



UNFC in the EU Critical Raw Materials Act

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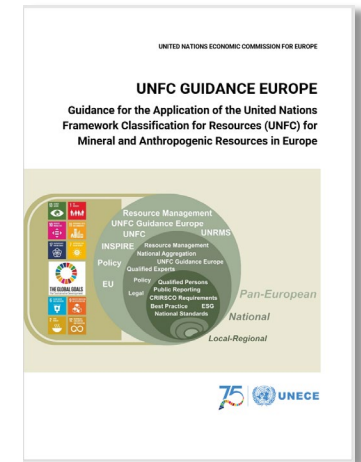
*European Commission. Directorate-General for Internal Market, Industry,
Entrepreneurship and SME's (DG GROW).*

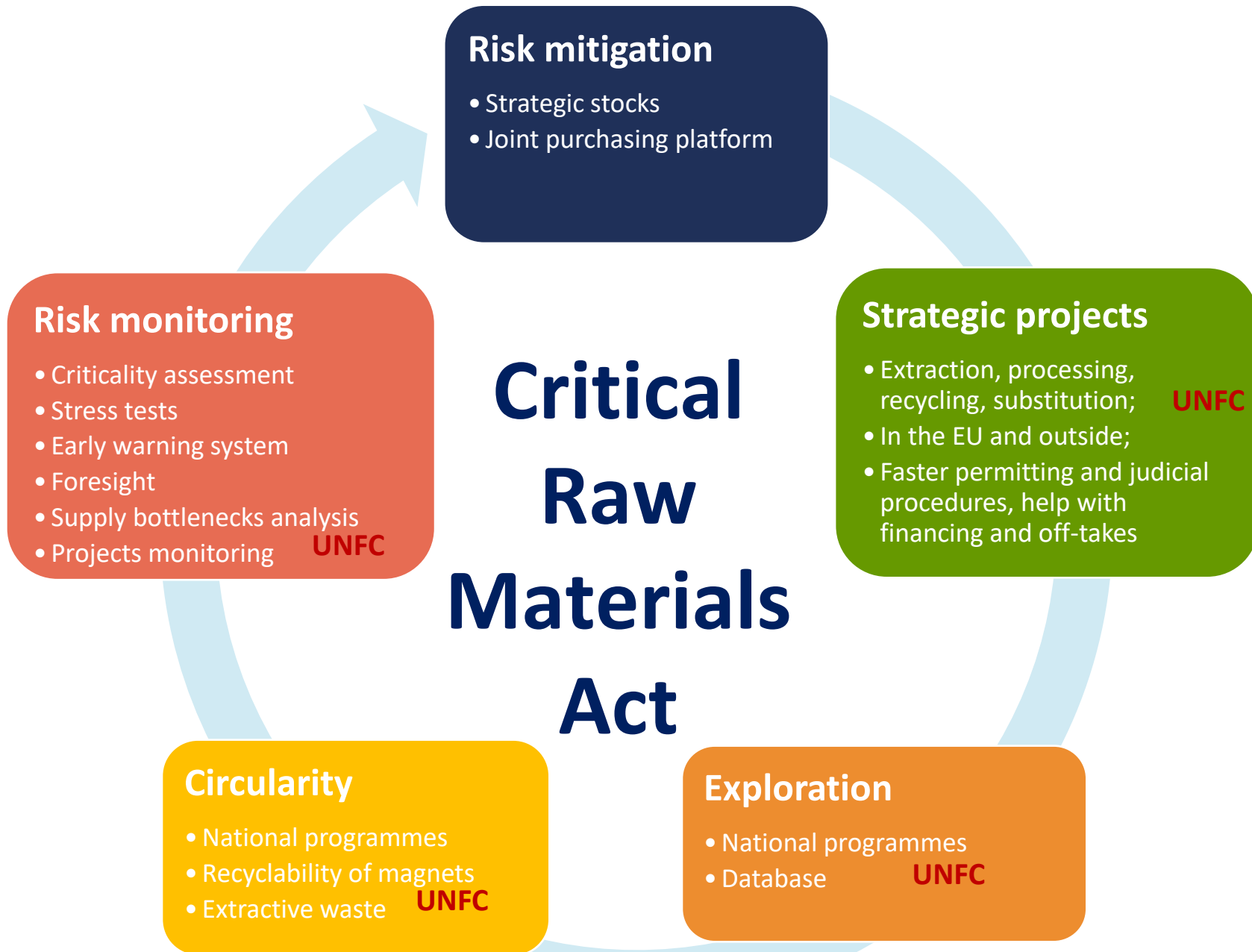
Unit I1 - «Energy intensive industries and Raw Materials»

