



A briefing on the UN Secretary General's Initiative

'Harnessing Critical Energy Transition Minerals for Sustainable Development in LDCs and LLDCs Just Transitions in Low Carbon Technologies'

Sheila Aggarwal-Khan
Director, Industry and Economy Division
United Nations Environment Programme

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Responsible mining of critical energy transition minerals is an imperative

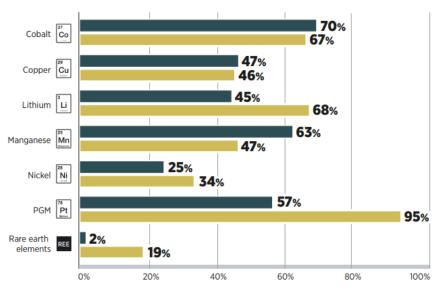
- The energy transition will require **more minerals to be extracted at a faster pace.**
- This comes with opportunities but also impacts on people and planet (climate, biodiversity and pollution).
- UNEP has advocated for a **well-managed and responsible extraction of critical energy transition minerals** that supports reaching net-zero by 2050, while not imperiling other environmental goals.
- A **systems change** towards resource efficiency and circularity is critical, and so is **sharing the benefits** from circularity with original mineral owners.





LDCs, LLDCs and developing countries have an important share of critical energy transition minerals

Share of global mineral production and reserves held by developing countries (2017)



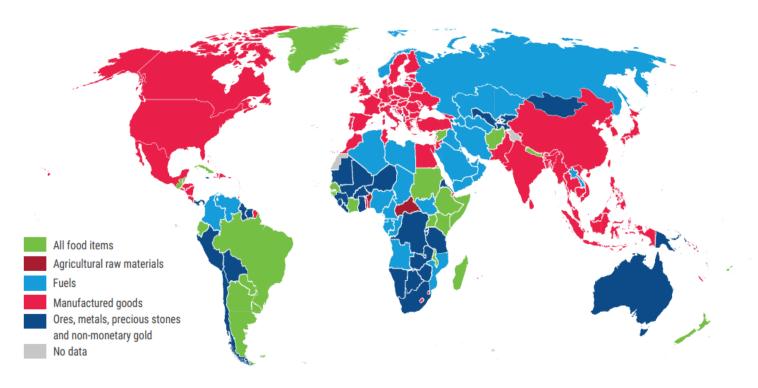
Source: IRENA (2023), Geopolitics of the Energy Transition: Critical Materials



Mapping of strategic minerals for the low-carbon transition and respective main producers World production Critical raw materials Main uses Main producers (tons), 2021 (tons), 2021 Rare earths Australia, Brazil, Burundi (100), China, India, Madagascar (3 200), Myanmar (26,000), Russian Federation, Thailand, United States, Vietnam; South Africa* and the United Republic of Tanzania* 950 000 Brazil, China, Israel, Kazakhstan, Russian Federation, Magnesium Türkiye, Ukraine, United States Niobium Brazil, Burundi (23), Canada, China, Democratic Republic of the Congo (560), Ethiopia (6.9), Mozambique (9.1), Nigeria, Russian Federation, Rwanda (156), Uganda (6.6) Germanium China Russian Federation United States Lithium 100 000® Argentina, Australia, Brazil, Chile, China, Portugal, United States, Zimbabwe; Democratic Republic of the Congo*, Mali* Argentina, polivia (Flurmational State Of), Orine, DUI ates 001 010 C China, Iran (Islamic Republic of), Kazakhstan, Peru, Russian Federation, Türkiye, United States**, Guinea**, Madagascar** Strontium 360 000 Argentina, China, Iran (Islamic Republic of), Mexico, Spain Cobalt 170 000 Australia, Canada, China, Democratic Republic of the Congo (120 000), Cuba, Indonesia, Madagascar (2 500), Morocco, Papua New Guinea, Philippines, Russian Federation, United States, Zambia (367)** Nickel 2 700 000 Australia, Brazil, Canada, China, Indonesia, France (New Caledonia), Madagascar (9 900)**, Philippines, Russian Federation, United States, Zambia (3 251)** 21 000 000 Australia, Canada, Chile, China, Democratic Republic Copper of the Congo (1 800 000), Eritrea (21 725)**, Indonesia, Kazakhstan, Mauritania (28 491)**, Mexico, Peru, Poland, Russian Federation, United Republic of Tanzania (12 000)**, United States, Zambia (830 000) Source: UNCTAD (2022), The Least Developed Countries Report 2022

