



tukes

Terho Liikamaa, Head of Unit

27.3.2020

Review of mining authority on exploration and mining industry in Finland in 19.5.2020

Turvallisuus- ja kemikaalivirasto (Tukes)

Tukes and GTK briefing: Overview of exploration and mining activities and licensing in Finland

Chairs: 12:00-14:00 Terho Liikamaa, Tukes and 14:00-16:00 Pekka Tuomela, GTK

12:00-12:50 TUKES

- *Opening the event, annual review by Tukes, current affairs related to mining and mineral exploration, Terho Liikamaa Tukes*
- *Mineral exploration - Companies feedback on the situation at the moment /Tukes' experiences of the strengths and weaknesses of the permitting process, Ilkka Keskitalo Tukes*

13:00- 13:50 Mining Law reform and *Local peoples perceptions about mineral exploration*

- *Mining Law reform, Riikka Aaltonen TEM*
- *Local peoples perceptions about mineral exploration, Tentative results from Next-project interviews and survey in Ylitornio and Rovaniemi, Leena Suopajärvi University of Lapland*

14:00-14:50 Geological Data

- *The importance of accumulating Geological Data for Finland, Jukka Jokela AA Sakatti Mining*
- *GTK Geodata and network service, Taina Eloranta GTK and Jouni Vuollo GTK*

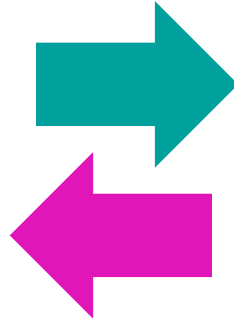
15:00-15:40 Surveys: Mineral Cluster in Finland and

- *Presentation of Mineral Cluster Survey, Joonas Hokkanen ja Heikki Savikko, Ramboll Finland Oy*
- *VN TEAS review, Geodata and their acquisition price, Pekka Tuomela GTK*

15:40-16:00 Discussion

Kokousohje / Working in a meeting

- Puheenvuoropyynnöt (pvp) keskustelukentässä (chat)
- Chatissa voi
 - ESITTÄÄ KYSYMYKSIÄ
 - KOMMENTOIDA
 - KESKUSTELLA
 - suomeksi ja englanniksi
- Pidäthän oman mikkisi mykistettynä ja kamerasi kiinni, kun et puhu.
- Voit myös kirjoittaa kysymyksesi suoraan chattiin.



- Speech requests (SR/PVP) in the chat field
- In the chat you can
 - ASK QUESTIONS
 - COMMENT
 - DEBATE in Finnish and English
- Keep the microphone muted and the camera closed when you are not talking.
- You can also write questions by selecting a chat

Mining Authority and Covid-19

EXPLORATION SUPERVISION

- Permit holders have not cancelled permits or applications.
- Landowners have not complained about exploration fees.
- A few companies have problems because geologists cannot travel to Finland; this causes problems in delimiting the target area for mineral exploration during the 2 years reservation period.
- A few companies have suspended exploration activities - this may also be due to the spring and snow conditions.

