



tukes

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# Review of mining authority on exploration and mining industry in Finland in 2021

Turvallisuus- ja kemikaalivirasto (Tukes)

# Summary, Statistical Review of Mining in Finland in 2021

## EXPLORATION

2021 saw 50 companies submit exploration reports to Tukes.

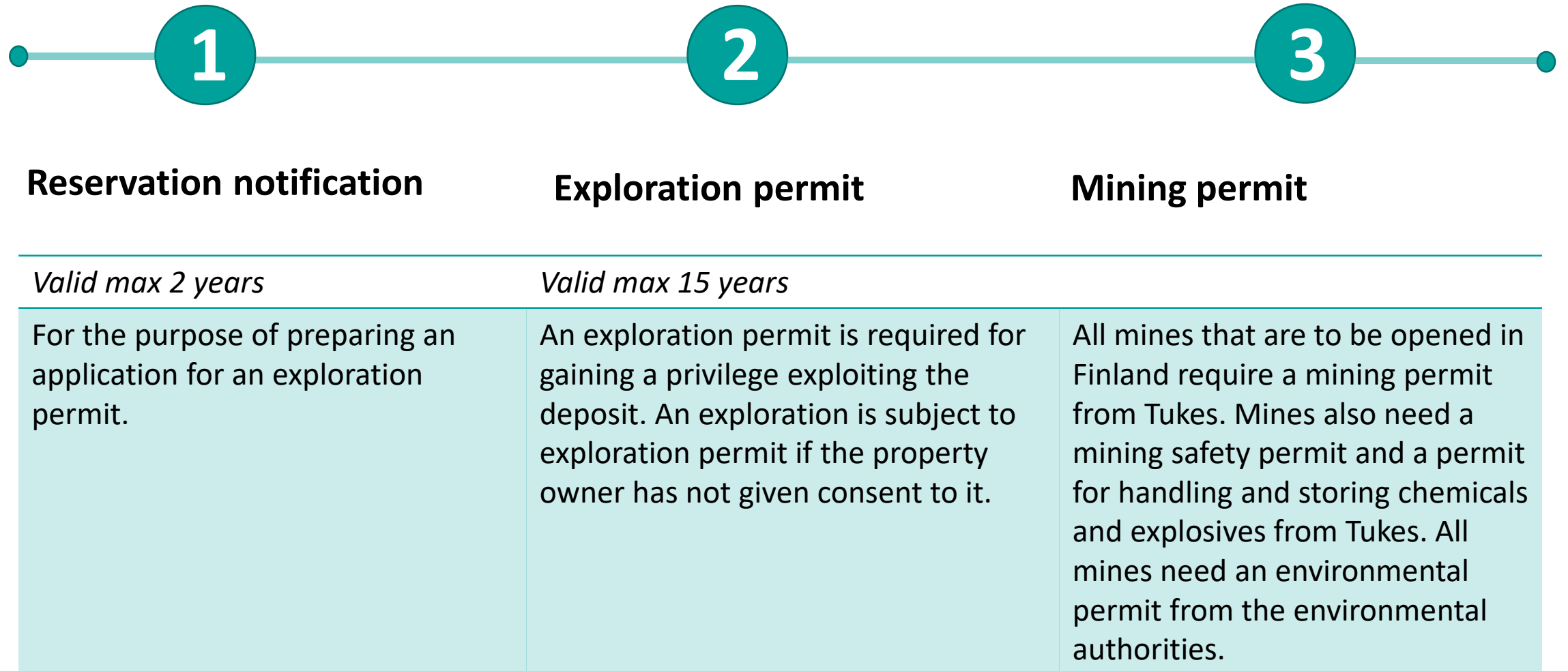
- Companies invested 68,5 millions euro in ore exploration in Finland (up 1% from the previous year)
- Compensation paid to landowners for exploration was approximately EUR 5.4 million
- Ore exploration drilling was carried out 280km (more than 28% of the previous)

## MINING ACTIVITY

21 companies report mining from 44 mines

- The companies invested EUR 311 million, which is 20% less than in the previous year. The most significant investments were made in the Kevitsa, Kemi and Kittilä mines.
- Metal ore, carbonate rock, industrial rock and industrial mineral mining was 47.9 million tons (down 2% from the previous year).
- The total extraction of the mines was 115.5 million tons (remained at the same level as in the previous year). The three largest Terrafame (40.9 million tons), Kevitsa (33.7 million tons), and Siilinjärvi (23.0 million tons) mined 85% of this.

