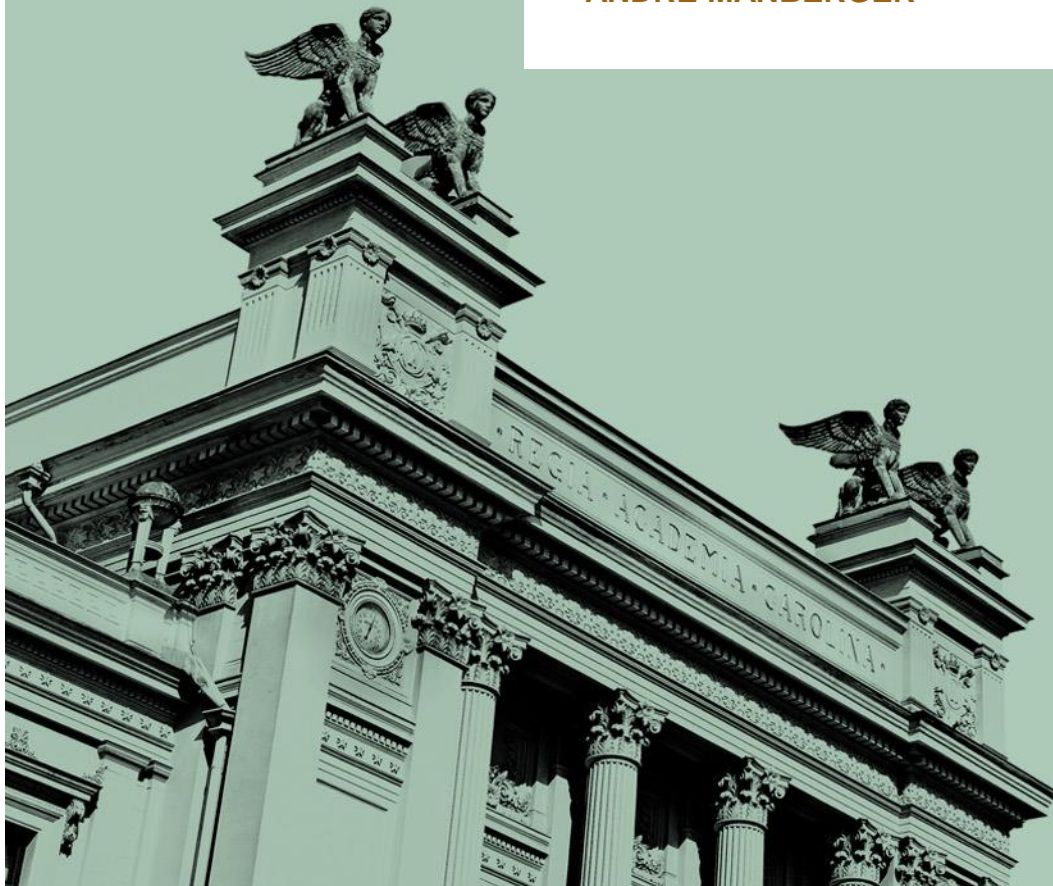




LUNDS  
UNIVERSITET

# Mistra Mineral Governance: An introduction to the programme

ANDRÉ MÅNBERGER





MISTRA

# MINERAL GOVERNANCE

Governing critical raw material supply chains for a sustainable transition: assessing conflicts, co-creating solutions



# Four year research programme, started in 2024

---

- Check our website for updates:  
<https://www.mistramineralgovernance.se/>
- Mistra Mineral Governance envisions a world where access to critical raw materials is sufficient for the low carbon energy transition while also protecting human rights and promoting social justice. Through interdisciplinary research and collaborative innovation, the program aims to help society recognise and balance the complex trade-offs and synergies between access to critical raw materials and democratic governance.



# Climate mitigation can increase demand for non-fuel minerals. But how much?

- Demand increase is uncertain due to:
  - Substitutes
  - Efficiency
  - Recycling
  - Behavioural change
  - Etc.
- Proactive vs. reactive responses
- Technological development is *very* fast!