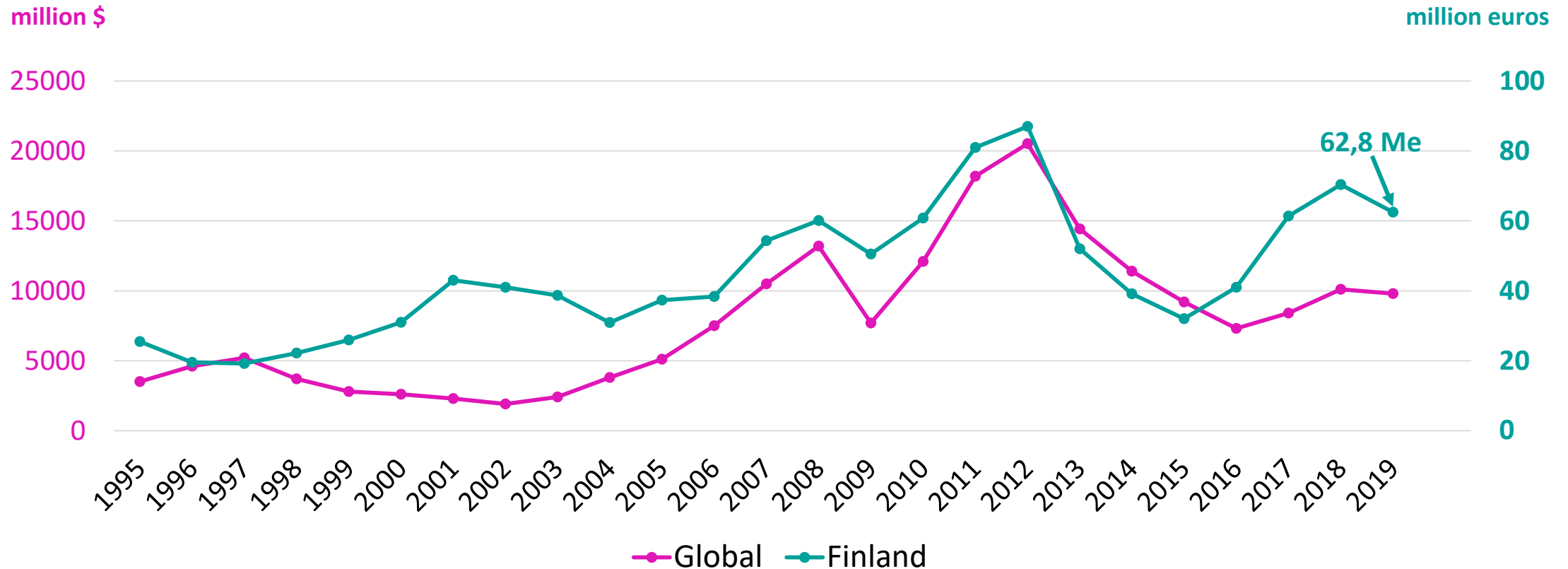
MINING SUPERVISION

- Permits are processed almost normally.
- On-site inspections related to mining safety have mainly been postponed to the post-COVID-19 period.
- However, individual mining safety inspections are performed.