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Deploying UNFC in the EU

- UNECE projects to support development and implementation of UNFC and UNRMS in the EU and beyond 2020-2024 and 2024-2027
- Network of practitioners
- UNFC Guidance Europe 2022
- EU database of CRM projects (since 2018)
- **EU projects:** Geological Service for EU (GSEU), Future Availability of Secondary Raw Materials (FutuRaM), Exploration Information System (EIS), Vectors to Accessible Critical Raw Material Resources in Sedimentary Basins (VECTOR), Agile Exploration and Geo-modelling for European Critical Raw materials (AGEMERA)...
- **Critical Raw Materials Act – Regulation to enter into force in May 2024**





PRIORITIES

CRITICAL RAW MATERIALS

- Whole EU economy

STRATEGIC RAW MATERIALS (SRM)

- Key for strategic technologies (green, digital, defence and space)

2030 BENCHMARKS

SRM supply security

- extraction capacity >10%
- processing capacity >40%
- recycling capacity >25%

Diversification of supply

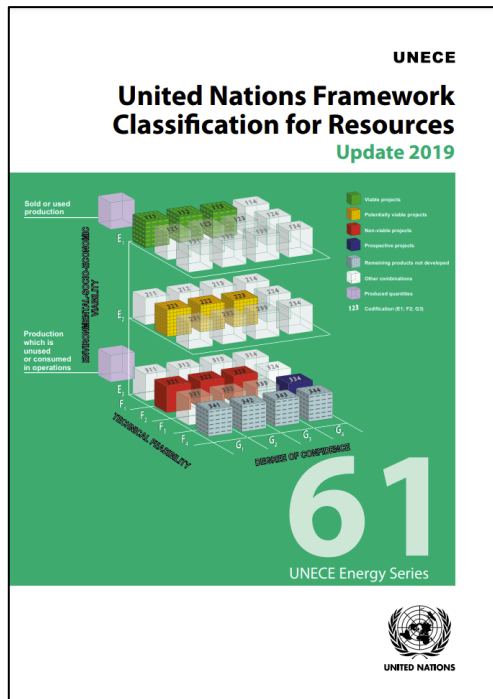
- <65% from a single third country.

Priorities: Critical and Strategic Raw Materials 2023

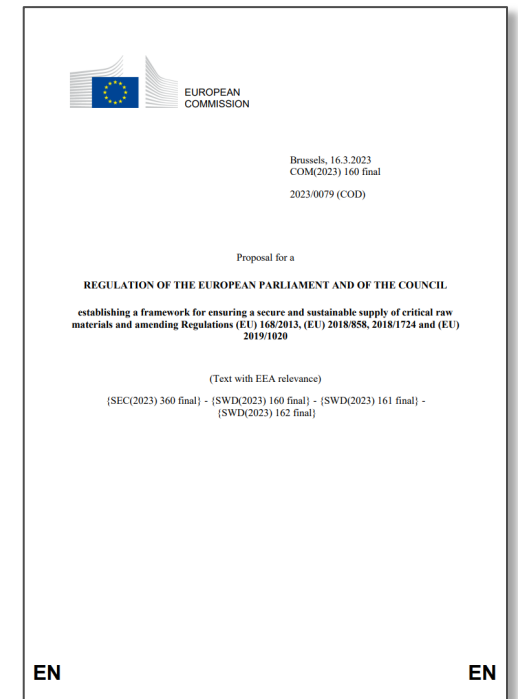
34 RAW MATERIALS DEFINED as CRITICAL and 17 as STRATEGIC

