



MinLand

Mineral Resources in Sustainable Land-Use Planning

Coordinated by Geological Survey of Sweden – Ronald Arvidsson

Linking Mineral Policies with Land Use Policies

Securing access to land for Prospecting and Mining within EU

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www.minland.eu

Photo: R Arvidsson, Kristineberg Mine, Sweden



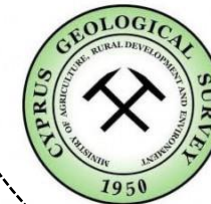


MinLand Team Partners and Third Parties

Coordinator



Third Parties

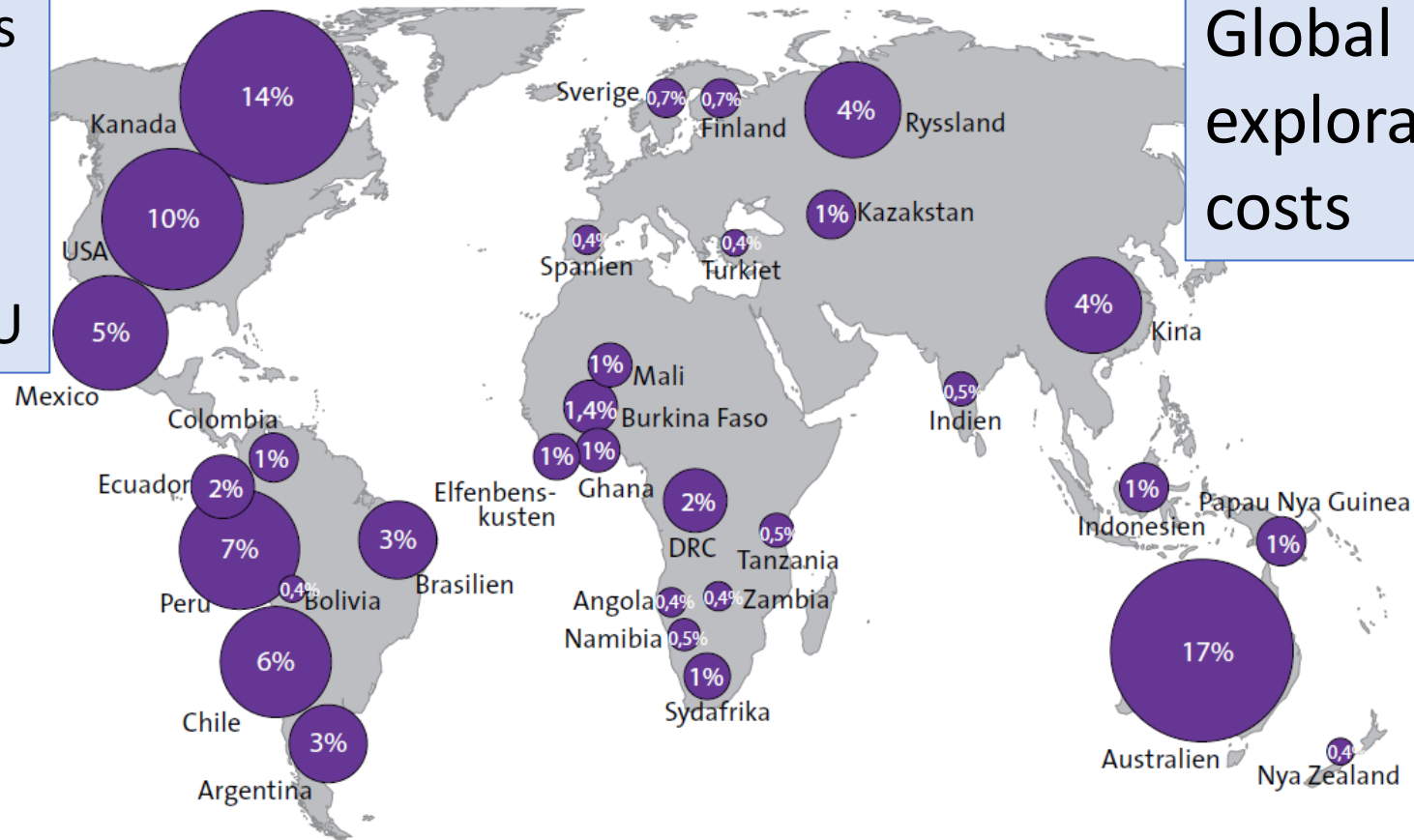


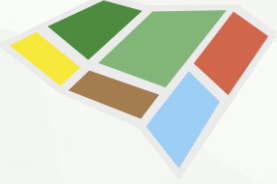
This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 776679

Why need for land-use management connected to mining?

