

# Metals4U+ - Mineral raw materials for a green and digital future

## Project leader

Stefan Sädbom, Senior Exploration Geologist  
Koordinator: Bergskraft Bergslagen AB

## Partners

Bergskraft Bergslagen AB, AB Gladjtjärn, Askersunds kommun, Boliden Mineral AB, Geoforum Skåne, Epiroc Rock Drills AB, Exploratoriet i Skellefteå AB, Georange Ideela Förening, Lantbrukarnas Ekonomi AB (LRF), Lovisagruvan AB, Luleå Tekniska Universitet, Malmö kommun, Nordkalk AB, SGU, Skellefteå Kommun/Exploratoriet, Stiftelsen Teknikens Hus Luleå, Zinkgruvan Mining AB, Örebro Kommun/Trainstation.

3 March 2021 – 31 March 2024 → 31 Dec 2024

Totalbudget: 8,4 Mkr (3,8 Mkr from SMI)



## Program Day 2023

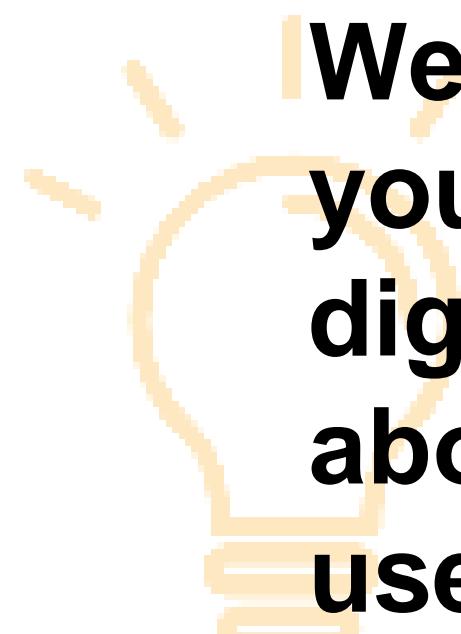
## Purpose and goal

**Our goals are to:**

- increase the understanding of use and origin of metals and minerals
- Improve the dialogue about what mines are and how we need mines
- increase knowledge and interest for how to create a sustainable mineral industry for the future.

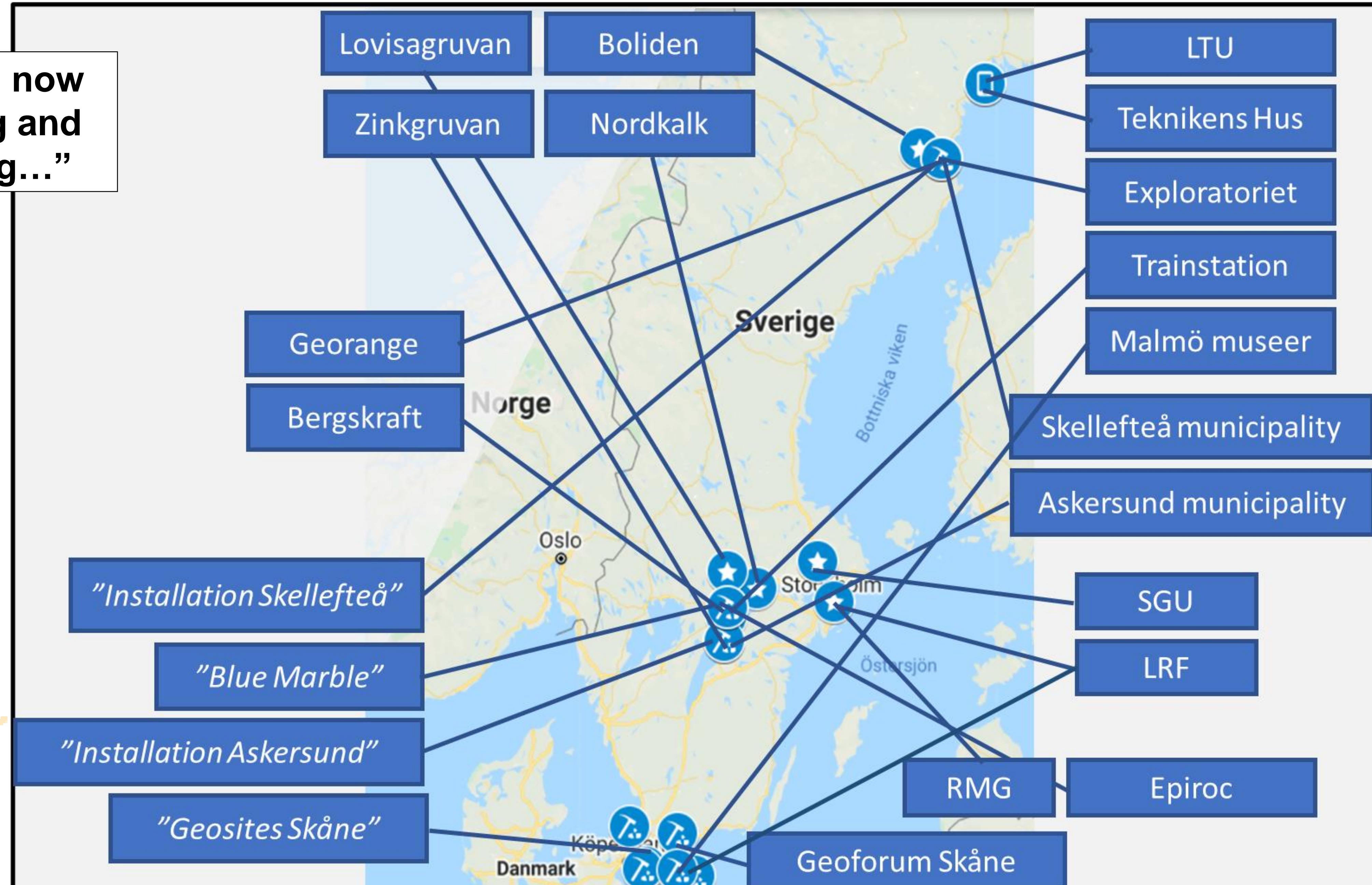
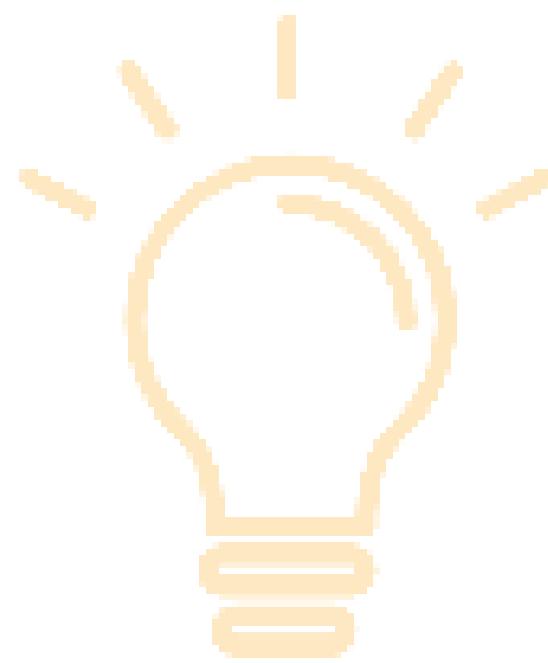
**Main target group: Students 6-15 yrs**