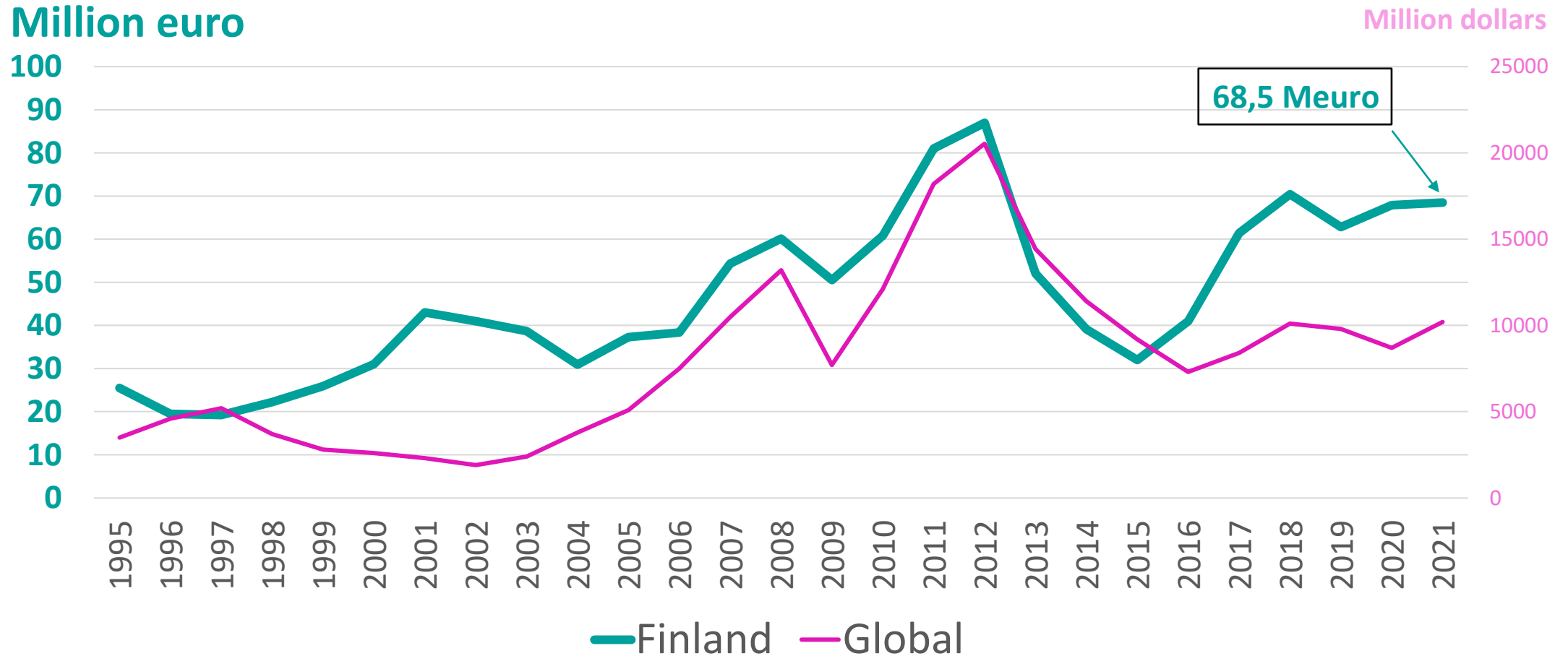
# Major phases of exploration and mining permits in Finland