Consumption of metals
less than
Extracted within the EU

Global
exploration
costs





Some facts

Budget 1.5 MEU

SGU Budget 2.5 MSEK

30 partners – 20 member states
and Ukraine

60-80 people involved

9 workpackages

35 deliverables





Objectives of MinLand

1. Knowledge repository

1. Case studies: 16 mining- and policy cases and consultations with informed stakeholder group

1. Base information for outlining EU MS mineral- and land-use policy frameworks

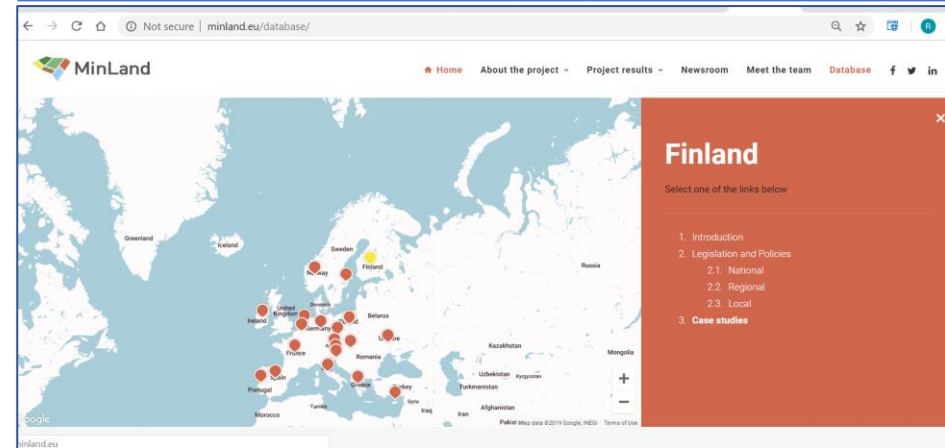
2. Mineral policies and legislation

2. Facilitate minerals and land use policy making

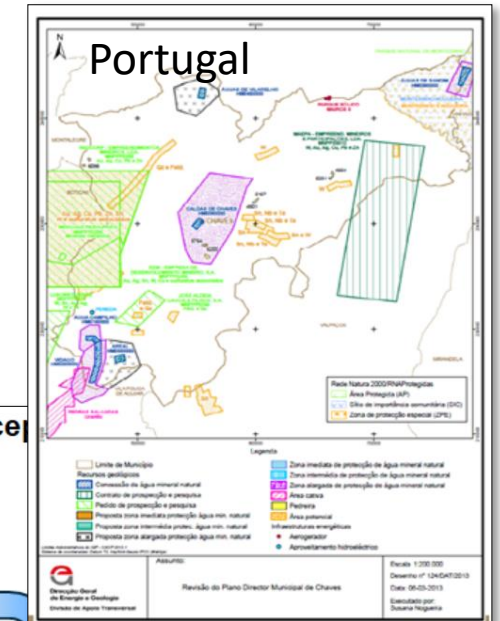
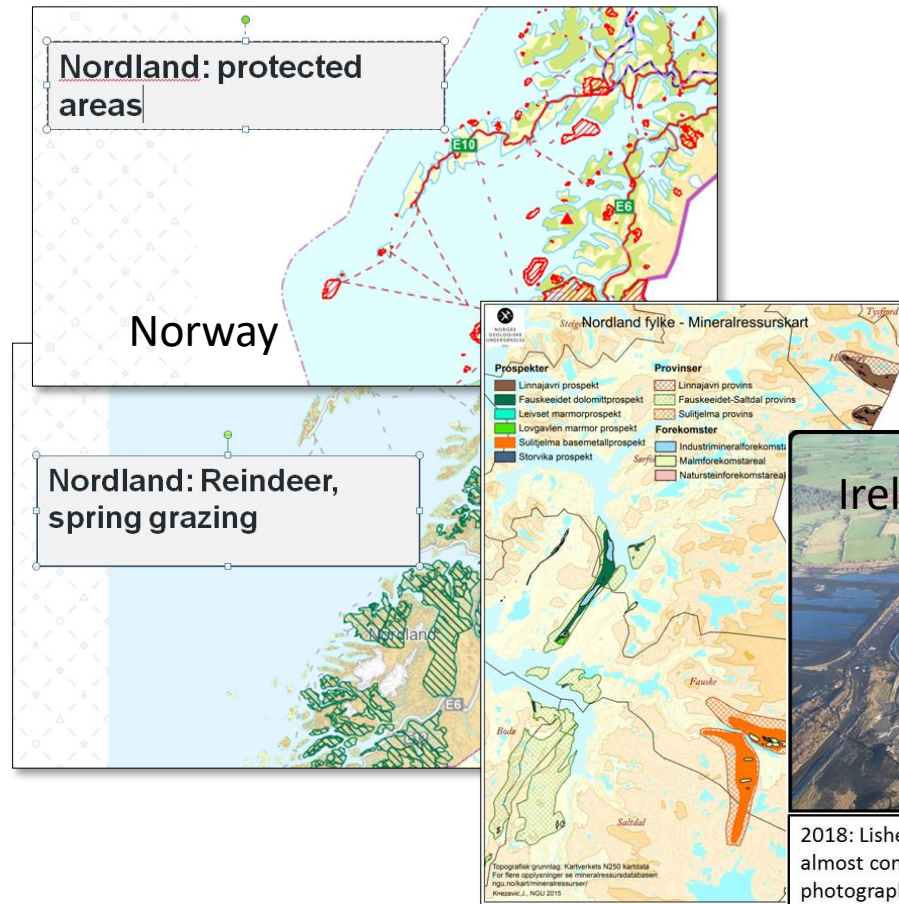
3. Strengthen transparent land-use practices

