

# QUÉBEC PLAN FOR THE DEVELOPMENT OF CRITICAL AND STRATEGIC MINERALS

A more electric future. More prosperous regions. A more eco-friendly Québec.



## WHAT ARE CSMs?

### Critical minerals:

- + Essential to the key sectors of the economy
- + High risk of shortages of supply
- + No commercial substitutes

### Strategic minerals:

Necessary for the implementation of Québec's major policies, such as:

- + 2030 Plan for a Green Economy
- + 2020-2023 Northern Action Plan

**Continue the green energy transition, essential to the fight against climate change.  
Create wealth by developing our CSMs.**

## A CHANGING ECONOMIC CONTEXT

Renewable energy, transportation electrification and high technology are growth sectors for which a supply of critical and strategic minerals (CSMs) is indispensable.

In the current context of economic recovery, the demand for minerals will continue to increase. It is important to adopt a development plan for the CSMs in our territory to meet our needs.

## A VISION

Recognized as a reliable, ethical and sustainable partner, Québec contributes actively to the global green energy and technological transitions and to wealth creation in a greener economy through the production, transformation and recycling of quality CSMs.

# Indispensable substances for today and tomorrow!

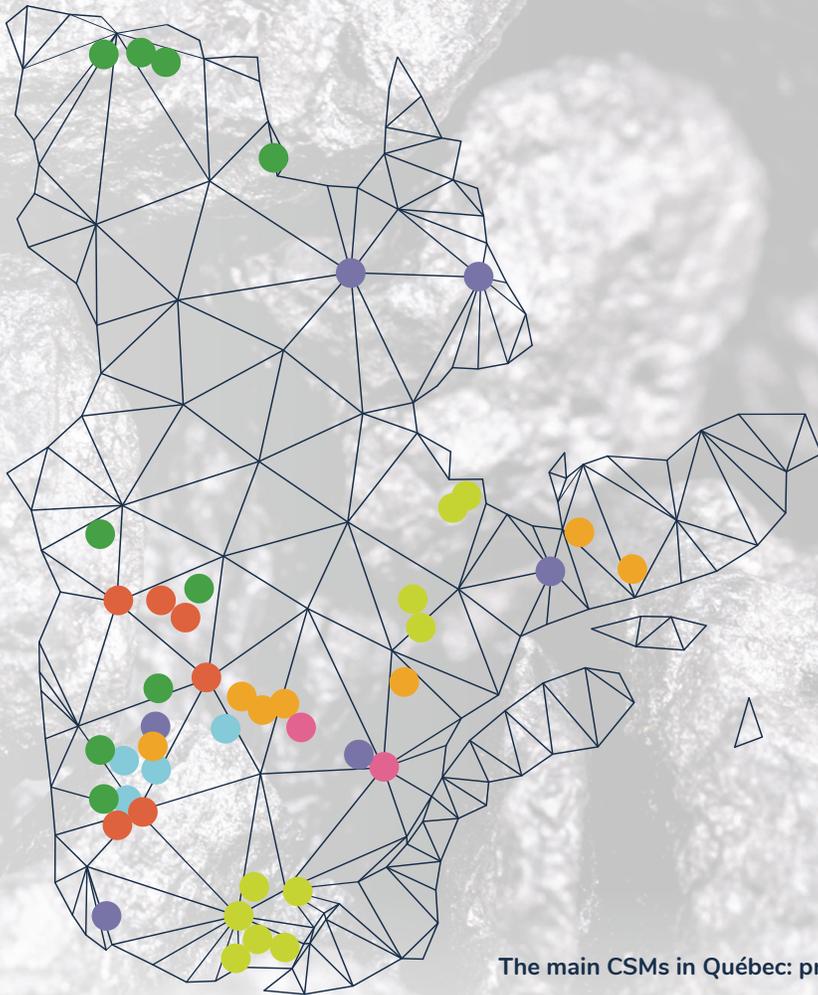
CSMs ARE PART OF OUR EVERYDAY LIVES:  
THEY ARE FOUND ALMOST EVERYWHERE!