We believe the students acquisition of knowledge will be stimulated by a mixture of physical and digital experiences.



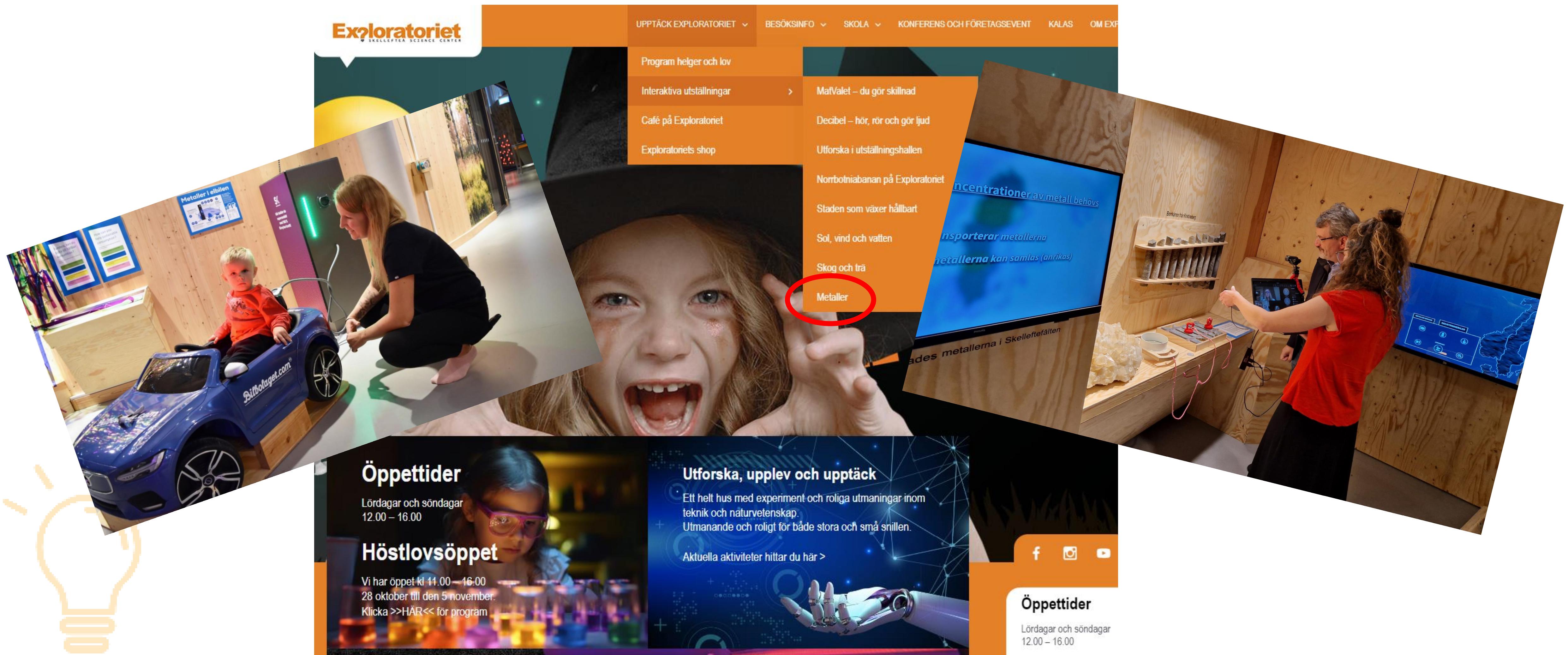
We will present the students with something physical that really exists, something that you can feel, smell and see, and we will enhance the experience with digital tools, a digital learning platform, that strengthen the understanding and add more information about how “the real thing” has been created, where it comes from and what it can be used for.