4. Foster networking

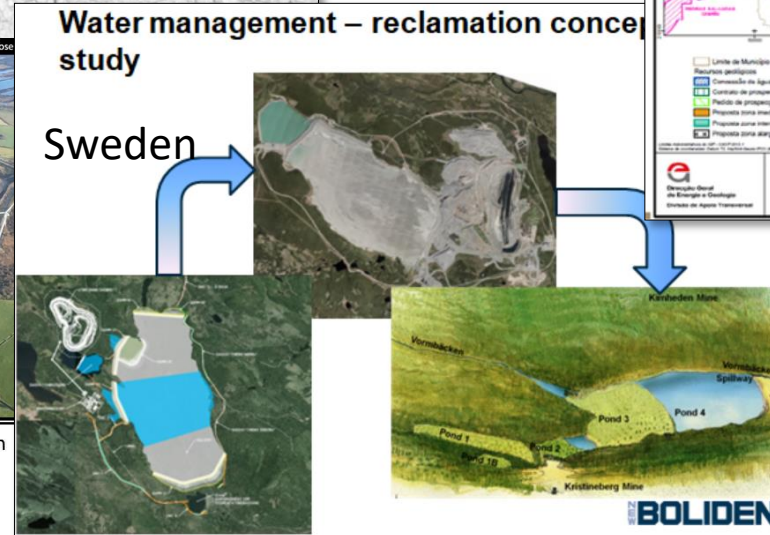
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16 Mining Cases



2018: Lisheen Tailings Management Facility - remediation almost complete. The cover material in the 2015 photograph have been used and the area re-vegetated. Note also removal of infrastructure (bottom centre). Photo credit: Vedanta zinc international





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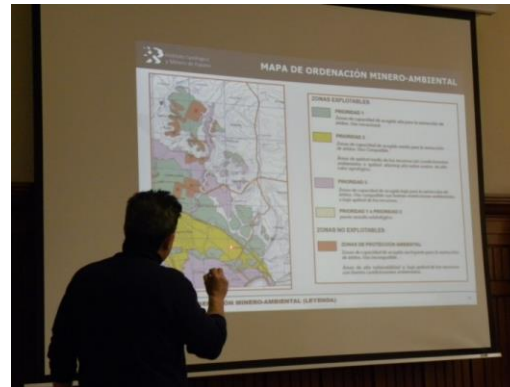
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4. Foster networking

