

## Appendix 5: Selected opportunities, challenges, and open questions for the main stakeholders of the CRMA

Stakeholder group	Selected opportunities	Selected challenges	Selected open questions
Mining and processing industry	Increased demand for domestically mined and processed SRMs; increased visibility & political support	Pressure to meet benchmarks and securing investments; pressure to meet compliance requirements; possible knowledge and skill gaps	How will benchmarks be measured and composed (e.g., benchmark for each SRM versus total of all SRMs)?
Manufacturing industry and OEMs	Reduced supply risk due to domestic production and strategic partnerships; transparency requirements might increase reputation and thus demand (also internationally)	Pressure to meet transparency requirements; additional costs for compliance	How quickly and effectively will new information systems, transparency standards, and labelling be implemented?
Recycling industry	Increased and secured demand for domestically recycled SRMs; visibility & political support	Potential difficulties to reach benchmarks due to lacking end-of-life products and processing waste	Will recycling benchmark refer to domestically recycled material only, or recycled materials in general (such as processing waste from China)?
Local communities	Job creation and economic development, including in downstream regional industry	Potential environmental damages and natural habitat destruction due to shortened permitting times; potential relocation of communities	Will there be a successful dialogue, co-creation, and trust between policymakers, industries, and affected communities?
Consumers	Higher transparency; possibility for informed consumer choices regarding material origin and environmental footprint; possible more stable long-term product availability	Possibly increased prices through compliance costs; due to possibly increased trade tensions, unexpected changes in product availability are possible	How will raw material origin and environmental footprint be communicated? Will consumers see it as an added value?
National governments	Job creation and economic development, including downstream regional industry; bolstering of green transition and increased autonomy on EU level	Need to balance economic development objectives with environmental and social considerations and ensure coordination with other EU member states; might disadvantage economically weaker regions; increased workload associated with monitoring and implementation	Will there be EU level financial and personnel support to meet requirements and workload?
Non-EU actors	Market advantages for strategic partners	Changes in trade dynamics and potential tensions; pressure to meet transparency requirements	How strict will the division between strategic partners and non-partner countries be, and might benchmarks extend to strategic partners (like the US Inflation Reduction Act)?
Investors	New investment opportunities in strategic projects; increased R&D activities may help long-term innovation and market growth, also in other sectors	Need to navigate potential market volatility and manage risks associated with regulatory compliance and sustainability considerations; need to adapt decision-making and investment criteria, especially regarding ESG; longer time horizon for Return on Investment due to technical and regulatory complexity	How will sustainability or supply chain resilience be defined and measured? How will compliance be monitored? How will it affect competitiveness and economic growth?

Source: (Hool et al., 2023)