

INVITATION

INTERNATIONAL CONFERENCE

Sourcing the European energy transition from domestic raw materials resources – vision or wishful thinking?

UPPSALA, 25-26 APRIL 2023



SveMin



UNITED LITHIUM



GREENPEG International Conference

Aim and Objective

This one-day conference on 25th of April questions Europe's raw materials supply security in the context of its economically viable raw material potential and of current geopolitics. It examines the existing and future framework conditions for mining projects and their downstream value chain. The question arises, which course do we follow? The conference also focuses on the work of the European Geological Surveys for the territorial mapping of critical raw materials and highlights the potential for cooperation with Africa.

On April 26th, a site visit is offered by United Lithium Corp. to Bergby Lake Lithium exploration project. Sweden currently holds the EU Council Presidency for the first half of 2023. Sweden is one of the most important mining countries in Europe with great raw material potential for managing the energy and mobility transition and securing the raw material supply for future technologies.

The conference is hosted by the EU HORIZON 2020 project GREENPEG, in cooperation with the Swedish Mining Association SVEMIN and the European Technology Platform on Sustainable Mineral Resources (ETP SMR) and will take place in picturesque city of Uppsala, 20 minutes by train from Stockholm Airport.





Program

8:00 REGISTRATION, WARM UP

9:00 **Welcome**

Wolfgang Reimer, Exploitation Manager, GREENPEG
Katarina Nilsson, President ETP SMR

9:15-10:45 **SETTING THE SCENE: EUROPE'S MODEL OF FEEDING THE ENERGY TRANSITION**
Moderator: Maria Sunér, CEO / VD SVEMIN

Film: **Voices from the affected: Is the framework conditions in EU set to deliver the Green Deal? Statements from companies and panel discussion starting with statements by panelists**

The Critical Raw Materials Act and how it will accelerate domestic minerals supply
Annika Wäppling Korzinek, Head of European Commission Representation in Sweden,
Mauri Pekkarinen, MEP, Committee on Industry, Research and Energy





The new geopolitics of supply chains - friend shoring as a target for the relocation of supply

Dr. Melanie Müller, German Institute for International and Security Affairs (SWP), Berlin, and member of the research network sustainable global supply chains

The lithium supply chain in Europe from the global view – chances and challenges from upstream to downstream

Daisy Jennings-Grey, Senior Analyst, Benchmark Mineral Intelligence

Coffee Break

11:00-12:00 RESEARCH & INNOVATION ON CRITICAL METALS EXPLORATION IN EU

Moderator: Katarina Nilsson, President ETPSMR

Key note: Achievements and needs on R&I on critical metals exploration in EU

Massimo Gasparon, Director of the European Raw Materials Alliance (ERMA)

New exploration tools on NYF/LCT pegmatites: The EU HORIZON GREENPEG project and expected impacts.

Axel Müller, University of Oslo, Project Coordinator GREENPEG

Research & Innovation from graphite exploration to battery anode material

Anna Moisola Motta, Head of Advanced Materials and Technologies, Talga Group

Enhancing research partnership with South African in raw materials exploration. contributions by the FUTURE project

Mehrdad Bastani, Senior geophysicist, adjunct professor, Department of Earth Sciences, Uppsala University.

12:00-13:30 Lunch - Postersession

13:30-14:30 *EXPERIENCES IN CRM EXPLORATION IN THE EU BY PRIVATE ENTREPRENEURS*

Moderator: Matthias Forss, Geopool

Key note: A Canadian in Europe: The exploration of the Bergby Lake lithium deposit in Sweden

Michael Dehn, CEO United Lithium Corp.

From exploration to off-take – the Wolfsberg Lithium project

Thomas Unterweissacher, European Lithium Ltd.