1. MinLand Stakeholder Network => EuroGeosurveys
2. Local Workshops - 8 in total
3. Stakeholder Workshops
4. MinLand Final Conference - Brussels



Workshops, network and consultations

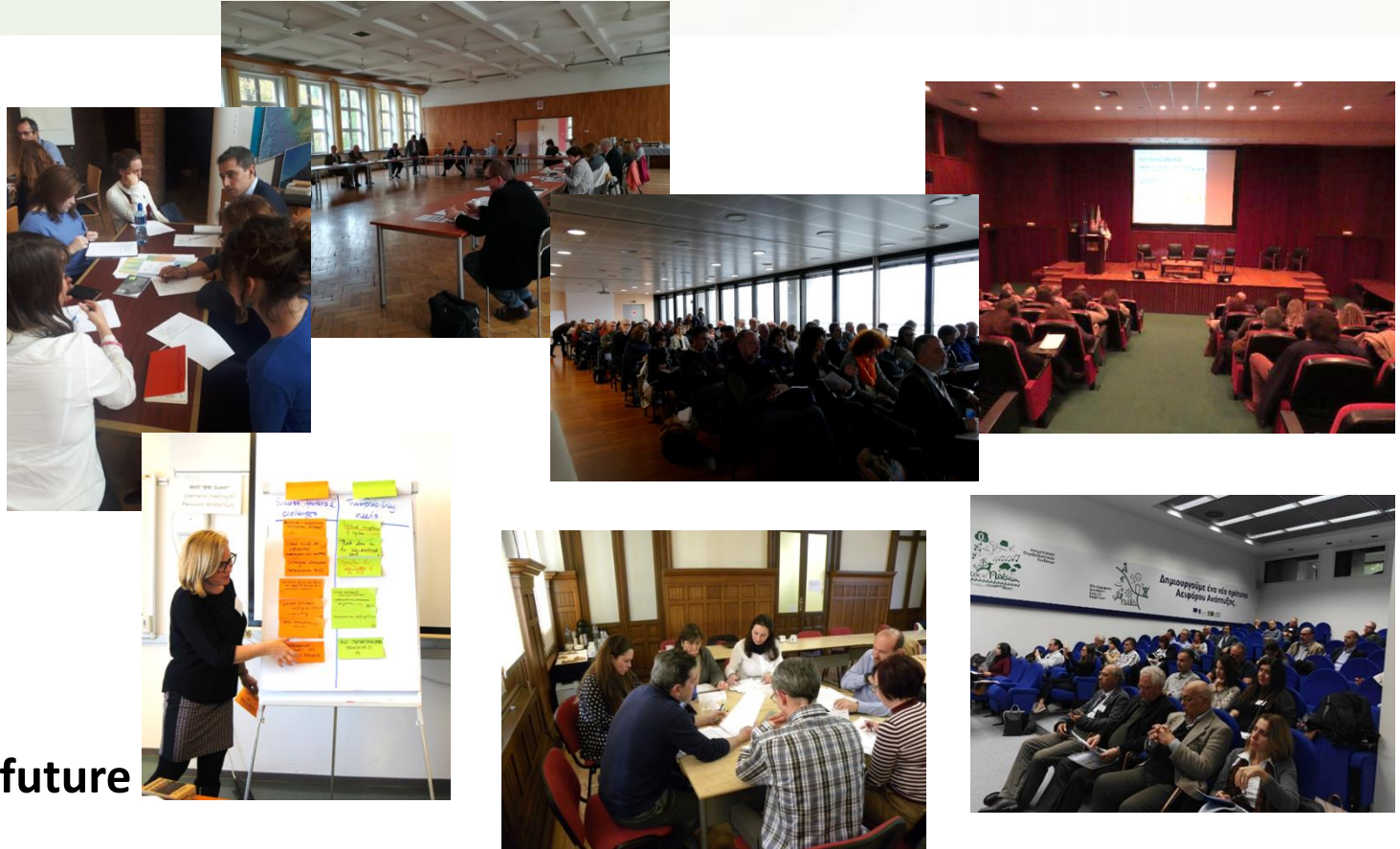
Local workshops

- Ireland (pilot workshop): 26/9/2018
- Poland: 8/10/2018
- Greece: 9/11/2018
- Scandinavian workshop: 19-20/11/2018
- Italy:
- Spain: 10/1/2019
- Austria: 17/1/2019
- Portugal: 23/1/2019