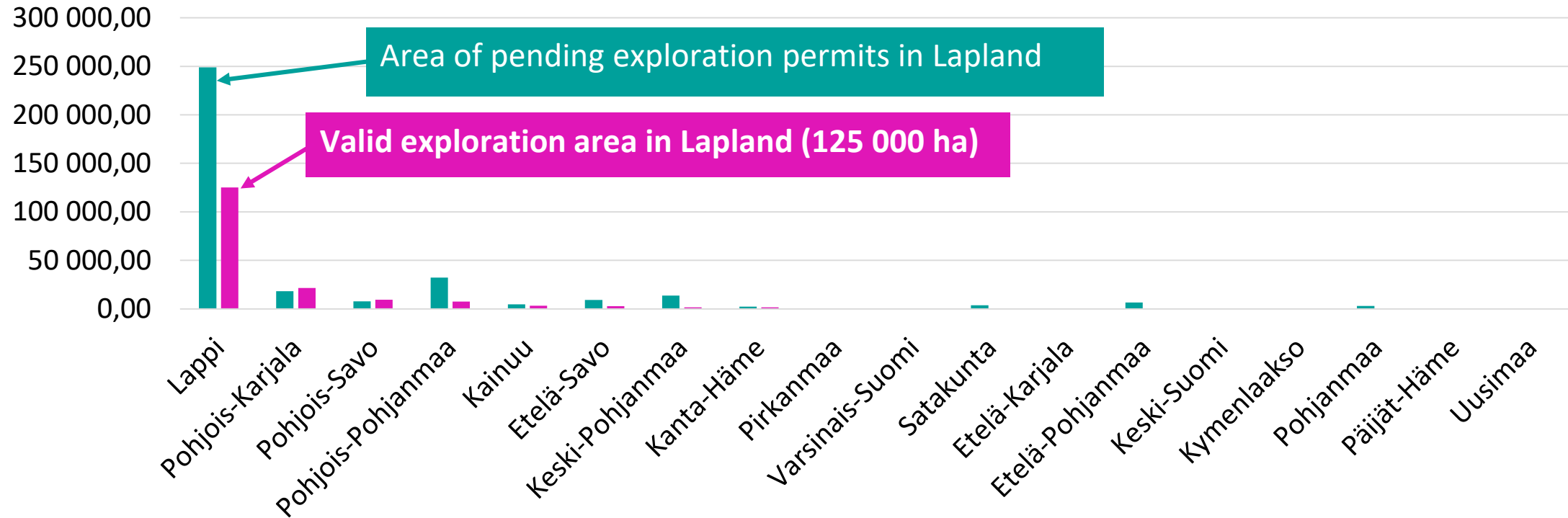
MINING UNIT, TUKES

- We have taken "a digital jump"
- We work decentralized in Rovaniemi, Helsinki, Tampere, Oulu, etc.
 - We talk to customers in video conferencing globally (Teams, Skype for Business, Webex, etc.)
 - We resolve decisions with electronic signatures.
 - We are very motivated and efficient!

Investments in ore prospecting 1995–2019



Mineral exploration activity in Finland by province



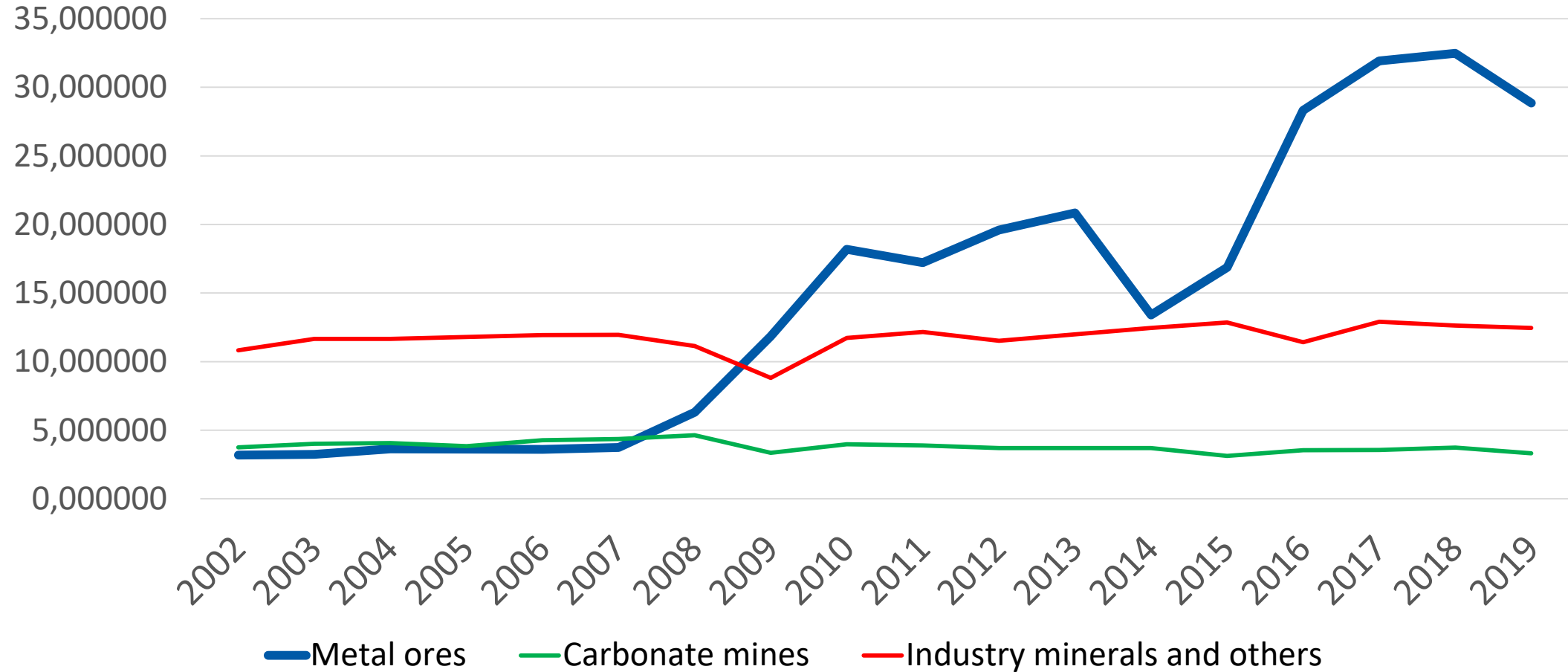
Mining activity 2010–2019 in Finland

Mining companies (Outokumpu/Kemi, AgnicoEagle/Kittilä, Boliden/Kevitsa) invested EUR 458 million in Lapland in 2019

