



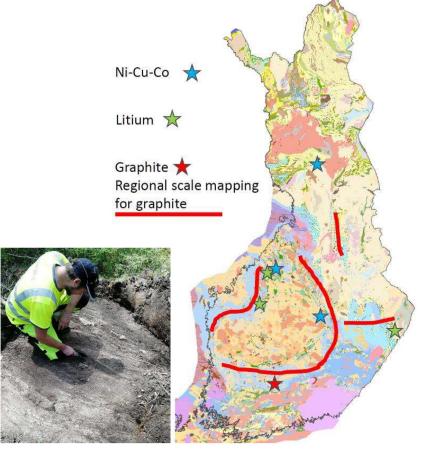
# GTK provides services and support to all stages of exploration

- Geoinformation and geodata Katja will talk more on this
- Mineral potential mapping
- Mineral potential modelling
- Tailored expert services for scientific needs
- Loppi drill core archive
- Research laboratory services Marja will talk more on this
- Actively promoting exploration opportunities in different venues (PDAC, Mines & Money, FEM, etc)



Mineral potential mapping during strategy period 2019-2023

- Focus on battery minerals and related deposits
- Regional scale graphite potential mapping
- Target & Belt scale Li-potential mapping
- Target & Belt scale Ni-Cu-Co mapping
- Geophysical surveys & geochemical sampling programs at different scales

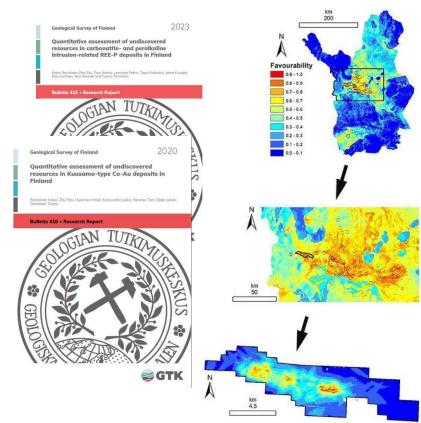




## Mineral potential modelling during strategy period 2019-2023

- 3D geomodelling in regional to belt to deposit -scales
- Mineral prospectivity modelling from country wide to camp-scales for different deposit types
- Scientific mineral deposit characterisation
- USGS 3-part assessment of undiscovered mineral resources

GTK provides these also as customer defined scientific expert services





### Mineral potential research services

- Core sheds and logging tables available at Rovaniemi, Kuopio, Loppi
- Personel and equipment available for preparation e.g. core splitting
- Petrophysical surveys can be conducted in Rovaniemi, Loppi & Espoo lab







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#### Mineral potential mapping related services

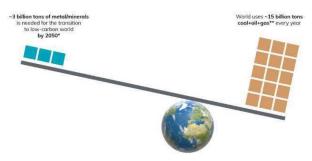
- Field work assistance or capability building
- Field excursions to customer requested targets or target areas
- Expert scientists are available to improve customers knowledge on regional or deposit scale geology
- Devices for lease on-site with operator; XRF Vanta & Delta, LIBS etc
- Extensive thin section liberary available for lending



#### Mineral intelligence and foresight

- Prognosis and analysis on mineral markets and value chains
- Access to deposit databases in EU and globally
- Partner network to support our customer needs

#### Metal levels towards low-carbon world



- The Beyond 2 Degrees Scenario (B2DS): Aims to limit with a 50% chance global temperature rise to  $1.75^{\circ}$ C. above pre-industrial levels. (Hund, K., La Porta, D., Fabregas, T.P., Laling, T. & Drexhage, J. 2020.) gas counted as tonne oil equivalent

