TRANSFORMING EXTRACTIVE INDUSTRIES

COLLABORATIVE STRATEGIES FOR A LOW-CARBON AND CIRCULAR ECONOMY

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SUSTAINABLE CRM DEVELOPMENT

• Risks to CRM operations can be social, environmental, regulatory, market, business, political, and financial.

• Mapping the CRM Value chain to SDGs and ESG risks can bring order to assessing and managing the issues.

• A CRM SDG Risk index and a dashboard can identify and mitigate these risks and lead to more sustainable CRM practices.
Mining Risks and Sustainable Development Goals

- Mineral extraction risks can have a significant impact on achieving various SDGs.
- Poverty eradication can be affected by mining risks through social and economic impacts on communities.
- Mining risks can disproportionately impact gender equality, particularly through access to employment opportunities.
- The environmental impacts of mining operations can impede access to clean water and energy.
- Sustainable economic growth, resilient infrastructure, responsible production and consumption, and climate action can all be affected by mining risks in different ways.
Integrated and sustainable management of natural resources is critical to meeting universal needs.

Resources must be managed as a public good to achieve key SDGs.

UNFC and UMRMS provide the right information and tools to manage natural resources.
CIRCULAR ECONOMY APPROACH

Prioritizing

Prioritizing resource efficiency, waste reduction, and environmental protection.

Addressing

Addressing environmental, social, and governance issues in mining.
Closed-loop systems – the circular revolution

Artificial Intelligence – smart resource management

New materials – materials miracle
CRM SDG RISK INDEX

The index helps identify areas where SDGs may be impacted due to supply disruptions of CRMs and inform decision-making to promote more robust practices, including ESG performance.
A Global UNFC and UNRMS-based CRM information dashboard that include the CRM SDG Risk Index, supported by AI and ML, could be established and accessed by governments, industry, the financial sector and civil society for strategic decision making.
BALANCING TRADE-OFFS

Addressing poverty OR climate change?

The tyranny of the OR ...

... the promise of AND

Addressing poverty AND climate change!
CONCLUSION

01
Critical importance of mapping CRM risks to SDGs.

02
Have an eye for the future through a CRM dashboard.

03
UNFC and UNRMS helps in finding balanced solutions.
Thank you!

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