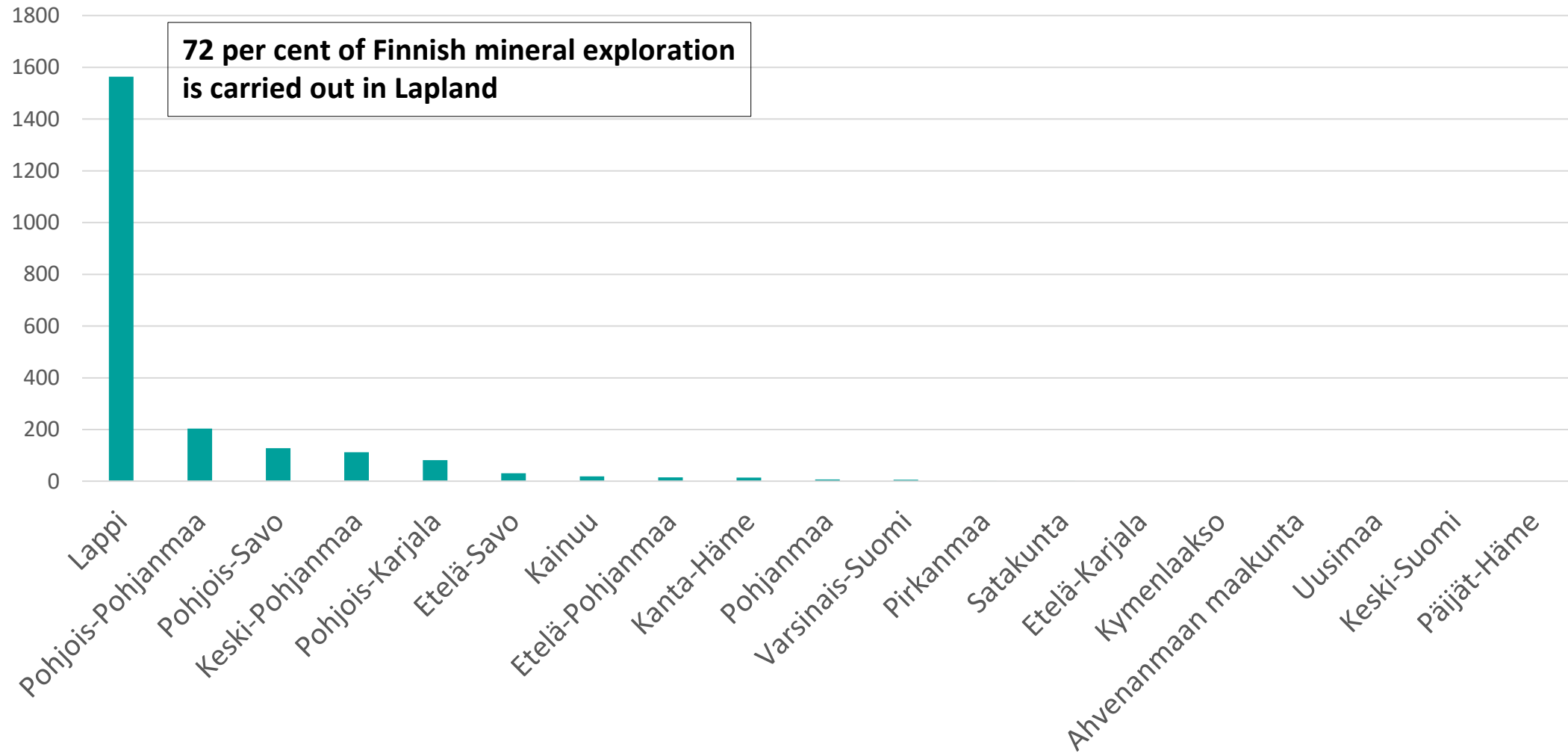
# Exploration in Finland 2016–2021

	2021	2020	2019	2018	2017	2016
Exploration investments, reported by prospectors (million €)	<b>68.5</b>	68.0	62.8	70.4	61.4	41.0
No. of prospectors	<b>50</b>	61	46	44	46	41
No. of reservation notifications filed in Tukes	<b>75</b>	92	88	50	96	68
No. of exploration applications (claims) filed in Tukes	<b>219</b>	113	149	148	185	98
Total area of reservation, (km <sup>2</sup> )	<b>30 000</b>	41 367	31 802			
Total area of exploration applications (km <sup>2</sup> )	<b>5 873</b>	4 387	3 499	3 573	3 426	2 160
Total area of valid claims/exploration (km <sup>2</sup> )	<b>2 072</b>	1 975	1 869	1 783	1 613	1 700
Drilling (kilometres)	<b>280</b>	219	189	219	273	178
• Grassroot	• <b>34</b>	• 65	• 39	•34	•40	•20
• Greenfield	• <b>180</b>	• 89	• 78	•73	•53	•57
• Brownfield	• <b>66</b>	• 65	• 72	•112	•180	•101

