



Mining Finland

- productivity through technology



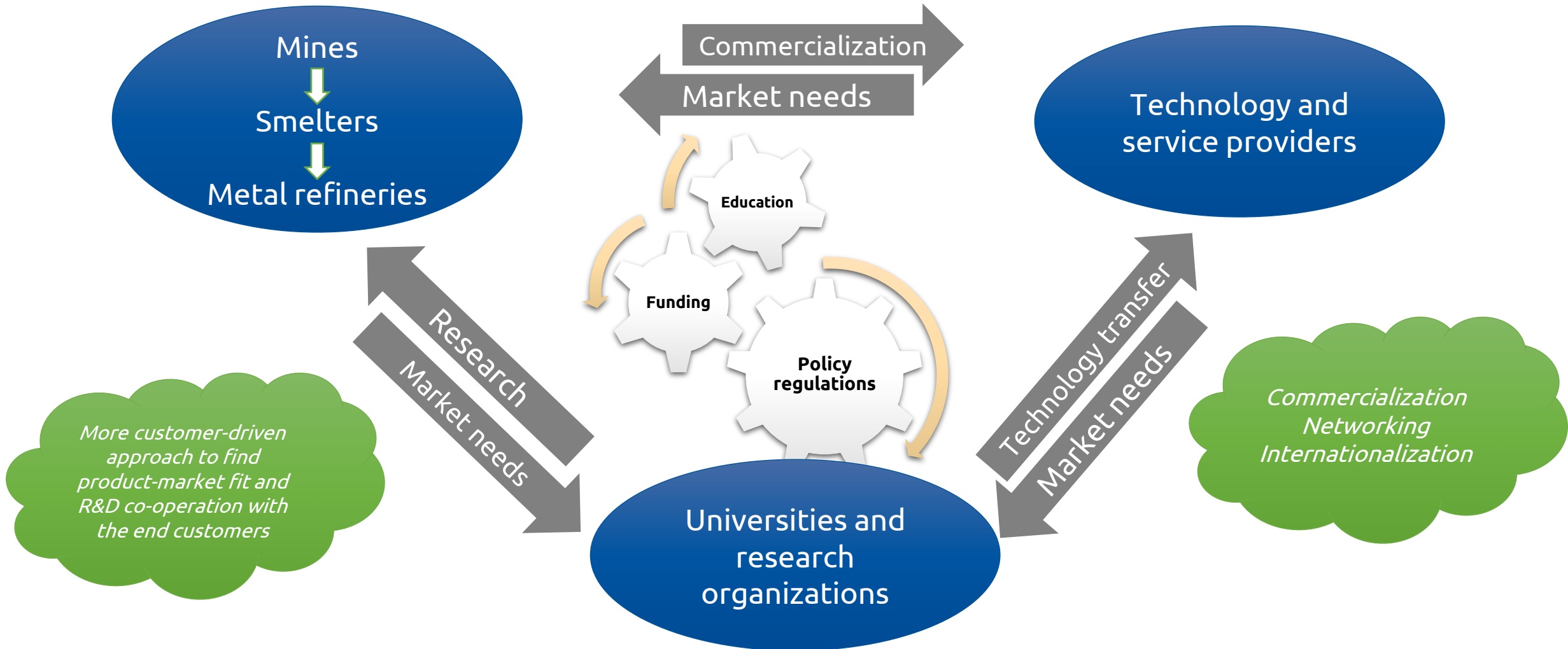
Who we are?

- Mining Finland is a non-profit and membership fee funded association
- Established first as part of Green Mining programme in 2015, registered association in 2019
- Promotes export of Finnish mining technology and services
- Promotes foreign investments to the Finnish mining cluster
- Facilitates R&D and education collaboration among mining sector actors working in Finland or in cooperation with Finnish companies abroad





Finland has a strong mining ecosystem





Why Finland

#1 Finland, Europe's most **digitally advanced** nation
(European Commission 2019)

#3 in Europe in **Battery Supply Chain Ranking**
(BloombergNEF)

#1 Most attractive country in the EU for **global mining investments**, #13 in the whole world *(Fraser institute's Annual Survey of Mining Companies 2021)*

#20 among 190 economies in the **ease of doing business** *(Trading Economics 2019)*



Mining Industry Statistics of Finland 2020

Mining
Finland



A total amount of mining
115,4 million t.



A total
amount of
45
mines



Revenue
approx. **2 billion €**



48,5 million t.



66,9 million t.