EU Workshops – two Brussel

Final Conference

Consultations – challenges, solutions, future





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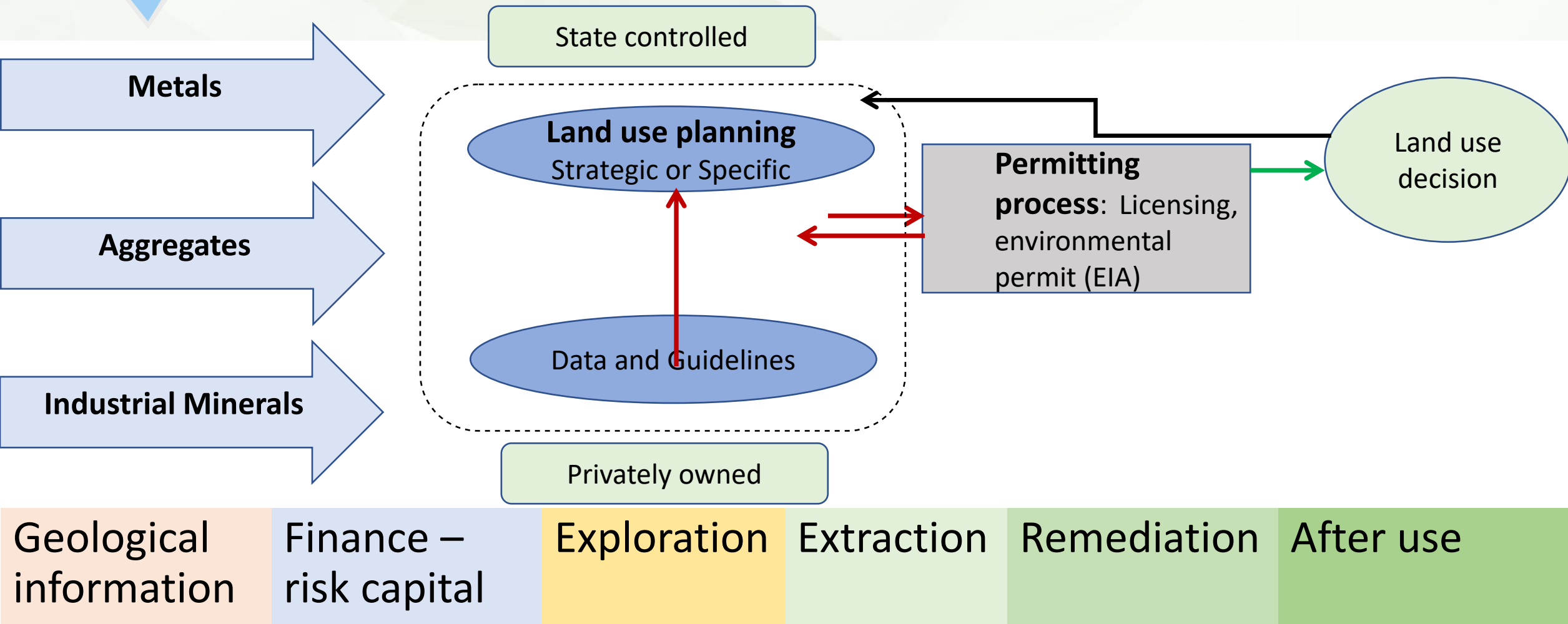
1. Access to high-quality data for minerals- and land-use planning
2. Safeguarding:
 1. Land use planning processes and instruments which allowed **weighing of interest and changes to land-use and zoning plans;**
3. Minerals assessed on par with other land uses
 1. Design and implementation of **methods that equally assess minerals** and other land uses for a final designation of land use of a given area.
4. Permitting
 1. Exploration as land-use can be done in parallel with other land-uses
5. Environmental Impact Assessment (EIA)
 1. is a tool that connects permitting, environmental performance and the land use process.