- Antimony
- Arsenic
- **(Bauxite/Aluminium)**
- Baryte
- Beryllium
- **Bismuth**
- **Boron**
- **Cobalt**
- Coking Coal
- **Copper**
- Feldspar
- Fluorspar
- **Gallium**
- **Germanium**
- Hafnium
- Helium
- **Heavy Rare Earth Elements**
- **Light Rare Earth Elements**
- **Lithium**
- **Magnesium metal**
- **Manganese**
- **Graphite Natural (and Synthetic)**
- **Nickel – battery grade**
- Niobium
- Phosphate rock
- Phosphorus
- **Platinum Group Metals**
- Scandium
- **Silicon metal**
- Strontium
- Tantalum
- **Titanium metal**
- **Tungsten**
- Vanadium

UNFC in CRMA



1. STRATEGIC PROJECTS
2. EXPLORATION
3. MONITORING
4. EXTRACTIVE WASTE



STRATEGIC PROJECTS

Chapter 3: Strengthening the Union raw materials value chain

SECTION 1: STRATEGIC PROJECTS

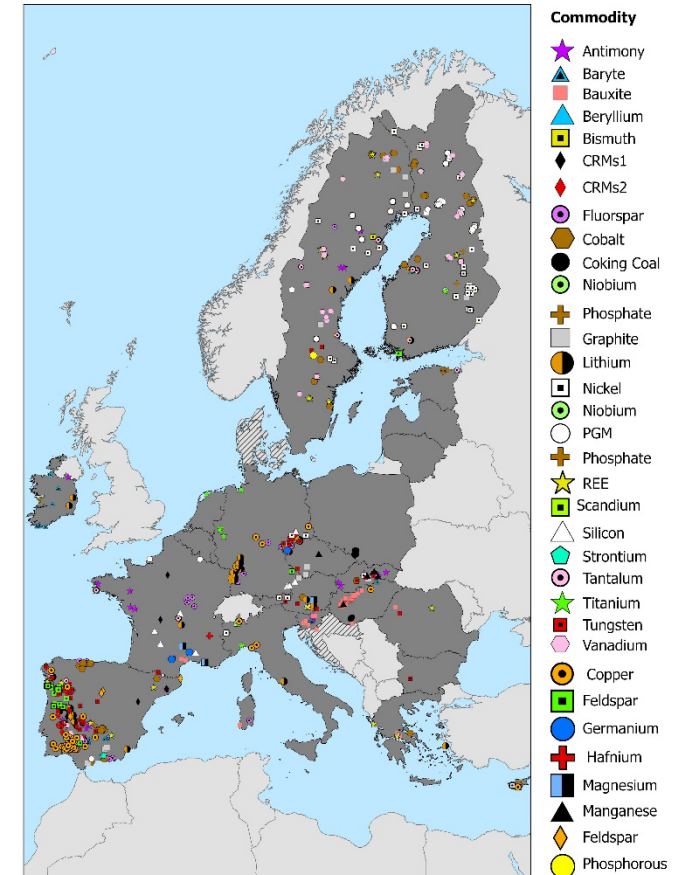
Article 7: “Applications for recognition of a raw material project as a **Strategic Project** shall be submitted by the project promoter to the Commission. The **application** shall include: a classification of the project according to the **United Nations Framework Classification for Resources**, supported by appropriate evidence”

- **Projects across the whole SRM value chain:** extraction – processing – recycling - production of relevant substitute materials, both in the **EU and third countries**
- **1st Call for applications** - 23 May 2024, Infoday on 30 April, UNFC training in June and July 2024, evaluation, consultation of the Board, and selection by Nov 2024
- **Implementing Act on the application template** for strategic projects (taking into account the experience from the first Call for application)

Main results

- 1246 projects from 22 countries, with 85% validated by Member States
- 28 critical raw materials / 15 strategic raw materials and 11 other raw materials
- **1073 projects (86%) classified using UNFC from which 256 are classified as viable or potentially viable.**
- 116 advanced projects not classified with UNFC but are at operational, feasibility or pre-feasibility stages.