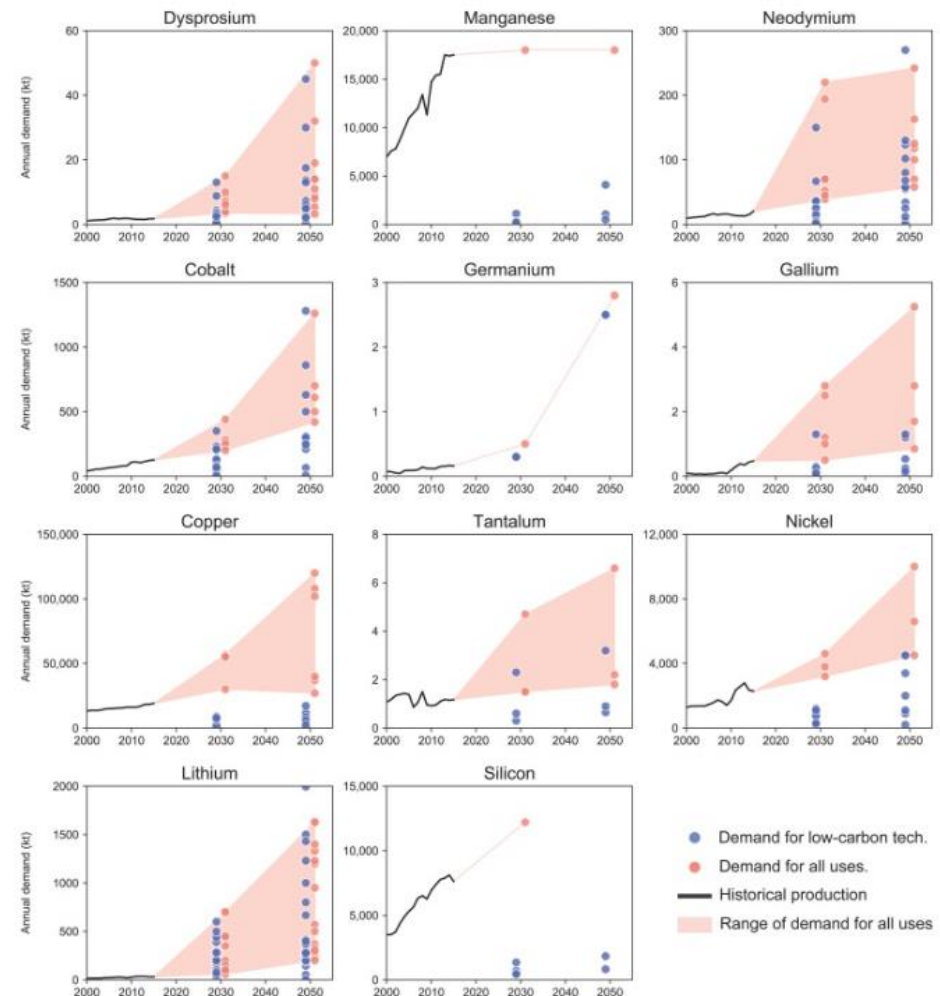


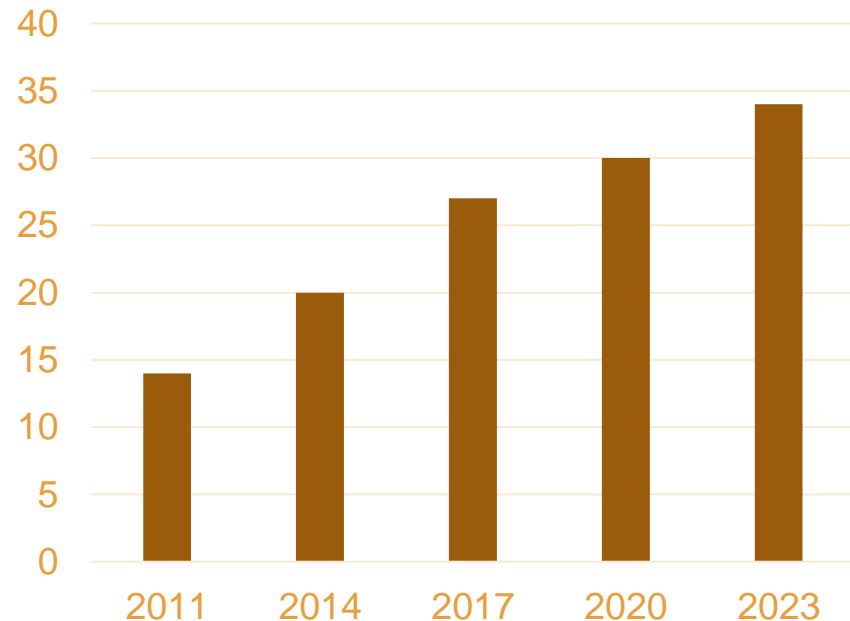
Figure from Watari et al., 2020

# What is a critical raw material?

---

- *Likelihood of disruption & vulnerability*
- But:
- Critical for whom?
- What values?
- What is acceptable?
- What time perspective?

Number of Critical Raw Materials identified by the EU



# Availability $\neq$ Accessibility

---

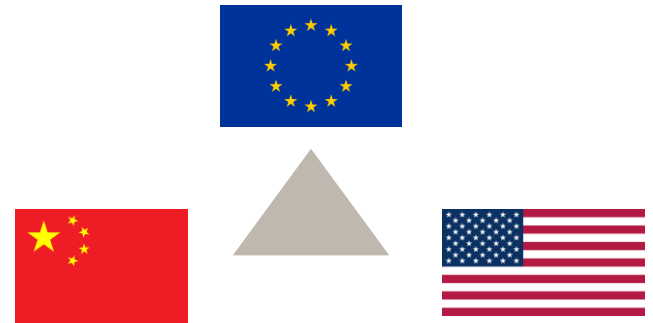
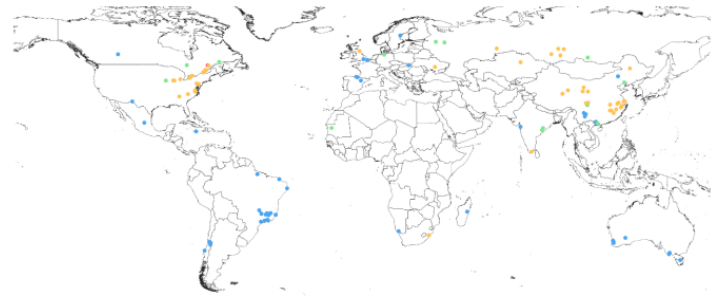
- Availability
  - Resources “below ground”
  - Long term perspective
  - Techno-economic focus
- Accessibility
  - Bottlenecks “above ground”
  - Short-medium term perspective
  - Institutional conditions



# Accessibility

---

- CRM's exposure on, and to, ESG-cluster
- Geopolitics: market structure, trade-blocks, & weaponising supply
- Cross scale governance





**LUNDS**  
**UNIVERSITET**