# Investments in ore prospecting 1995–2021



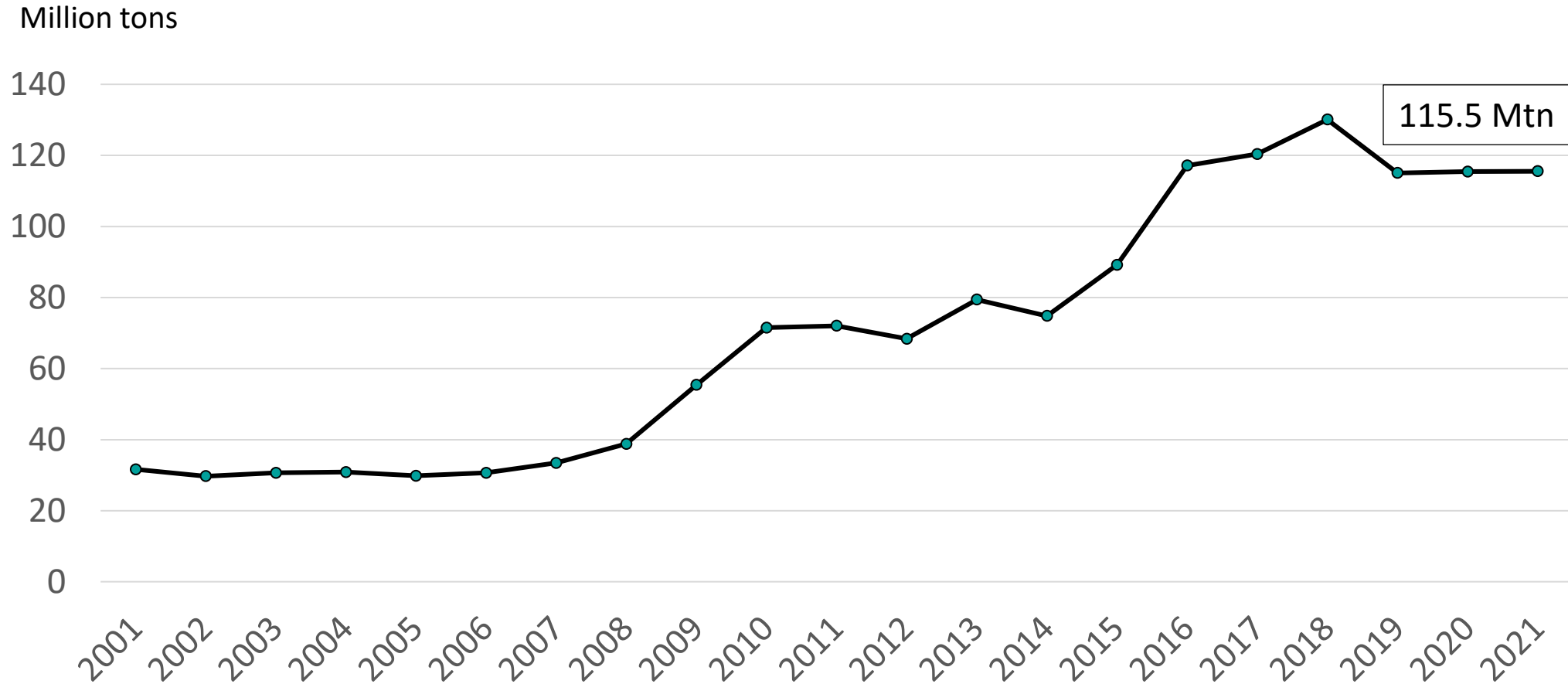
# Total area of valid claims/exploration (km<sup>2</sup>), 31.12.2021



