The Environmental Agency for Mineral Resources (EAMRA)
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Towards sustainable mining and a greener Greenland

Digging up the past to pave the future

Steen Christensen, Head of Agency

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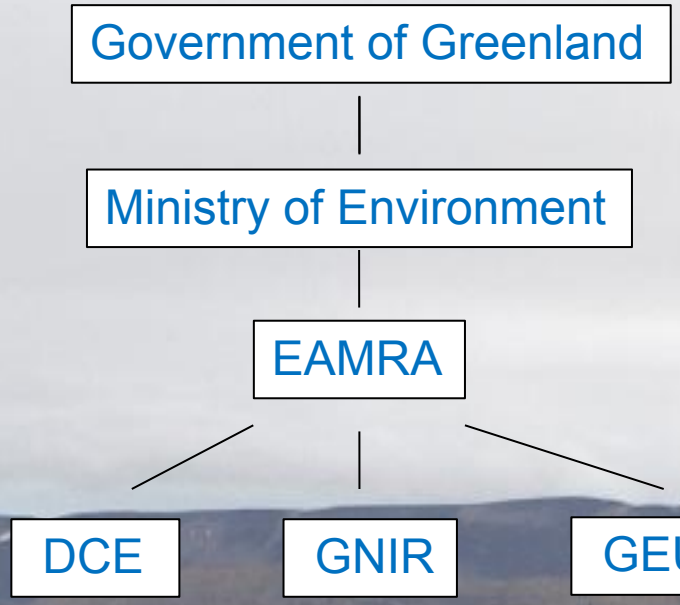
The Environmental Agency for Mineral Resource Activities (EAMRA)

- **EAMRA** is the administrative authority on all aspects concerning environment, nature, and climate in connection to mineral resource activities in Greenland.

- **EAMRA** is advised by scientific, independent advisors from:

  - ✔ **DCE** – Danish Centre for Environment and Energy.
  - ✔ **GINR** – Greenland Institute of Natural Resources.
  - ✔ **GEUS** – Geological Survey of Denmark and Greenland



Mining history in Greenland

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General challenges in the Arctic

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- Remoteness and accessibility
- Limited knowledge prior to mining.
- Short time-window for activities

Physical challenges in the Arctic

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- Harsh climate.
- Seasonal fluctuations.
- Limited infrastructure.

Challenges in the Arctic – land use and biology

- Low species diversity.
- Hot spots.
- Short food chains with key species.
- Many unknowns.
- Living resources dependency.
- Disturbance sensitivity - human activties.
- Multiple land use interests.
- Cumulative effects.
- Climate change.

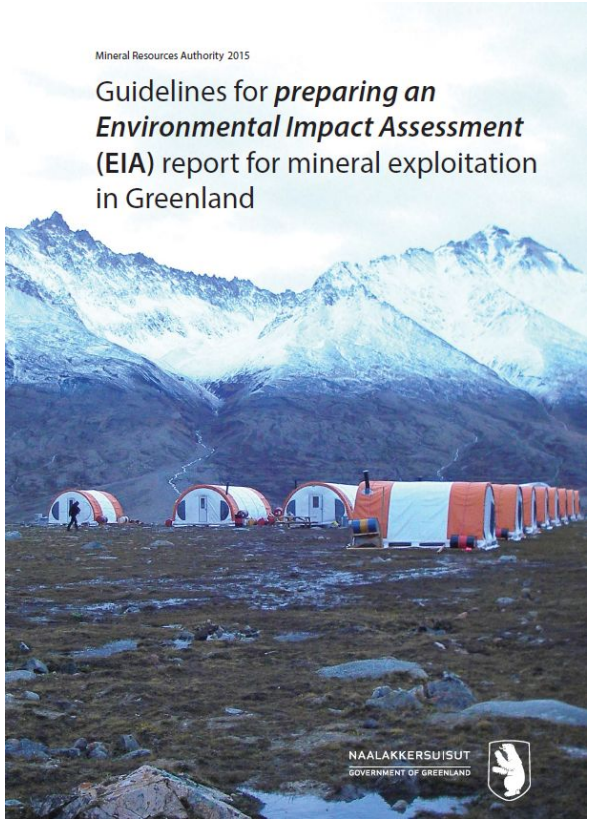
Environmental Impact Assessment (EIA) in Greenland

Activities and processes

- Impacts, mitigation and alternatives

All mining phases:

- Baseline
- Pre-mining
- Operational phase
- Closure
- Post-closure



Environmental Impact Assessment challenges

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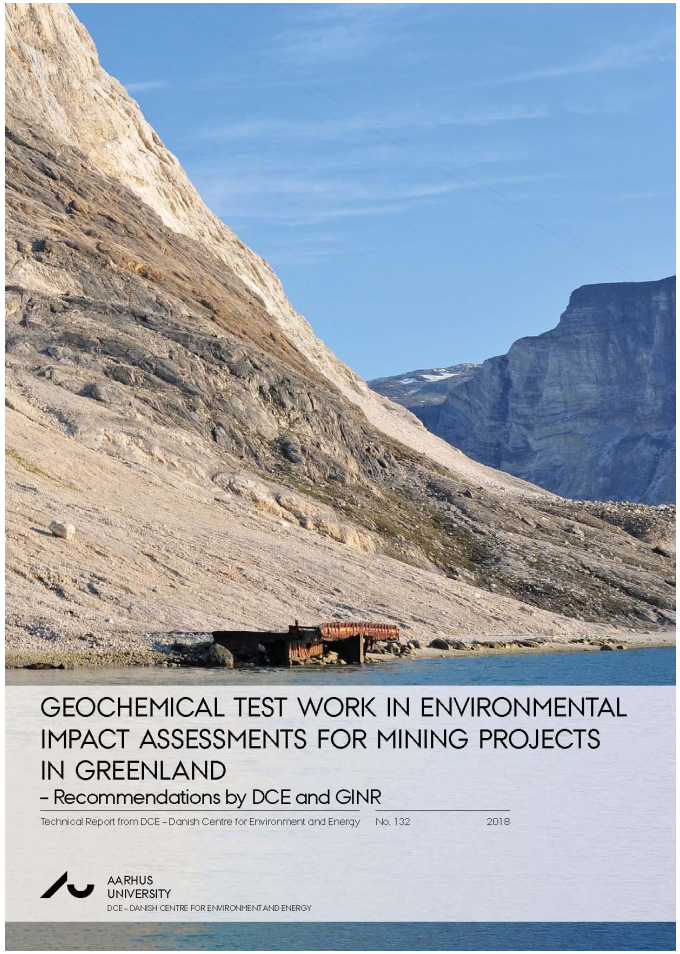
- Pre-mining baseline conditions.
- Technical documentation.
- Alternative analyses.
- Closure and post-closure phase.
- Predicted effects.
- Quantification of environmental effects.



Future perspectives

Increased focus on:

- Cumulative effects.
- Climate change temporal variations.
- Dialogue and community engagement
- Implementation of greener solutions.
- BAT + BEP.