LDCs and LLDCs have many development needs and are commodity-dependent







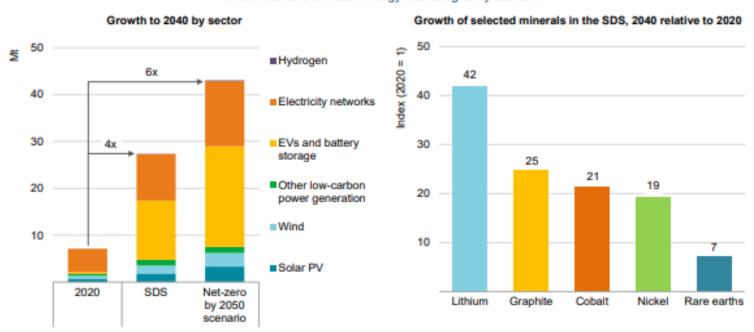




How can these countries harness the increasing demand for critical energy transition minerals for Sustainable Development?

Mineral demand for clean energy technologies would rise by at least four times by 2040 to meet climate goals, with particularly high growth for EV-related minerals

Mineral demand for clean energy technologies by scenario



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Notes: Mt = million tonnes. Includes all minerals in the scope of this report, but does not include steel and aluminium. See Annex for a full list of minerals.





The UN Secretary General Working Group on Transforming Extractive Industries for Sustainable Development



Develop a common narrative and framework



Frame an implementation initiative to deploy recommendations



Develop **policy recommendations**, tailored to national governments, non-state actors.



Provide a central hub of information and knowledge exchange on global policy actions, global standards, tools and best practices.



Foster collaboration to respond better to existing and emerging needs for state and non-state actors.



Align efforts with ongoing processes and events relevant to extractive industries

Harnessing Critical Energy Transition Minerals for Sustainable Development in LDCs and LLDCs

Just Transitions in Low Carbon Technologies

Technical and political support based on carefully curated solutions from a diverse range of UN actors to develop safeguards, standards, policy incentives, and strategies for a Sustainable and Just Mineral Development.

Mobilization of actors along the supply chain to build trust, introduce sustainable development perspective and enable new market opportunities

Enhanced
national
capacities to
negotiate, attract
investment,
create
partnerships,
develop skills for
new business
model, manage
job transition

Tools to
effectively
assess and
manage socialenvironmental
risks linked to
mining

Stronger governance and safeguards against illicit flows, corruption



Galvanizing collective action for just transitions in critical energy transition minerals

UN Framework on Just Transitions for Critical Energy Transition Minerals

Bringing together producers and

UN SECRETARY-GENERAL'S WORKING GROUP

FOR SUSTAINABLE DEVELOPMENT

ON TRANSFORMING THE EXTRACTIVE INDUSTRIES

A framework that will multistakeholder a space to exchange views and best practices

Breaking silos

A framework codeveloped by UNDP, UNEP, UN Regional **Economic Commissions.** UNCTAD, ILO, UNIDO, **OHCHR**

UN Agencies

> **UN RCs** and RCOs

Experts

Effective environmental and

social protection

Economic

transformation,

producer empowerment

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Strong regulatory

environment

Trust and transparency

> **Private Sector** (mining, finance, trade)

Countries

Regions

Civil society

CONNECTING

Knowledge and actors along the supply chain

ENSURING JUST MINERALS TRANSITIONS

Impact-Oriented

A framework that will identify principles, policies and partnerships to build durable institutional capacities

Building on years of knowledge and experience

A framework that will build on the work and expertise from the UN, IEA, IRENA, IGF, OECD, World Bank, EITI, IRMA, and others.

consumers

be developed through meaningful and broad consultations, offering

Harmonizing effective approaches

Bringing in voices from several parts of the value chain to harmonize safeguards, create enabling conditions for economic transformation, reliability, resilience and benefit-sharing

The UN Framework on Just Transitions for Critical Energy Transition Minerals

Module 1: Building trust in the critical minerals supply chain

Module 2:

Enhancing producer capacities to overcome asymmetries of power

Module 3: Strengthening trade potential

Module 4: Protecting people and planet (UNEP, UNDP, OHCHR)

Module 5: Creating a strong regulatory environment for just transitions



Module 4: Protecting People and Planet

UNEP, OHCHR, UNDP developing module around three dimensions:

- Look at ways and means of **going beyond doing no harm in mining sites** and their surroundings, towards net-positive impacts on land and biodiversity, including restoration and rehabilitation.
- Rights-based mineral economic development, protecting human rights, including the right to a clean, healthy and sustainable environment as well as the responsibility and accountability of governments and industry. Consider socio-economic aspects such as jobs and livelihoods
- Explore opportunities for responsible mining and minerals value chains, including improved sourcing of materials, addressing unsustainable resource extraction by lowering the pressure of extraction through circular approaches, recycling of minerals, provenance, tracking, value addition and benefit sharing.



