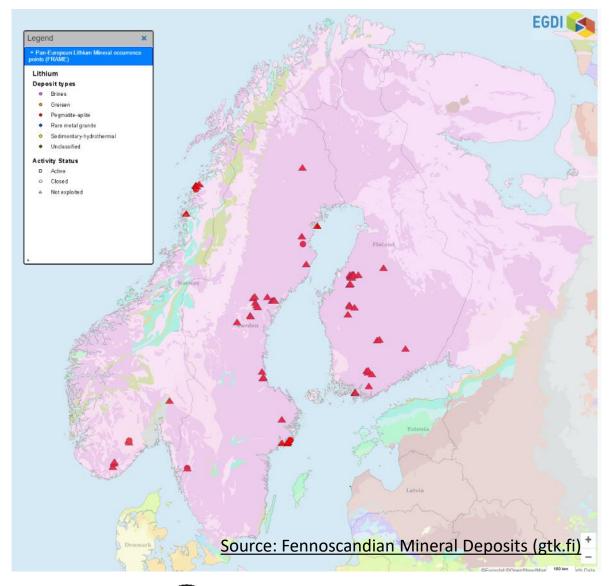


Li in the Nordics

- Known Li provinces in all three countries, for the most part LCT-pegmatites
- Increasing exploration activity in Finland and Sweden
- SGU carrying out CRM mapping program in Västernorland county with focus in Li-Nb-Ta
- GTK will continue country wide research and Lipotential mapping
- EU-funded Exploration Information Systems project (both GTK & SGU involved) ongoing
 - Mineral Systems Modelling (LCT-pegmatites)
 - Mineral Prospectivity Modelling



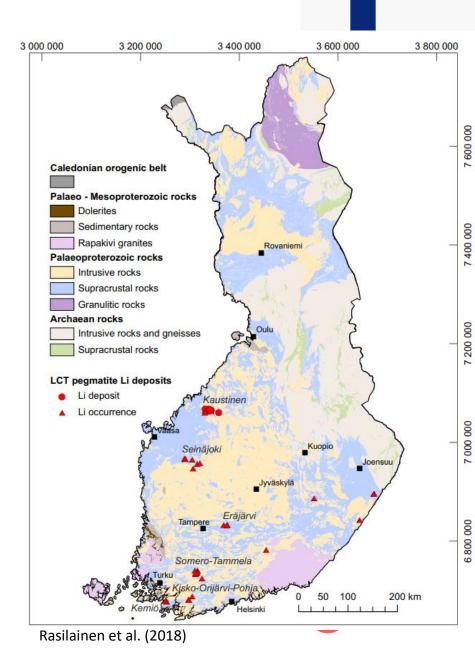






Finland

- Several Li-provinces recognized, mostly in Southern Finland
 - Most promising of at the moment are the Ostrobothnia and Uusimaa provinces
 - All known deposits and occurrences LCT-pegmatite type
- One mining project to start production in 2025
- Clear increase in interest to Lithium by exploration companies based on the increasing number of exploration licenses and license applications



Finland – Undiscovered Resources

- 2018 GTK carried out quantitative assessment for undiscovered Li resources in LCT pegmatites using USGS three-part-assessment method
- At 50% certainty the undiscovered Li resources are at least 510 000 t of Li (down to 1 km depth)

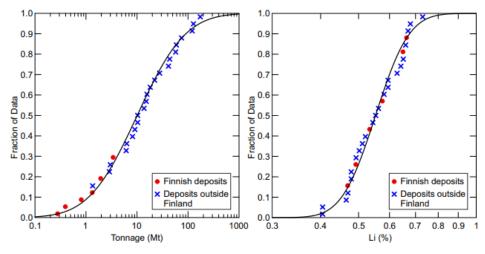
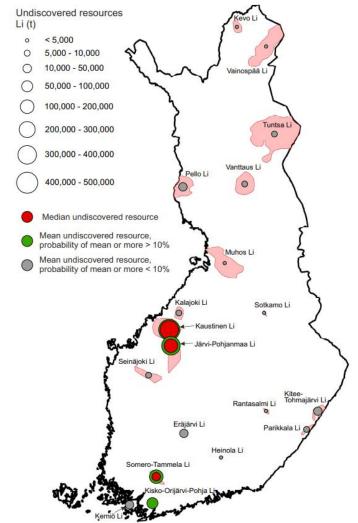


Fig. 1. Cumulative frequency plots of ore tonnage and lithium grade for all the 29 deposits in the dataset. The estimated lognormal cumulative distribution functions are shown as solid lines.