# Mining activity 2010–2021

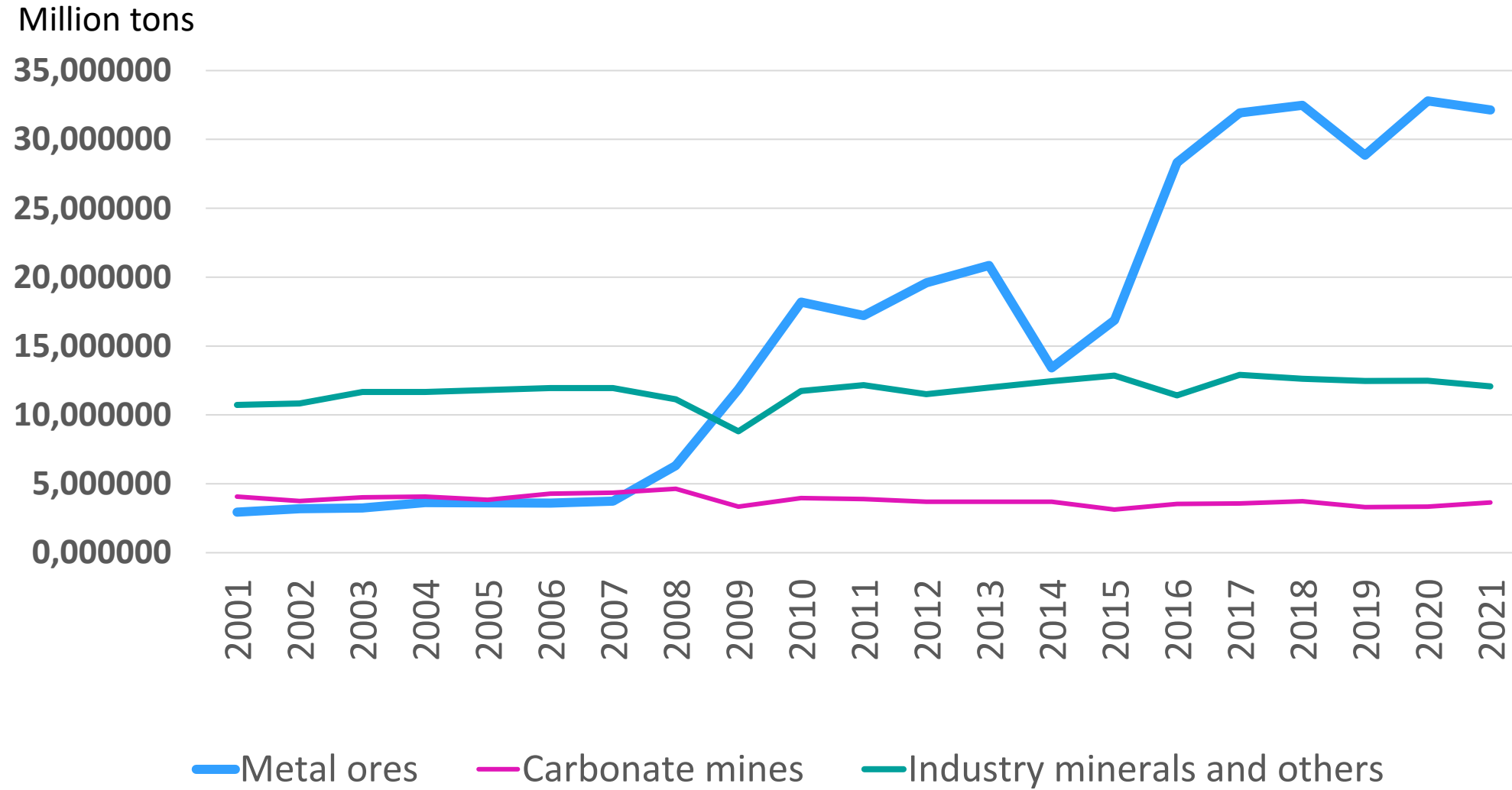
	2021	2020	2019	2018	2017	2016
Number of mines (REPORTED EXCAVATION)	<b>44</b>	45	44	46	44	42
Mine investments (million €)	<b>311</b>	392	525	390	303	242
Excavation of ore (million tons)	<b>47.9</b>	48.5	44.6	49.0	48.4	43.7
Total excavation (million tons)	<b>115.5</b>	115.4	115.1	130.1	120.4	117.2