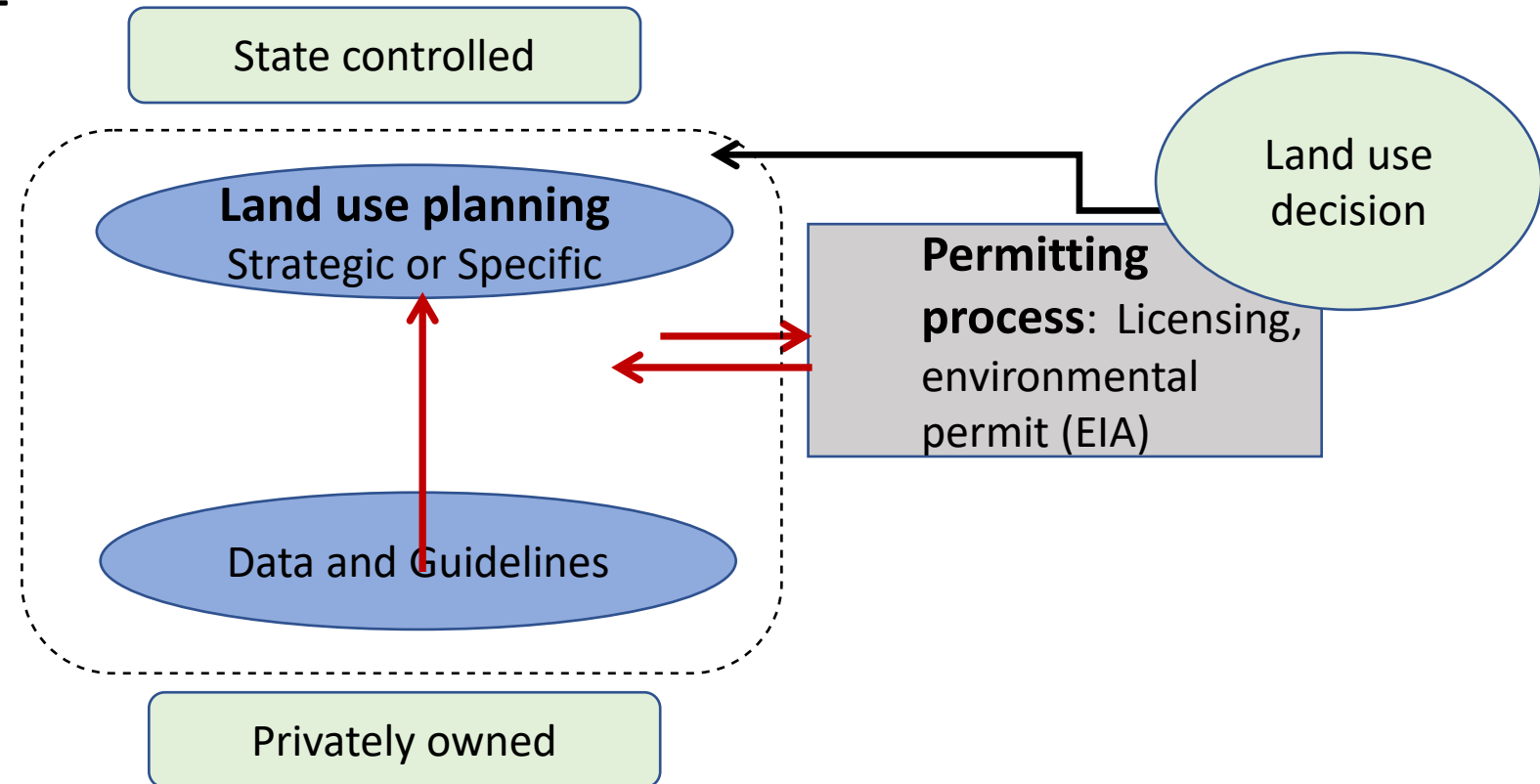
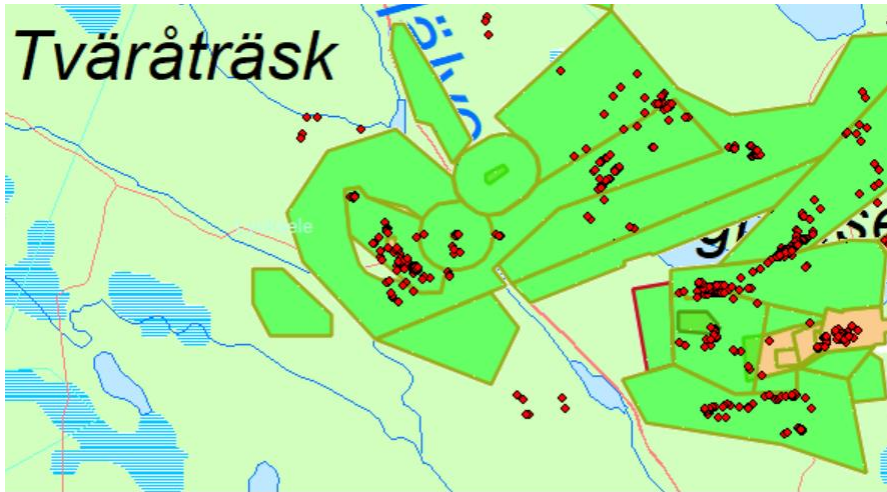