14:30-15:30 *TERRITORIAL MAPPING AND SURVEYING ON CRM IN SUPPORT OF SOURCING EU INDUSTRY*

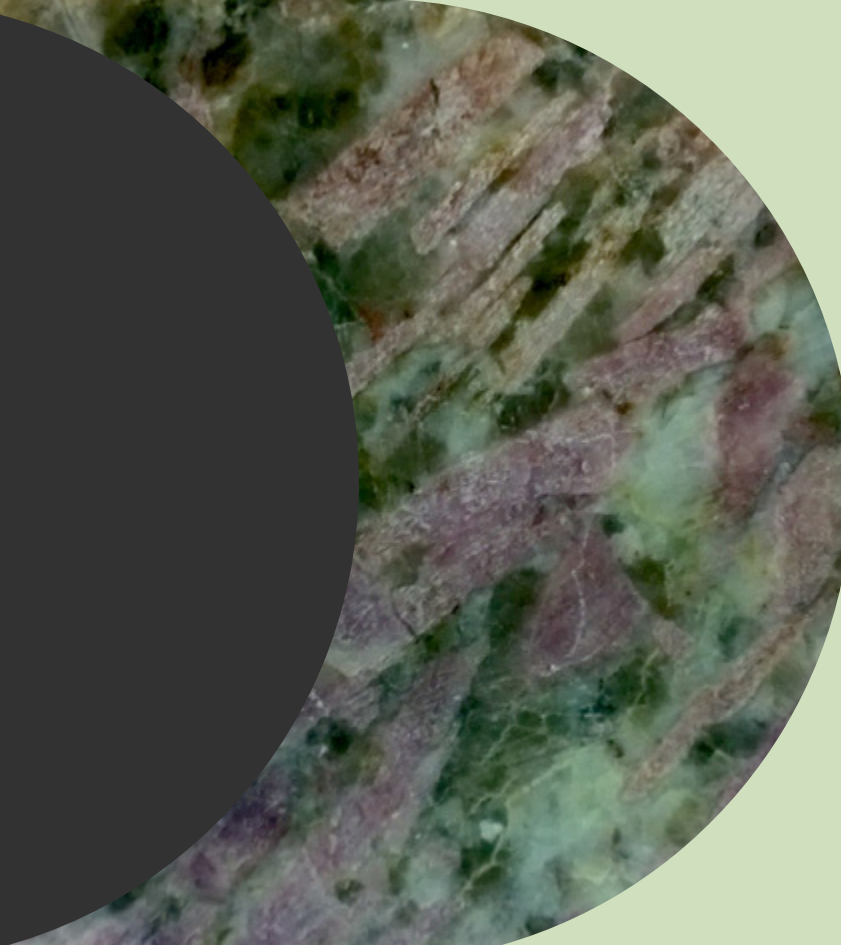
Moderator: Julie Hollis, General, EuroGeoSurveys

Key note: Europes´ territorial mapping on metals for the energy transition

Julie Hollis, Secretary General, EuroGeoSurveys

Territorial mapping, surveying and applied research activities on critical raw materials in Sweden:

Martiya Sadeghi, Swedish Geological Survey





15:30-16:15 Coffee Break

16:15-17:15 *EXPLORATION "MADE IN EUROPE" – EXPERTISE AND HOT SPOTS FOR EUROPEAN EXPLORATION IN AFRICA*

Moderator: Kathryn Goodenough, British Geological Survey

Key note: Potential for Africa to supply lithium to European supply chains

Kathryn Goodenough, British Geological Survey

Namibia – an upcoming strategic partner for feeding the energy transition?

Insights from Rainer Ellmies, Managing Director Gecko Exploration (Pty), Vice-President Exploration, Namibia Critical Metals nc. and Kaarina Ndalulilwa, Namibian Chamber of Mines

African experiences as a private global exploration consultant – challenges and opportunities

Klaus Brauch, terratec GmbH

17:15 *CONCLUSION AND OUTLOOK*

The New Strategic Innovation and Research Agenda of the European-Technology Platform on Sustainable Mineral Resources (ETP SMR)

Katharina Nilsson & Wolfgang Reimer, Executive Committee, ETP SMR

17:30 End of conference



Registration: Please follow the [registration link](#)

Registration dead line: 11.4.2023

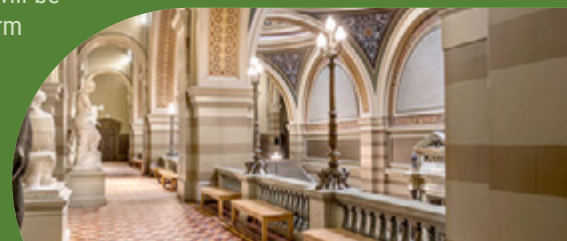
Venue: [Uppsala Universitet](#) Main Building, Lecture Hall X

How to get there: Uppsala is easily reached by train in just 38 minutes from Stockholm and 18 minutes from Arlanda Airport. Find more information [here](#)

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Field trip to United Lithium Ltd.

Guided half day conference field trip to [United Lithium](#) Ltd. Bergby Lake deposit:



The Bergby Project is a newly discovered Lithium deposit in central Sweden, near to the world famous Woxna graphite mine, the new Northvolt lithium battery gigafactory, and close to major mining and transportation infrastructure, workforce and equipment. The Bergby project is secured by eight exploration licenses that cover a total of 10,828 Ha. The property is prospective for near-surface lithium mineralization observed in surface boulders and outcrops, positioning the property for cost effective extraction potential.

The field trip introduces into the mineralization and setting including latest results of the exploration works on petalite and spodumene lithium mineralisations rich in tantalum.

Adapted from Roland Zenn, orig. Jan. 2021



Why GREENPEG?

Europe has a long history of natural resource use. However, in Europe, production requires a far more preparatory work from investors, including environmental and social impact assessments, public consultation, exploration regulation compliance and mine planning, than in other parts of the world. This preparation has to be pre-financed. To keep projects profitable, cost savings must be generated. This starts in the early stages of exploration projects, to quickly and reliably locate orebodies, to reduce risk involved in selecting drilling locations for that very cost-intensive phase of exploration. It is in this pre-drilling step that GREENPEG comes into play: decreasing exploration costs by use of a modular sequence of optimized exploration methods from ground, air and space-based information. Furthermore, GREENPEG results enable emissions to be reduced and thus requirements for fulfilling the legal requirements of the ESIA to be met better, which in turn can lead to more acceptance among those affected. GREENPEG helps to see things with new eyes, in the field and in cash!