**"We are now  
building and  
creating..."**

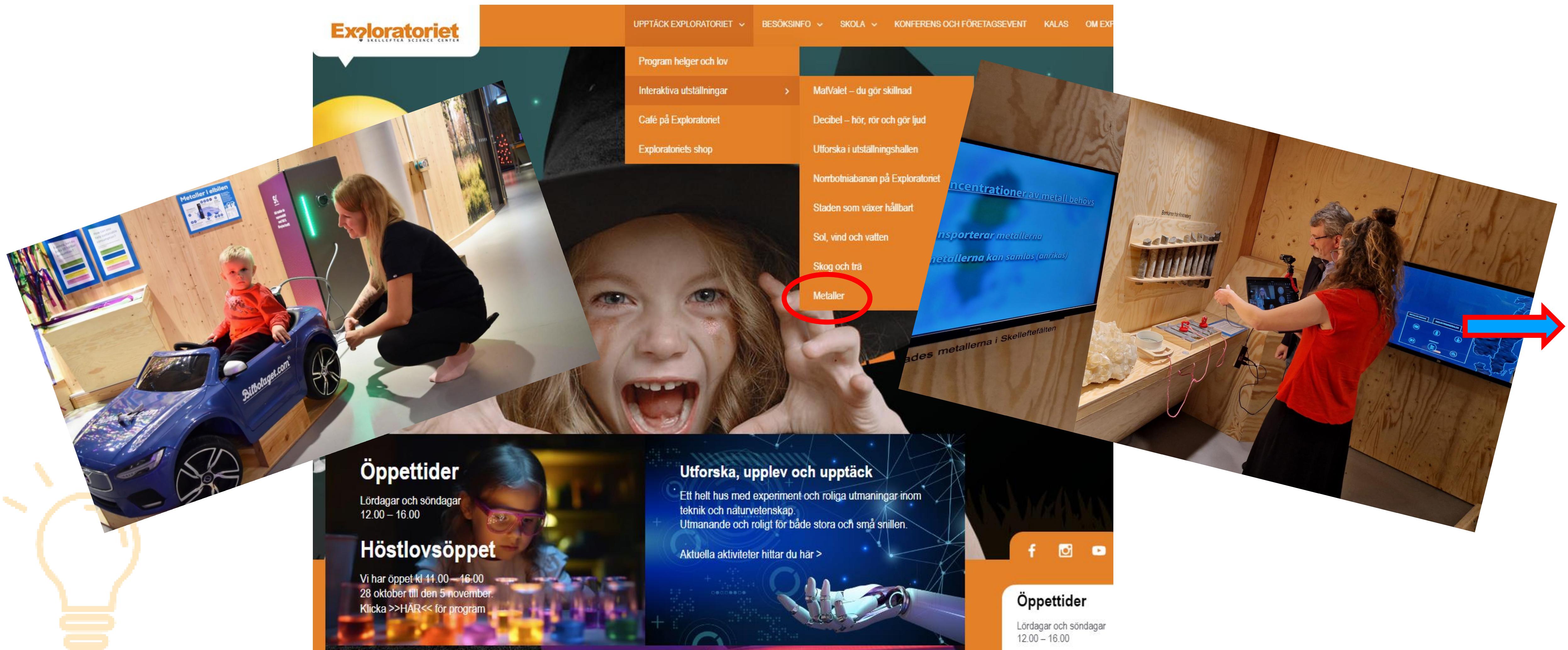