- + Cell phones
- + Computers
- + Electronic tablets
- + Rechargeable batteries
- + Electric vehicles
- + Solar panels
- + Wind turbines
- + Aircraft engines
- + Medications
- + Cosmetics
- + Surgical equipment
- + Dental instruments
- + Medical imaging equipment
- + LED lighting
- + Touch screens



“CRITICAL AND STRATEGIC MINERALS: ESSENTIAL FOR PROGRESS IN DIGITAL  
AND ELECTRICAL 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	

## DID YOU KNOW?

### Québec:

- + is a major mining producer in Canada.
- + has highly diversified mineral resources
- + has established a list of 22 minerals\* considered critical and strategic
- + is the first Canadian province to present a CSM development plan

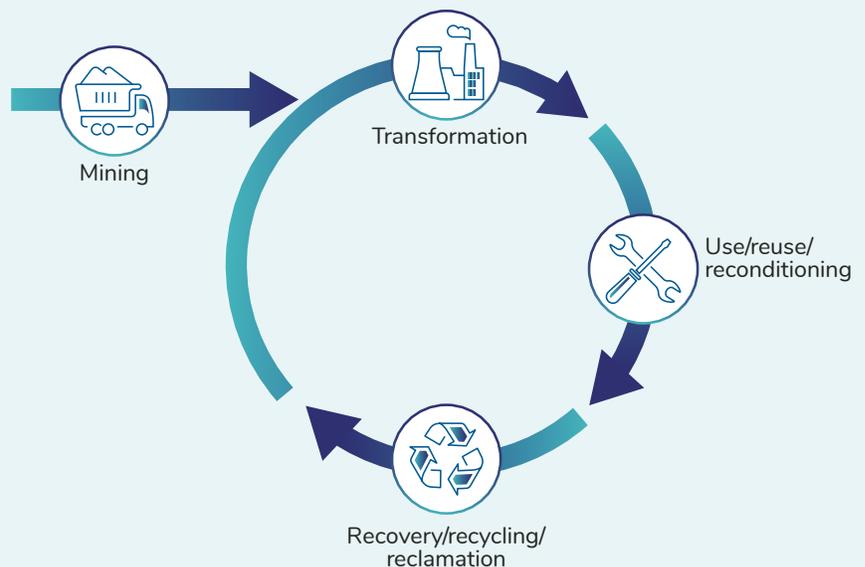
### Trend of CSM demand by 2050

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

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

## THE OPPORTUNITY TO BECOME A LEADER IN THE CIRCULAR ECONOMY

CSMs are not renewable, so strategies for optimum use of resources must be encouraged, such as ecodesign, reuse and recycling. The circular economy, at the core of this plan, will allow us to reduce our environmental footprint and satisfy CSM demand.



## INVESTMENTS AND ACTIONS

# 1/ EXPLORE

- + Map Québec's CSM potential
- + Acquire geoscientific knowledge and benefit from the digital innovations in data processing that arise from it
- + Create a national R&D network, which will bring together all the stakeholders in the field, encourage synergy and optimize investments in innovation

# 2/ SUPPORT

Provide financial support to structuring projects in exploration, transformation, recycling, artificial intelligence and R&D for impact-creating value chains in Québec

# 3/ DEVELOP

Consolidate the infrastructure networks and make them development levers

# 4/ RECYCLE

Maximize CSM development, transformation and recycling initiatives in Québec in a circular economy perspective

# 5/ PROPEL

Promote Québec internationally as a responsible partner for supply of CSMs and attract investments to Québec

# 6/ EXPLAIN

- + Raise public awareness about the importance of CSMs in everyday life
- + Promote regular communication with the local and Indigenous communities to promote the social acceptability of the projects and harmonization of land uses



## AN EXCELLENCE PLAN FOR A GREENER ECONOMY

Diversified mineral resources, a promising territory, recognized expertise, clean and renewable energy, ethical practices for labour, the environment and local populations: **Québec has everything necessary to create sustainable wealth and position itself on the global economic stage.**

We are undertaking this major initiative with our regional, municipal, Indigenous, national and international partners. It will benefit Québec as a whole and its regions with quality jobs and businesses that will prosper here and internationally.

To learn more:

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

Énergie et Ressources  
naturelles

Québec 