

# Metals in 2045: What is your part?

## - The Skills Needed to Realise the High-tech Green Industries

14<sup>th</sup> to 15<sup>th</sup> November, 2024

### Workshop Programme

#### 14<sup>th</sup> November

Location: Medlefors Konferens och Hotell and Skellefteå Adventure park (Varuträsk)

9:30 - Morning Coffee and Mingle

10:00 - Introduction to the Workshop

**11:00 - Talk 1: The Green Transition - Technology, Society and Policy, Olof Lof (RMG)**

11:30 - Lunch

13:00 - Career presentation from alumni PhD student

**13:30 - Talk 2: EU Policy for the Green Transition, Roger Hamberg (JRC, European Commission)**

14:00 - Career presentation from alumni PhD student

14:30 - Bus departure to Varuträsk

**15:30 - Talk 3: How is Skellefteå affected by the Green Transition, Karin Degerfeldt (Skellefteå Kommun)**

**16:00 - Talk 4: An overview of lithium pegmatite mineralisation in central Sweden, Edward Lynch (LTU)**

16:15 - Mine visit in closed Varuträsk Li mine

18:30 - Cozy open fire dinner

20:30 - Bus back to hotel



#### 15<sup>th</sup> November

Location: Boliden and Medlefors Konferens och Hotell

8:00 - Bus departure for Boliden

9:00 - Pilot plant and drill core archive visit (two separate groups)

11:30 - Lunch

13:00 - Bus back to conference venue

**14:00 - Talk 5: Safety Culture in Industry, Annika Kruuna (LKAB)**

**14:30 - Talk 6: Technology in Mineral Exploration, Jon Keisu-Lundh (Boliden)**

15:00 - Coffee break

15:15 - PhD student project pitches and discussion, "What is your part in 2045?"



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### Meet the speakers



Olof Lof is a mining analyst and mineral economist. Olof works for RMG Consulting and has 15 years of experience of analyzing the mining industry, measuring physical flows and monitoring industry structure. RMG Consulting is a global mineral economics and policy/strategy advisor. Over the years the RMG Consulting, and its predecessor Raw Materials Group, has established itself as a reputable and independent supplier of data and advice on the world's mining industry. Previously Olof has worked for S&P Global and Raw materials Group.

Roger Hamberg, has a PhD in Applied Geochemistry (LTU), and is currently working as a Scientific Project officer at the Joint research Centre (JRC, European Commission) in Ispra, Italy. At the JRC, he supports policy work with knowledge about mining and geology. Previously, he worked as a senior geologist at the Geological survey of Sweden, consultant and environmental engineer.



Karin Degerfeldt is a sustainability manager at Skellefteå Municipality, Sweden, and an economist with a focus on sustainable development by training. She previously served as the project manager for Skellefteå's major infrastructure projects linked to Europe's largest industrial establishment. Her efforts in innovative procurement methods and spokesperson for the sustainable development in a fast growing city earned her a nomination for "Sustainability Person of the Year" by the Swedish Green Building Council.



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### Meet the speakers

Edward Lynch is a postdoctoral researcher in the Ore Geology group at Luleå University of Technology. He received a PhD in 2018 from the University of Galway for research on granite-related Mo-Cu mineralization in eastern Canada. From 2013 – 2023 he worked as a bedrock and economic geologist at the Geological Survey of Sweden in Uppsala. Current research projects include a geochronology study of the Viscaria Cu deposit in northern Sweden and the genesis of LCT-type pegmatites in central Sweden. Edward is a professional member of the Society of Economic Geologists, the Irish Association for Economic Geology, and holds “P.Geo” accreditation from the Institute of Geologists of Ireland.



Annika Kruuna is the Manager of Safety and Quality at LKAB Group. She holds a Master's degree in Geology from Åbo Akademi University in Finland and has also studied Technology, Health, and Work Environment at KTH Royal Institute of Technology in Sweden. With 18 years of experience in the mining industry, Annika serves as the Chair of both the Euromines Health and Safety Committee and Svemin's Health and Safety Committee (GRAMKO), which is part of the Swedish Association for Mines, Mineral and Metal Producers.

Jon Keisu-Lundh holds an MSc. in Geology from Uppsala University and has 10+ years of hands-on experience from exploration and mining in Sweden and Scandinavia, ranging all the way from late stage greenfield up until advanced brownfield projects and active mining operations. For the past four years Jon have been managing the Geodata department; responsible for ensuring and maintaining the integrity, longevity and usability of all geoscientific and exploration related data produced or otherwise used by the Exploration department and the Mine Sites. The Geodata department also support the organization with expertise in matters concerning permitting processes related to different exploration stages and activities and processing of such matters including contact with landowners, stakeholders and authorities. Furthermore, the Geodata department manage all activities encompassing drill cores, samples, pulps and rejects. Since October this year Jon is also Acting Exploration Director for Boliden.