EU database of CRM projects (2023)



Data gathered by the Commission with Member States

MONITORING

Chapter 4: Risk monitoring and mitigation

Article 21: Information obligations for monitoring: two years from the date of entry into force of this Regulation “**Member States** shall, in their reports submitted pursuant to Article 45, provide information to the Commission on **new or existing critical raw material project** on their territory that is relevant regarding to Article 20(1), point (d), including a classification of new projects according to the **United Nations Framework Classification of Resources.**”

- Informal collection EU CRM projects will be formalized and expanded
- The Commission may adopt implementing acts setting out a template for the reports
- Monitoring sub-group of the Board

EXPLORATION

Chapter 3: Strengthening the Union raw materials value chain

SECTION 4: EXPLORATION

Article 19: National exploration programmes: by one year from the date of entry into force of this Regulation “**Member States** shall make maps that show basic information on mineral occurrences containing **critical raw materials** gathered through the measures set out in the national programmes referred to in paragraph 1 publicly available on a free-access website. That information shall, where applicable, include the classification of the identified occurrences using the **United Nations Framework Classification for Resources.**”

- The Commission may adopt implementing acts establishing a template for making available the required information
- Exploration sub-group of the Board

CIRCULARITY

Chapter 5 Sustainability

SECTION 1: CIRCULARITY

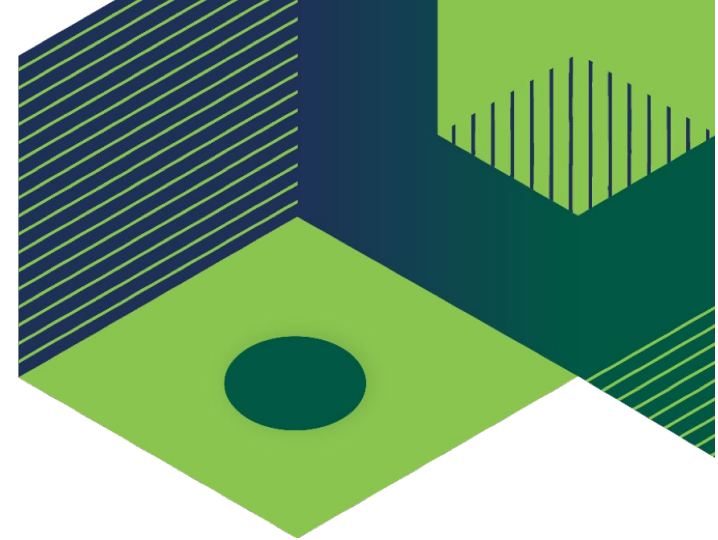
Article 27: Recovery of critical raw materials from extractive waste: “... Where possible, the **Member States** shall include in the **database** a classification of the closed **extractive waste facilities** according to the **United Nations Framework Classification for Resources**.”

- Member States set up their databases in 18M and introduce information in 3 years
- Circularity sub-group of the Board

Why UNFC in CRMA?

UNFC is simple to use and allows us to

- **Compare different resource projects** (minerals, secondary raw materials including EoL, hydrogen, renewable energy ...)
- **Classify the projects along value chain** from exploration, mining, processing and recycling
- **Assess environmental and social performance of the projects**
- **Monitor development of projects over time**
- **Transpose information from a wide range of reporting systems with No extra burden for users**



Useful links

[CRM Act \(overview\)](#)

[CRM Act \(Draft Regulation\)](#)

[CRM Act \(Communication\)](#)

[2023 Study on CRMs for the EU](#)

[2023 JRC Foresight Study](#)

[CRM Factsheets by SCRREEN](#)



"THE VIEWS EXPRESSED DO NOT NECESSARILY REFLECT THE VIEWS OF THE UNITED NATIONS."