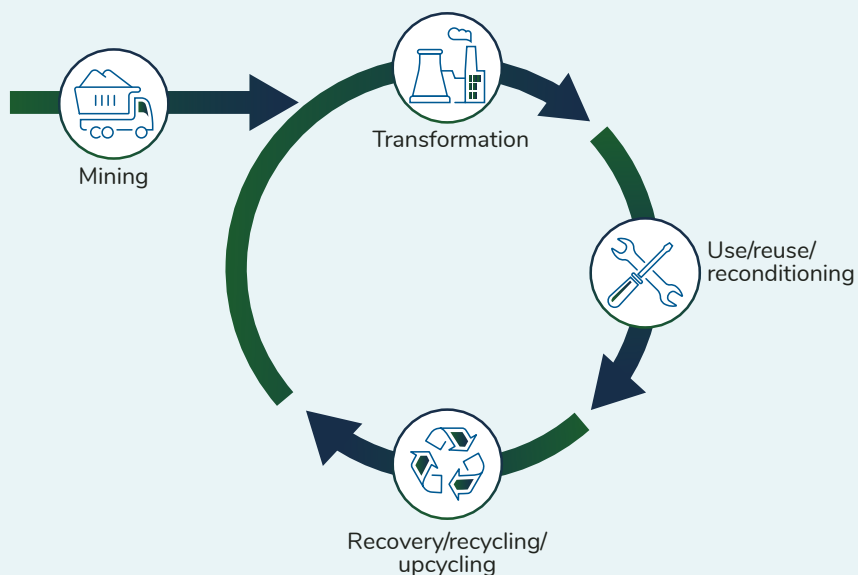
Cobalt	Lithium	Graphite
+460%	+488%	+494%

* CSMs vary over time and from country to country, depending on the needs of states and their own resources

** World Bank, 2020

THE OPPORTUNITY TO BECOME A LEADER IN THE CIRCULAR ECONOMY

Since CSMs are non-renewable, optimal resource use strategies such as eco-design, reuse, and recycling should be encouraged. The circular economy, at the heart of this plan, will reduce our environmental footprint and meet the demand for CSMs.



INVESTMENTS AND ACTIONS

1/ EXPLORE

- + Mapping the CSM potential in Québec
- + Building geoscientific knowledge and leveraging digital innovations
- + Supporting a national collaborative R&D network for CSMs, from exploration to recycling

2/ DEVELOP

- + Providing financial support for structuring projects in exploration, processing, recycling, artificial intelligence and R&D, for value chains that create impacts in Québec
- + Consolidating infrastructure networks and make them levers for development

3/ RECYCLE

- + Maximizing CSM upcycling, transformation, and recycling initiatives in Québec from a circular economy perspective

4/ COMMUNICATE

- + Raising public awareness of the importance of CSMs
- + Encouraging regular communication with local and Indigenous communities to promote the social acceptability of projects and harmonization of land uses
- + Promoting Québec internationally as a responsible partner in the supply of CSMs and attracting investments here



A PLAN OF EXCELLENCE FOR A GREENER ECONOMY

With diverse mineral resources, promising territory, recognized expertise, clean and renewable energy, and ethical practices for the workforce, the environment, and local populations, **Québec has everything it needs to create sustainable wealth and position itself on the world economic stage.**

We are undertaking this major project with our regional, municipal, Indigenous, national, and international partners. It will benefit all of Québec and its regions: quality jobs and businesses that thrive here and abroad.

To learn more:

[Québec.ca/critical-strategic-minerals](https://Quebec.ca/critical-strategic-minerals)

Ressources naturelles
et Forêts

Québec