# Project results so far and dissemination

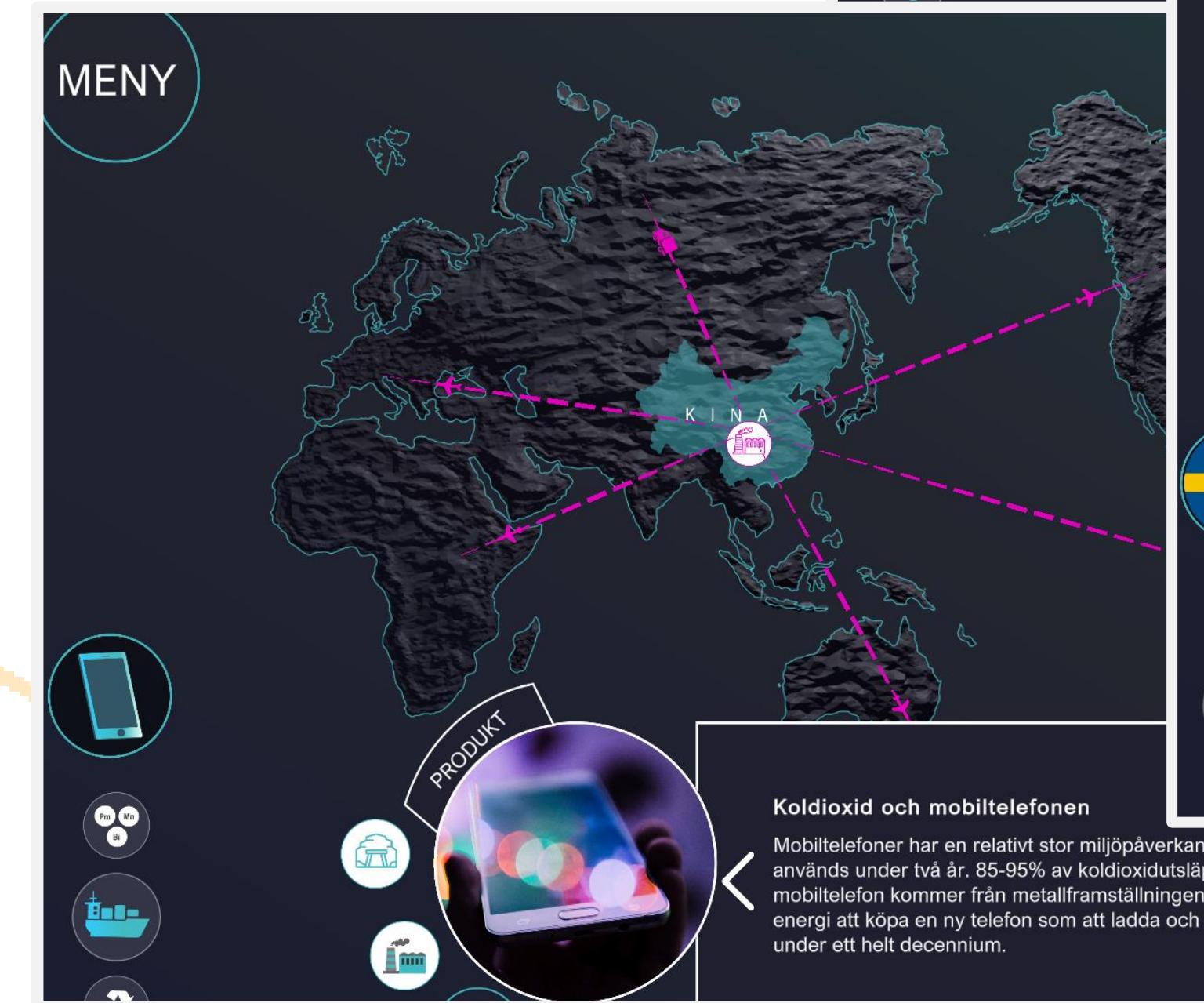
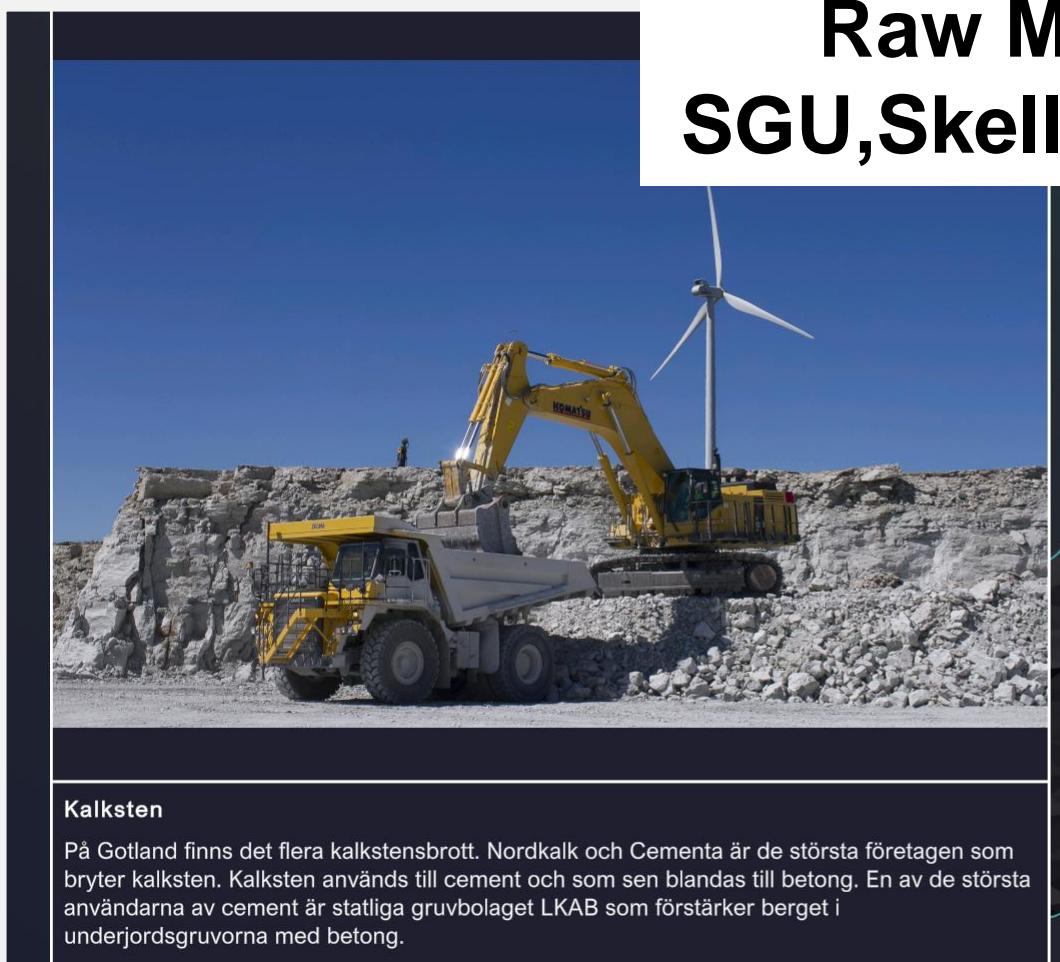
