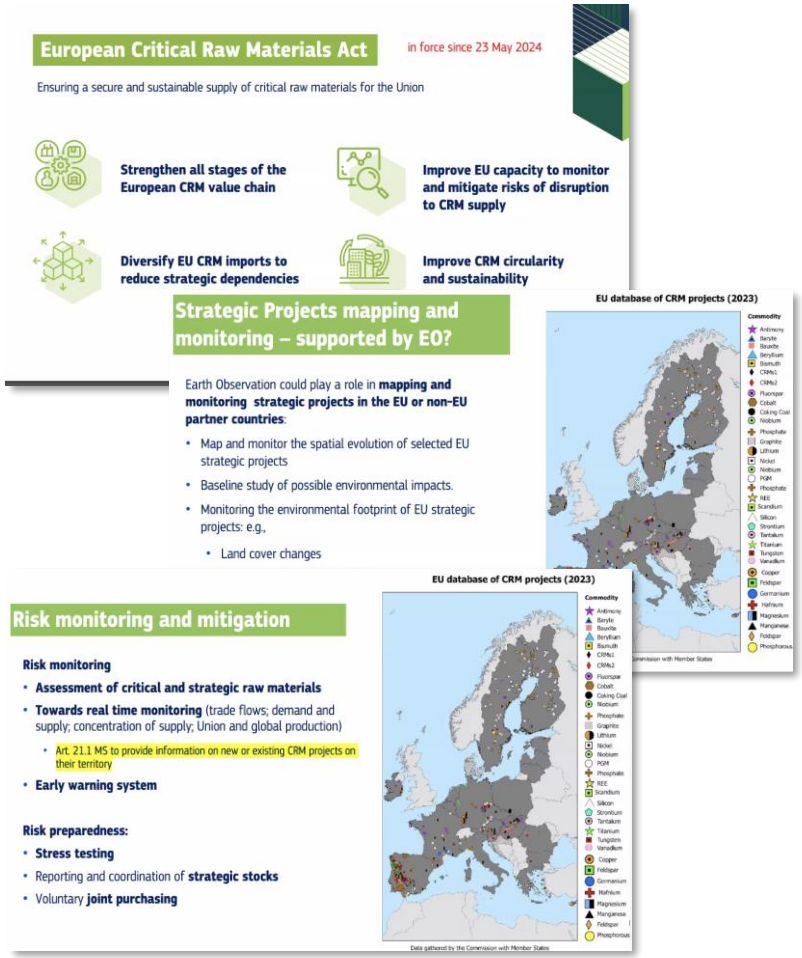


RISCOGNITION

ANALYSIS READY LOCATION INTELLIGENCE

Critical Raw Materials Act:

- Aims at ensuring the secure and sustainable supply of critical raw materials that are essential for the EU's economic resilience, green transition, and technological leadership.
- Reduce the EU's dependency on third countries for critical raw materials highly relevant for sectors such as renewable energy, digital technologies, aerospace, and defence.
- KCEO Use cases: 1) Mapping and monitoring the extent of the mining site & 2) Monitoring the evolution of specific sites for evaluating strategic projects including environmental impacts.



Source: Screenshots from Gerardo Herrera's PPT

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Environment Social Governance Monitoring (RIS-INCOME):

- To develop and commercialize a software tool for the monitoring and management of Environmental, Social and Governance (ESG) criteria in the Mining sector.

- The tool addresses the requirements from the Corporate Sustainability Reporting Directive (CSRD) and related European Sustainability Reporting Standards (ESRS).

- Project duration: Jan 2024 – Dec. 2025 (➡ early development stage)

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Challenges:

- Lots of required information is in narrative format (ESRS). No quantitative /standardised measures necessary ➡ open to challenges.
- How to measure “biodiversity”? Not associated to accepted standards/measures
- Spatial & tenporal resolution (considering Sentinel-2 + CLMS as input data)
- Need for Service Level Agreements – a downstream commercial activity has guarantees to customer
- Build a defendable case for clients

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Opportunities:

- Multi-platform benefits of Sentinels-1,-2 and -3. Guaranteed long-term access. Improved capabilities through future Sentinel missions
- Scalable globally -> ability for European businesses to export services and training.
- Competitive – access to data makes it possible for SMEs to develop competitive services. Data is the new currency.

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Team:

- Lead: Fundacion Gómez Pardo
- AICRUMIT S.L.
- Riscognition GmbH
- Atalaya Mining
- MARMOLESMAM SL
- Sandfire MATSA
- Marble, Stone and Materials Technology Center
- Université de Technologie Tarbes Occitanie Pyrénées -UTTOP and
- Inštitut SeMe, okoljsko ozaveščanje in trajnostni razvoj, Poljčane

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Thanks

https://www.riscognition.com

info@riscognition.com

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