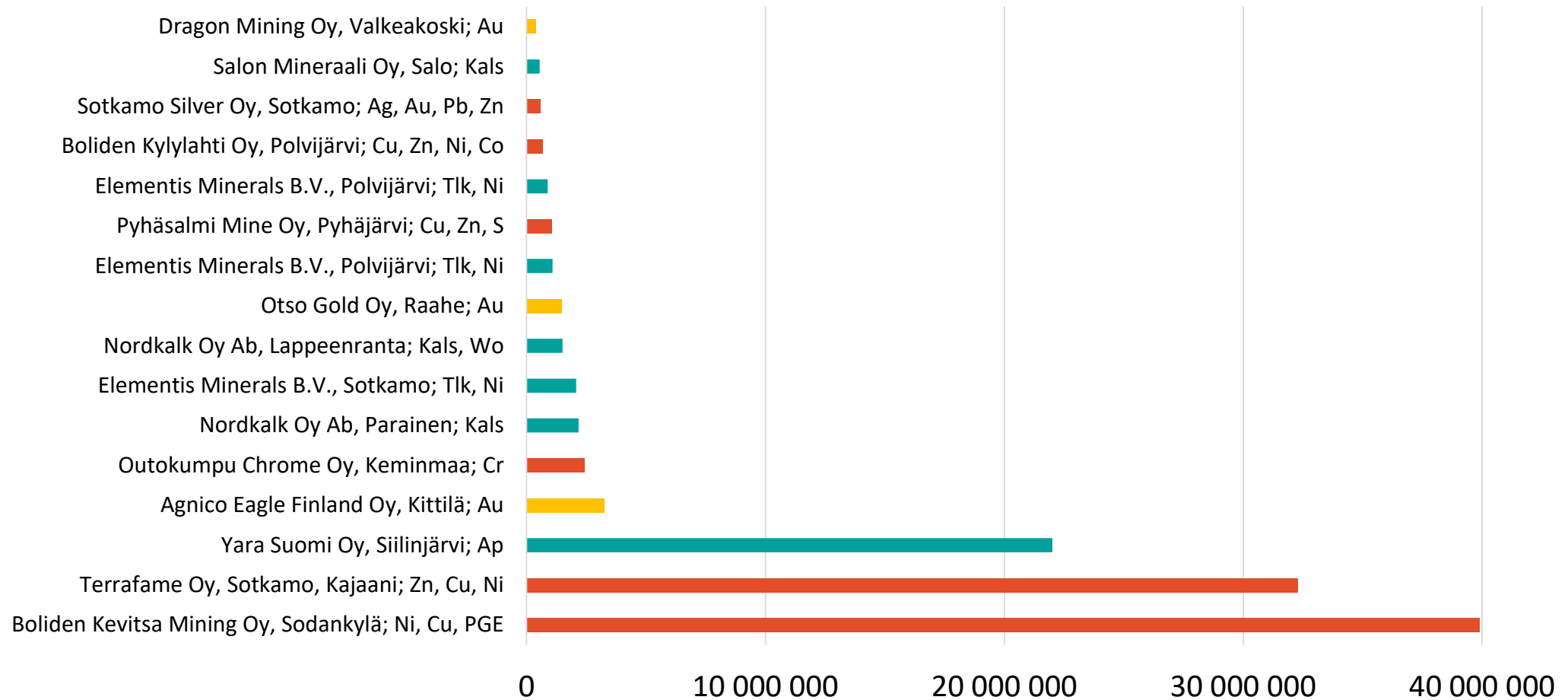
	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
Number of mines (REPORTED EXCAVATION)	44	46	44	42	45	40	46	50	52	51
Mine investments (million €)	525	390	303	242	157	190	200	320	555	297
Excavation of ore (million tons)	44,6	49,0	48,4	43,7	32,9	29,5	36,5	34,8	33,2	33,9
Total excavation (million tons)	115,1	130,1	120,4	117,2	89,2	74,8	79,4	68,4	72,0	71,5