Land use planning and mineral resources D2.1

Deliverable D2.1



- Areas of National Interests – Sweden - Norway





Cases provide ready to use insights and solutions to:

- Land use management
 - Need of high-quality geological data
 - Defining deposits for mineral land use
 - Instruments for mineral land use
 - Allow for equal assessment for minerals with other land uses
- Competing land uses challenges and solutions such as:
 - Sensitive nature
 - Underground mining and other surface land use
 - Densely populated areas
 - Co-existence of exploration and other land uses
 - Densely populated areas
 - Design of mining areas to meet other land-use needs
 - Compensation for measures for impact upon other land uses

Stakeholder interactions

- Transparency and stakeholder interactions – early involvement and well thought out strategies – needs from EIA and acceptance for mining SLO
- Legally required consultations with stakeholders
- Voluntary actions by the companies
- Elaborated and tailored company procedures for meeting local stakeholders needs

Insight into the policy arena within the EU





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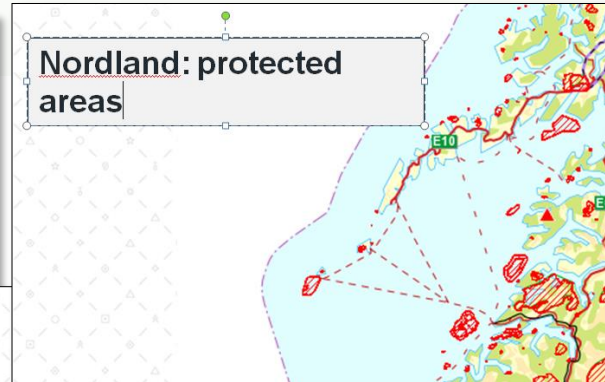
4. Foster networking

D6.2 Guidelines- ch 5: What can be done by public authorities and industry alike to **increase transparency in land-use planning and mining?**

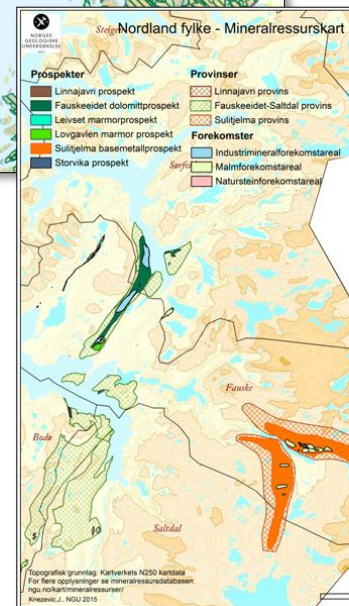
- Provide a **clear planning process description**, based on the national planning system, and share this with all interested parties;
- Share **information regarding companies' spatial and environmental plans** with stakeholders;
- Include **stakeholders' input in planning** before submitting proposals to the authorities.

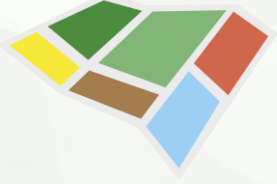
D6.2 Ch 6: Challenges of societal acceptance and conflicting interests of stakeholders. **Early stakeholder involvement,**

- **Statutory public consultation** and public sector initiatives
- Allowing **co-existence of mining and other land uses**, through e.g. compensation measures.



Nordland: Reindeer, spring grazing





Thank you



We must find ways to coexist