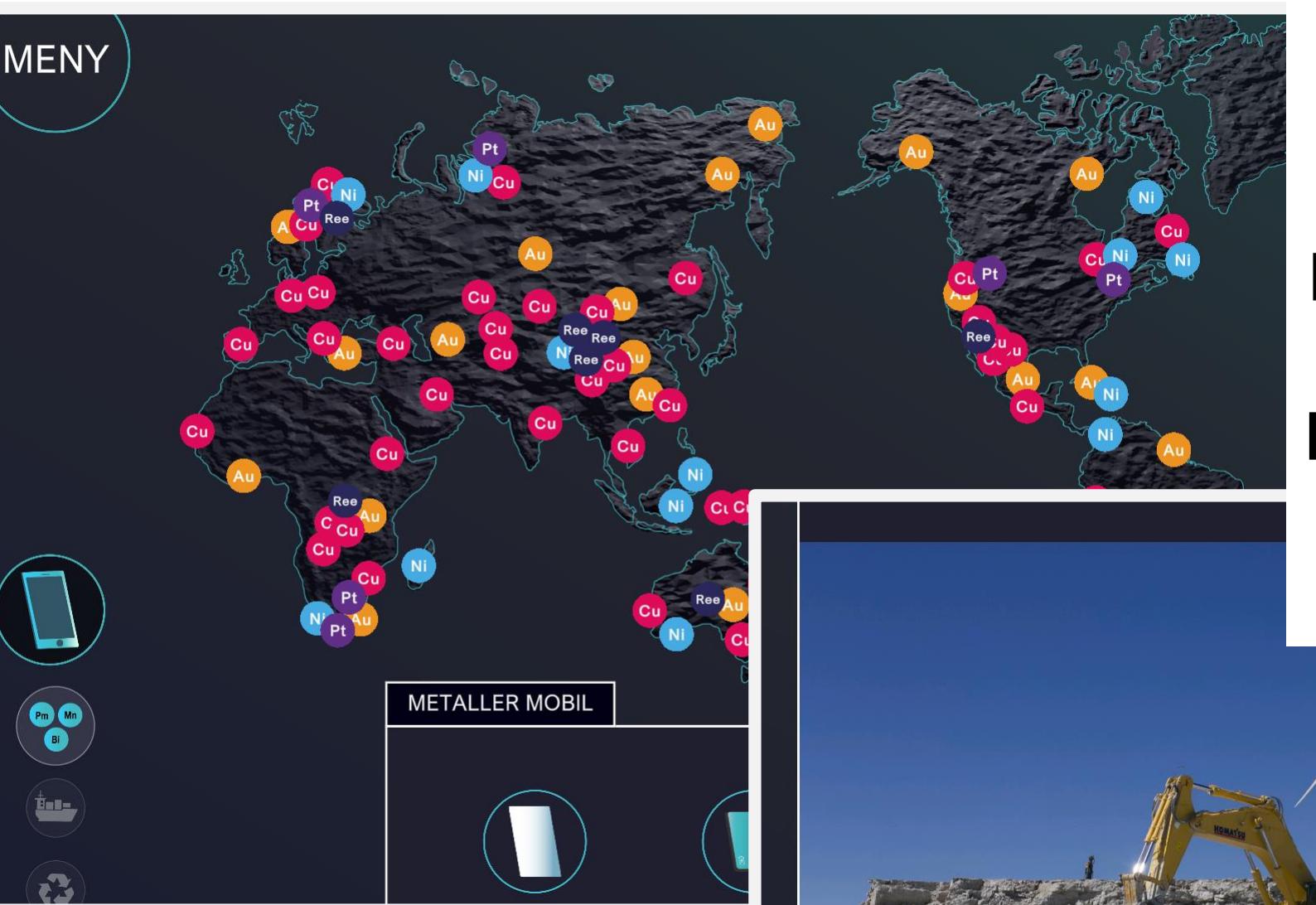