Excavation (tons) for ore in 2001–2018

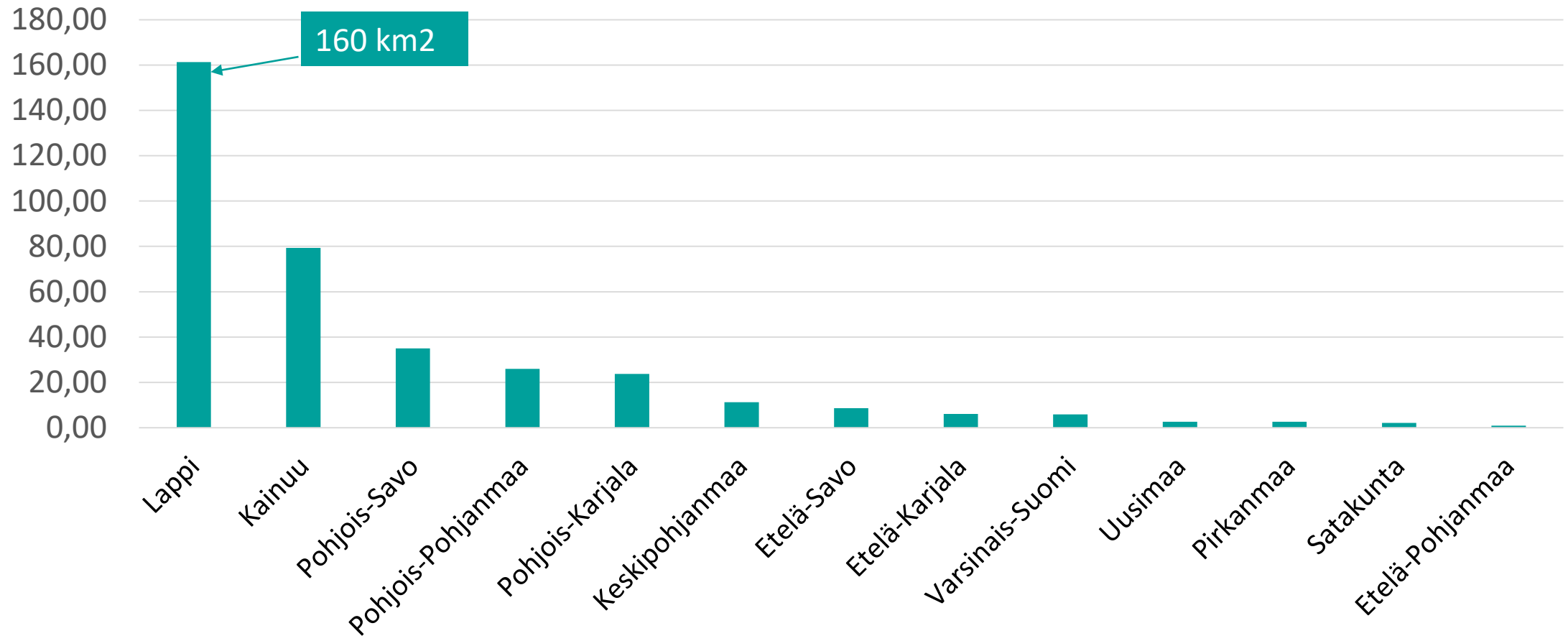
Million tons



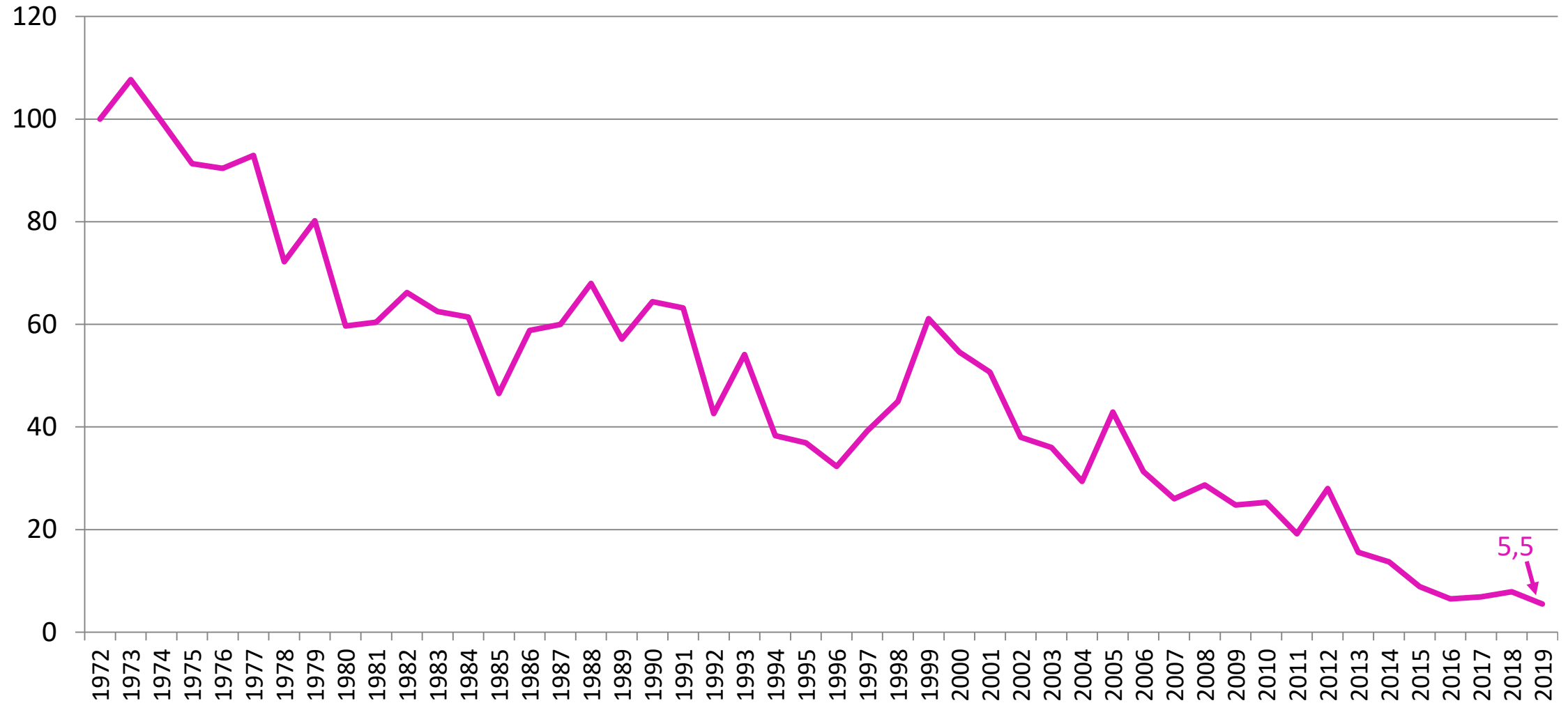
Total excavation (tons) of 16 biggest mines in Finland 2019



Area of mining districts (km²) by province 2019



Accident frequency mining accidents that resulted in more than one day away from work 1972 - 2019 (number of accidents per million working hours)



More information about mining and exploration in Finland

Contact to mining authority

Finnish Safety and Chemicals Agency (Tukes)

Address: Valtakatu 2, 96100 ROVANIEMI

- kaivosasiat@tukes.fi / miningauthority@tukes.fi

Homepage of the mining authority

- <https://tukes.fi/en/industry/mining-ore-prospecting-and-gold-panning>

Map service of the mining register in Finland (in Finnish)

- <http://gtkdata.gtk.fi/kaivosrekisteri/>

Mineral Deposits, Exploration and Mining Registry (in English)

- <http://gtkdata.gtk.fi/mdae/index.html>