ore



waste-rock



Personnel
in 2019
5 539



2 848



2 691



own personnel



subcontractors

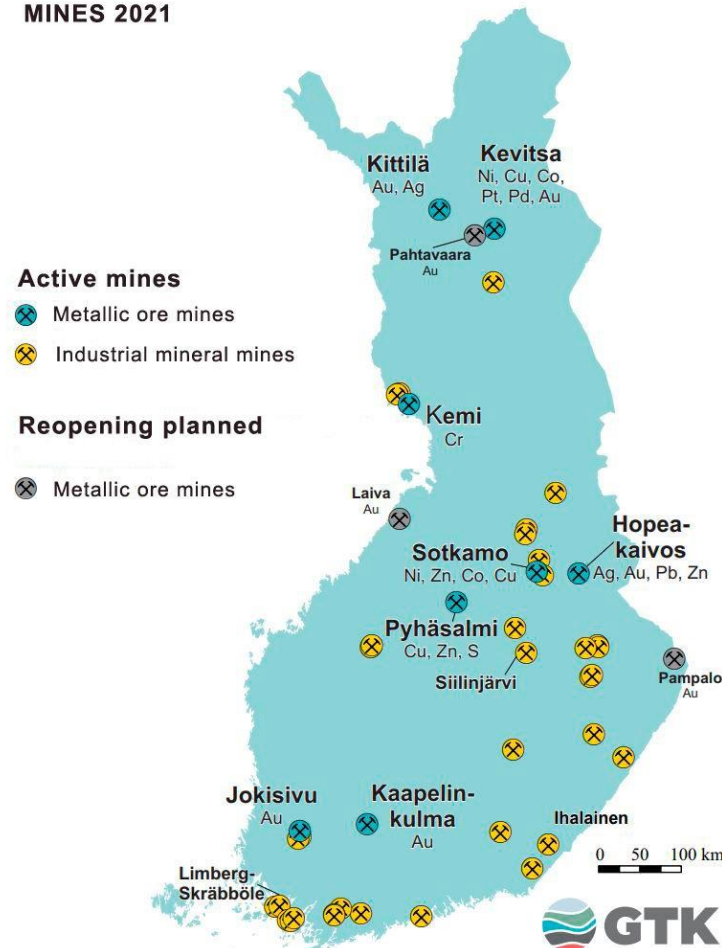




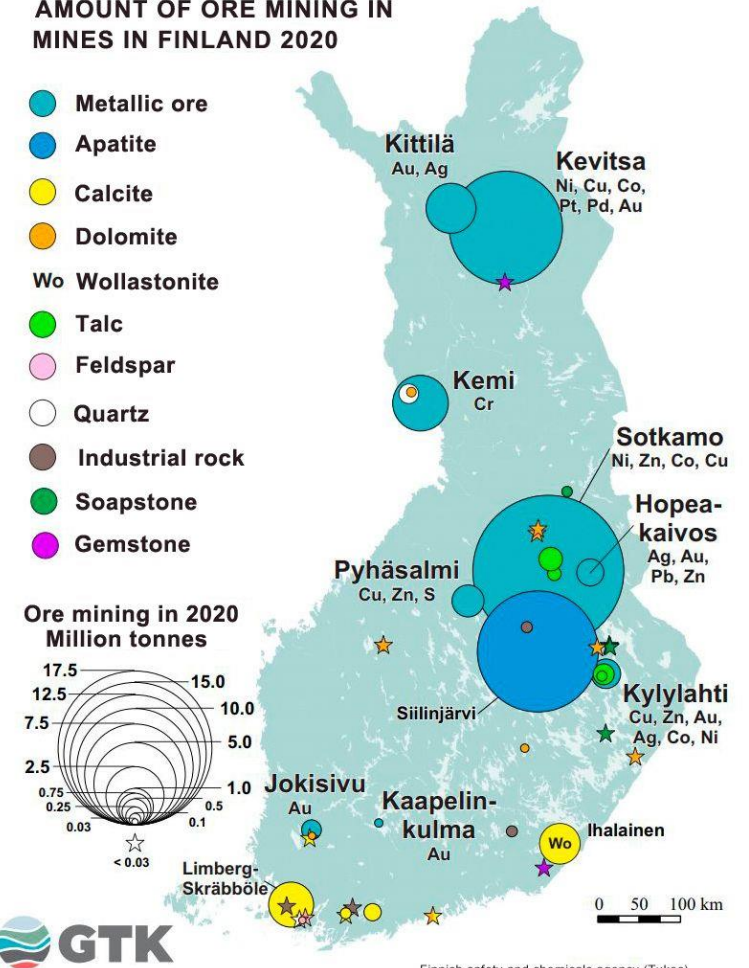
Mines and exploration projects

- In 2021 there were 10 metallic and 34 industrial mineral mines in Finland
- Same year 50 mineral exploration companies drilled altogether 280 kilometres (growth 28 % from previous year) (Tukes)

MINES 2021



AMOUNT OF ORE MINING IN MINES IN FINLAND 2020



+ Battery minerals

- Strong development in the battery value chain
 - Raw materials (lithium, cobalt, nickel)
 - Production of chemicals
 - Processed materials, such as precursors, cathode active materials, cathodes
 - Battery cells and packs
- Recycling and reuse of batteries



»Renault Group to partner with Terrafame for sustainable nickel supply 8.10.2021 10:00

- Terrafame will supply Renault Group with low-carbon and fully traceable nickel sulphate for electric vehicle (EV) batteries.
- The partnership supports Renault Group's strategy to offer competitive, sustainable, and 'made in Europe' electric vehicles.
- The partners are taking a concrete step to create a sustainable and fully transparent European battery value chain.

www.terrafame.com/news



Environmental, Social and Governance policies

- Good environmental, social and governance policies are essential for exploration and mining companies
- Maintaining the social licence to operate (SLO)
 - The SLO cannot be applied from any authority, but it is gained from the local community companies operate in
- Standard of Sustainable Exploration and the Finnish Mining Standard, agreed by the Finnish Network for Sustainable Mining (www.kaivosvastuu.fi)





Mining technology and service providers

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Contact us

Mia.Mikkonen@miningfinland.com

www.miningfinland.com

Twitter: @MiningFinland

LinkedIn: Mining Finland



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