Li deposits Medium sized deposit Small deposit Unknown size Keliber Oy Li-project Kietyönmäki Li Hirvikallio Li

FINLAND



Spodumene pegmatite, Rapasaari deposit. Photo: T. Niiranen

Li Projects

Project	Highlights	Company
Keliber Li	Mine development project: Cluster of 6 LCT-pegmatites, tot. resources 15.2 Mt @ 1.12% Li2O. Mining will commence in 2025	Keliber Oy/ Sibanye Stillwater
Kietyönmäki Li	Exploration target: 0.4 Mt @ 1.5% Li2O*	Litiumlöydös Oy
Hirvikallio Li	Exploration target/historic mine (Si): 0.1 Mt @ 1.78% Li2O*	element92 Suomi Oy

^{*}Non-compliant resource estimation



Keliber Oy Lithium Project

- Keliber Oy/Sibanye Stillwater
- Six separate spodumene pegmatites = six deposits
- Discovery 1960-2010
- Permitting ongoing for open pit mining, processing plant and manufacturing plant for Li-hydroxide and Na-zeolite
- Expected mine life 20 years
- Annual mine production 625-850 kt
- Mine production to start in 2025



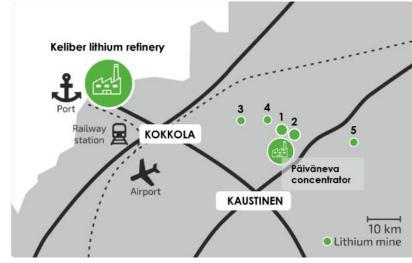


Figure: Keliber Oy

Mineral resources (2021) of the Keliber's lithium project in Kaustinen

	Syväjärvi		yväjärvi Rapasaari		Länttä		Outovesi		Emmes		Leviäkangas		Total	
	Mt	Li₂O%	Mt	Li₂O%	Mt	Li₂O%	Mt	Li₂O%	Mt	Li₂O%	Mt	Li₂O%	Mt L	.i₂O%
Measured	1,542	7.55	2,343	2.09	0,422	2.09							4,307	4.19
Indicated	1,167	1.40	5,762	0,96	0,906	0.28	0,281	10.19	1,0	76 5.16	0,19	3.21	9,382	0.43
Sub-Total	2,709	5.16	8,105	0.00	1,328	0.57	0,281	10.19	1,0	76 5.16	0,19	3.21	13,689	1.40
Inferred	0,118	0,79	1,537	0,91							0,278	3 0,9	1,933	0,9
Total	2,827	4.48	9,642	0,98	1,328	0.57	0,281	10.19	1,0	76 5.16	0,468	0.00	15,622	1.12

15.3.2024 6

Sweden



Mine/Project	Highlights	Company
Varuträsk	Closed mine, 0.4 Mt ore @0.12% Li, contained 480 tonnes*	Critical Metals
Järkvissle	Not exploited, 0.6 Mt ore @0.45% Li, contained 2760 tonnes*	Asera Mining AB
Järkvissle project	Exploration of lithium adjacent to and along strike of the Järkvissle pegmatite sites	Pure Resource limited
Orrvik	Highly prospective for Spodumene-bearing lithium-caesium-tantalum (LCT) pegmatite-type lithium deposits. Assays up to 3.3% Li2O	Ragnar Metals
Bergby	4.65% Li ₂ O and up to 803 ppm Ta ₂ O ₅	United lithium
Halleberget	assays of up to 2.8% Li₂O and 7,820 ppm Ta have been reported on pegmatites mapped for over 400m of the strike	Ragnar Metals

^{*}Non-compliant resource estimation

Bergby

Pegmatite

Open to depth



Lithium mineralisation

Lithium deposit (small)

 5 Drilled Lithium Pegmatites Neighbouring deep water intercoastal port

> Pegmatite D – Modeled System Bergby Project

> > 1.82% Li,O over 12.97 m

BBY23135:

1.54% Li₂O over 28.01 m

Estimated true thickness 22 m

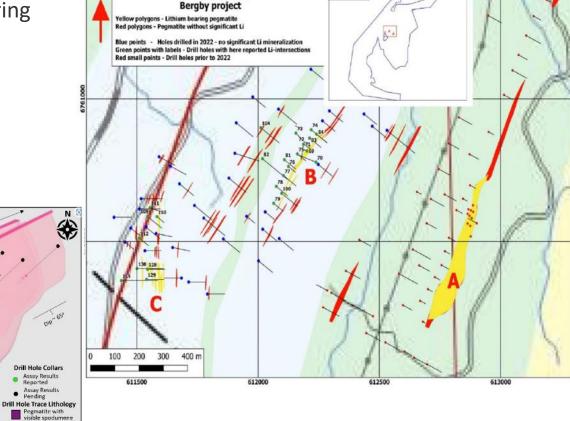
 Lithium battery gigafactory under construction nearby

> BBY23132: 1.92% Li₂O over 26.80 m Estimated true thickness 19 m

BBY23141:

1.96% Li₂O over 9.68 m

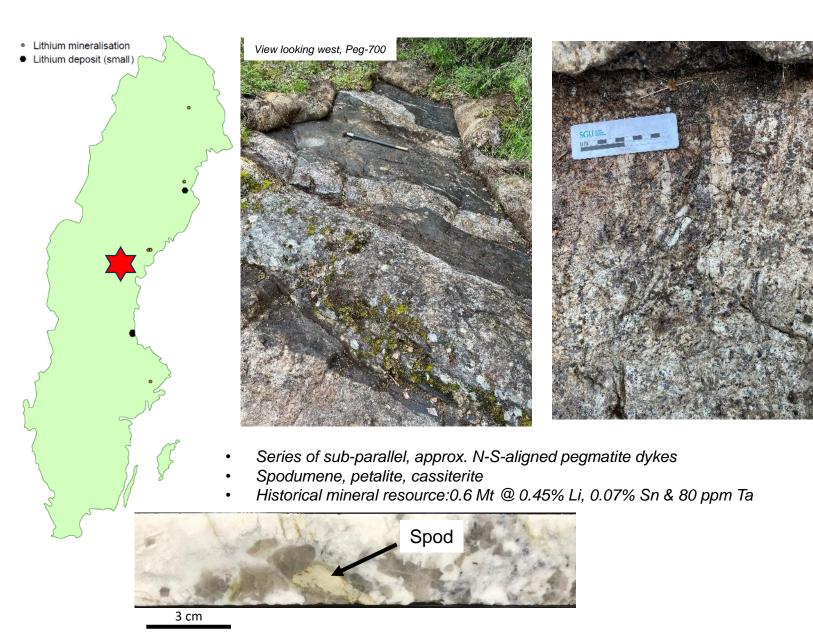
Estimated true thickness 5 m



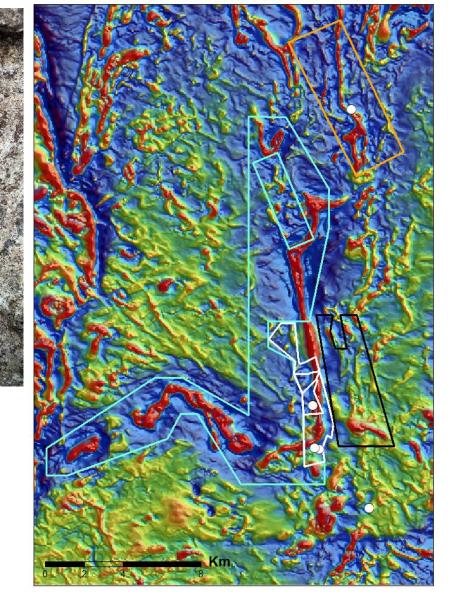
United Lithium corp

Source for figures: Sweden – United Lithium Corp.

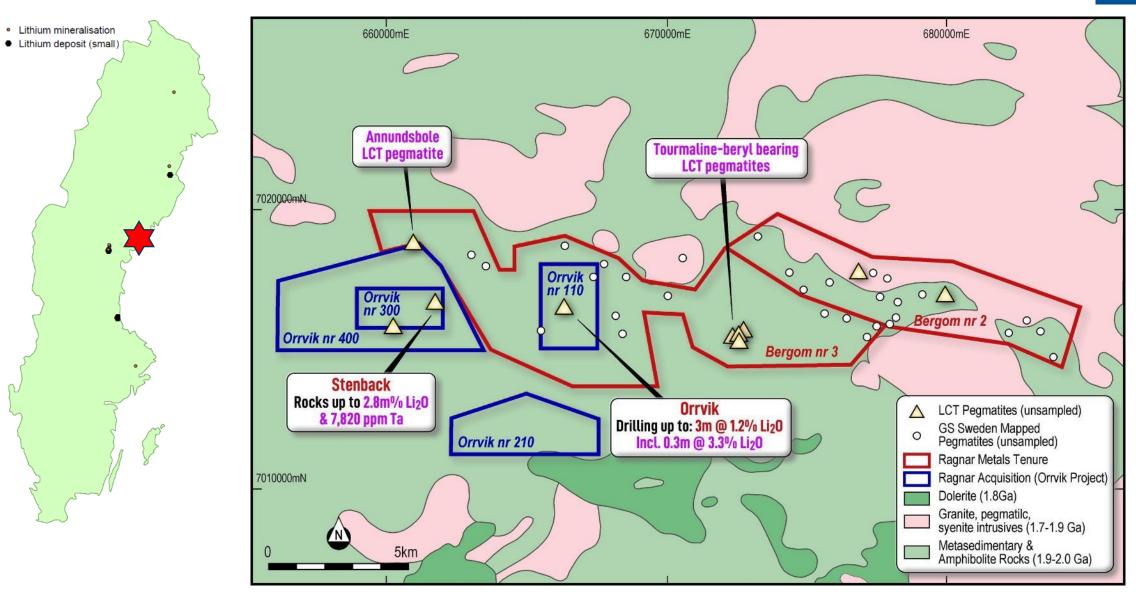
Järkvissle



prospecting -Claim area



Orrvik Lithium Project



Source for figure: Orrvik Lithium Project — Ragnar Metals Ltd.

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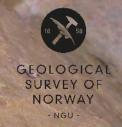












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Photo: Tero Niiranen, GTK