# Total excavation (million tons) of mines in Finland 2001–2021



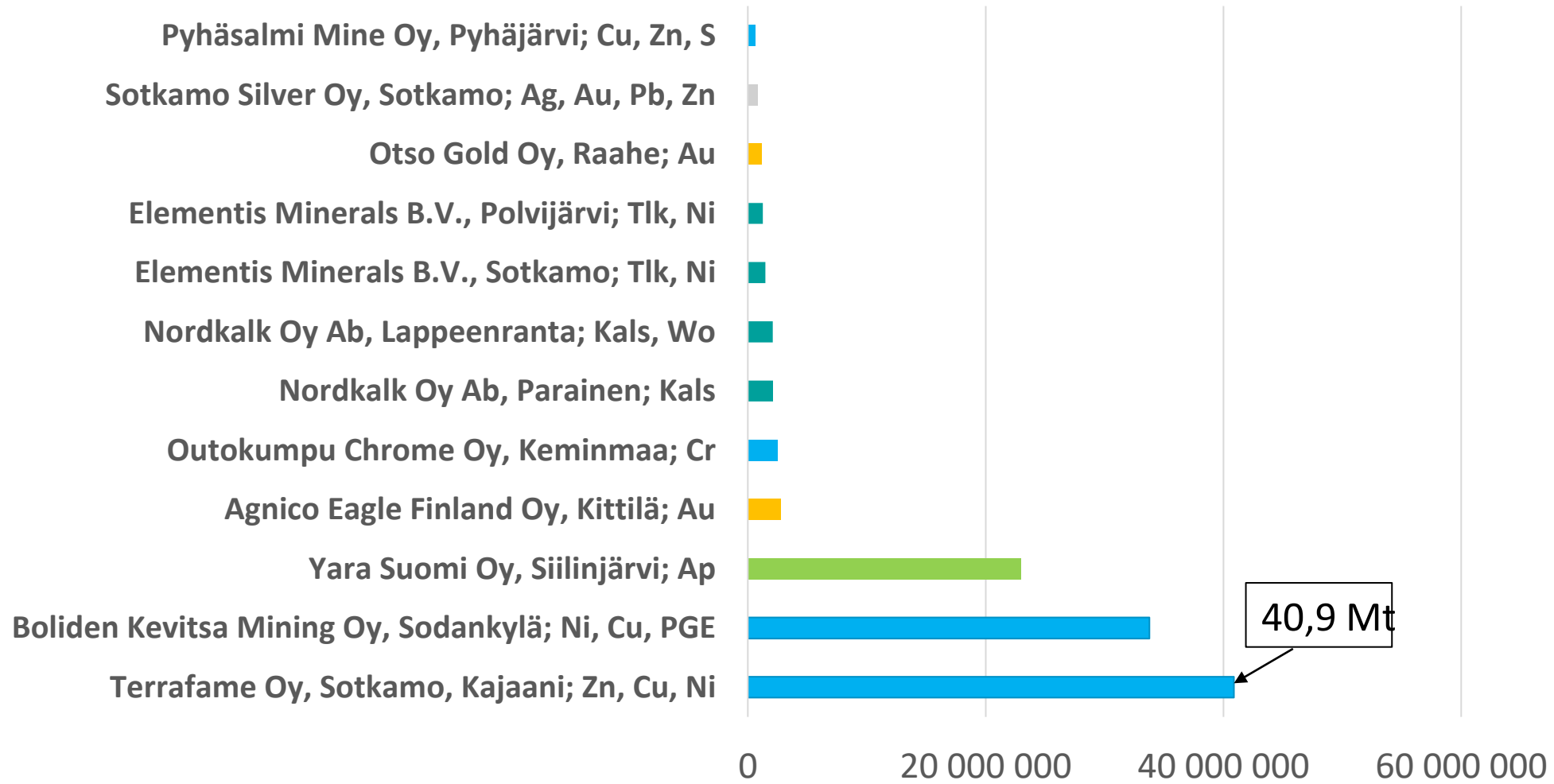


# Excavation (tons) for ore in 2001–2021



# Total excavation (tons) of 12 biggest mines in Finland 2021

(These mines accounted for 97% of the total mining of all mines)



# 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](mailto:kaivosasiat@tukes.fi) / [miningauthority@tukes.fi](mailto: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>



Screenshot from mining registry map service 17.3.2022