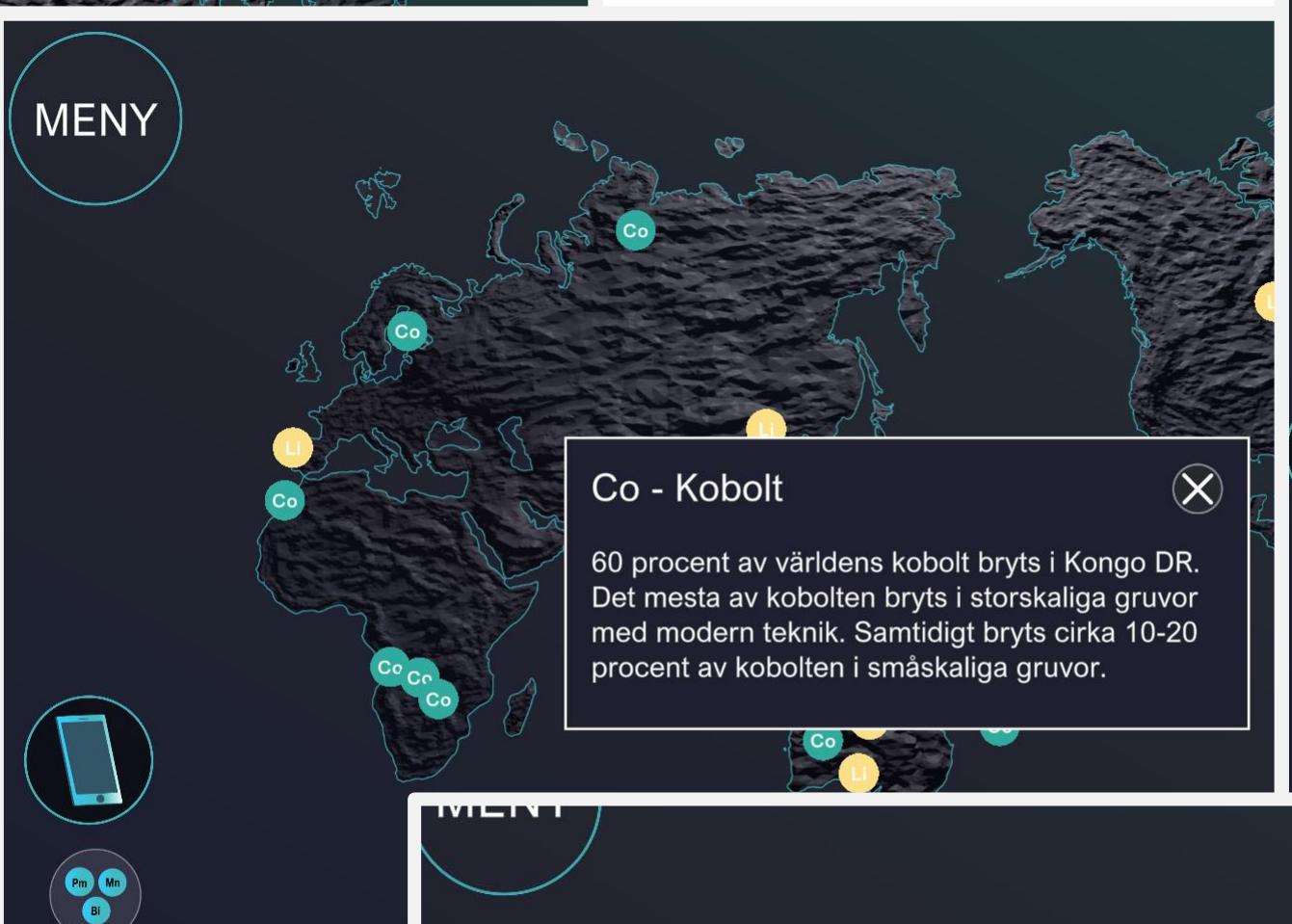
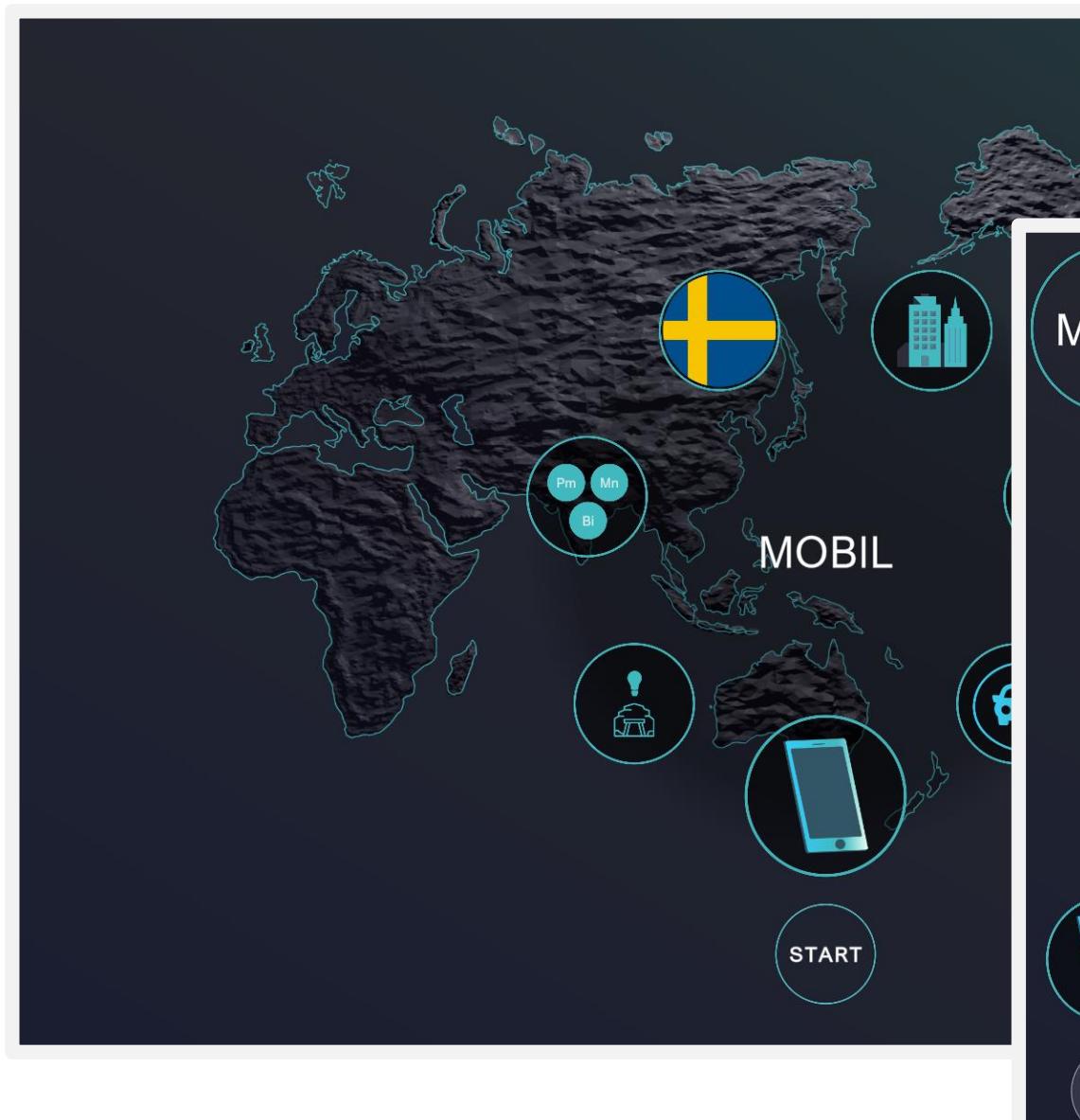


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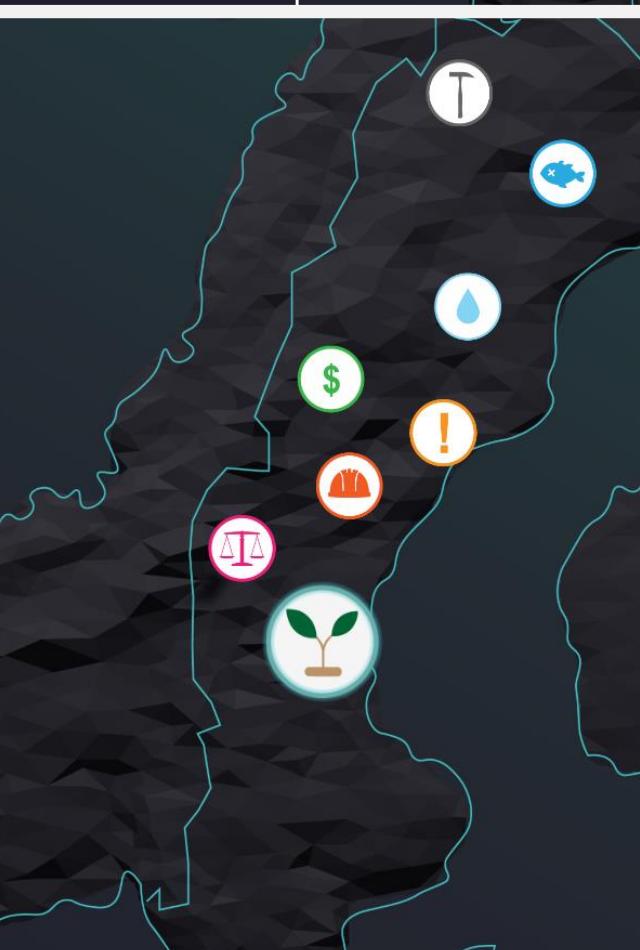
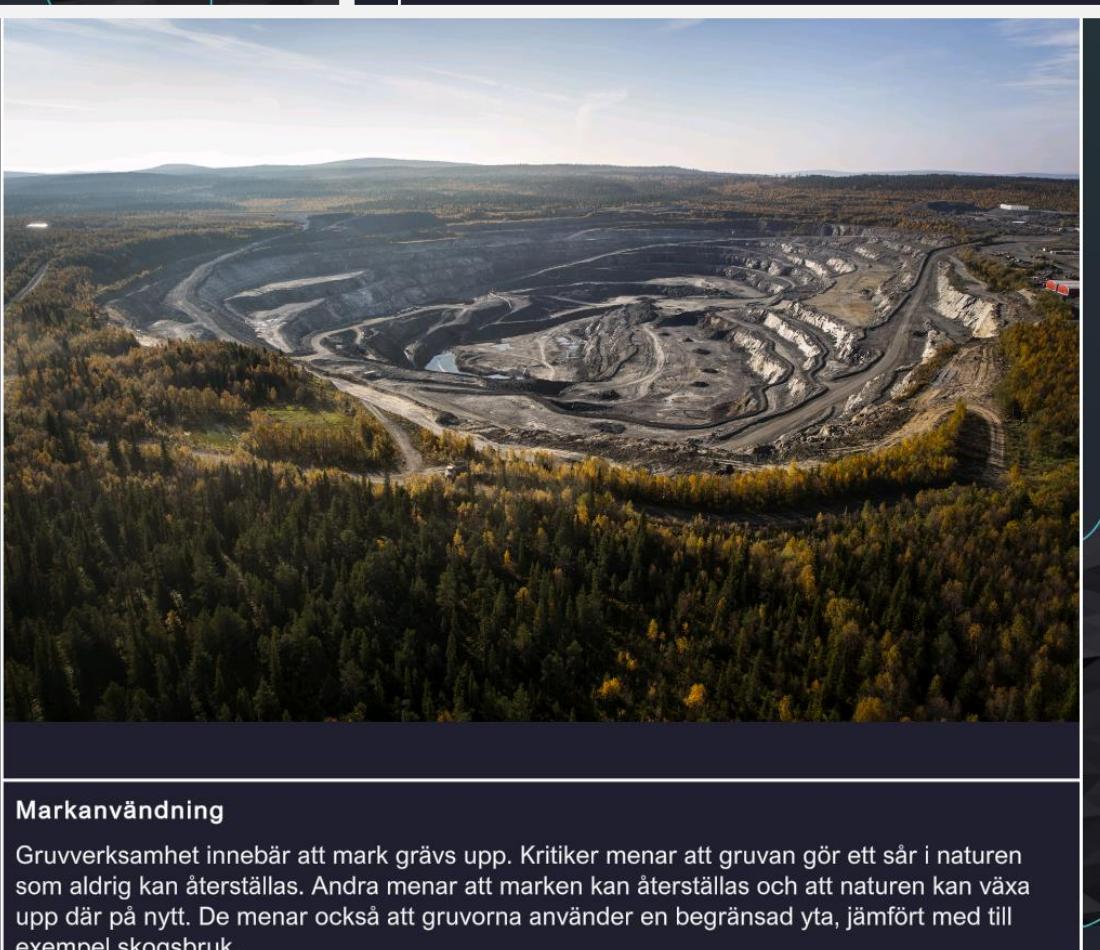
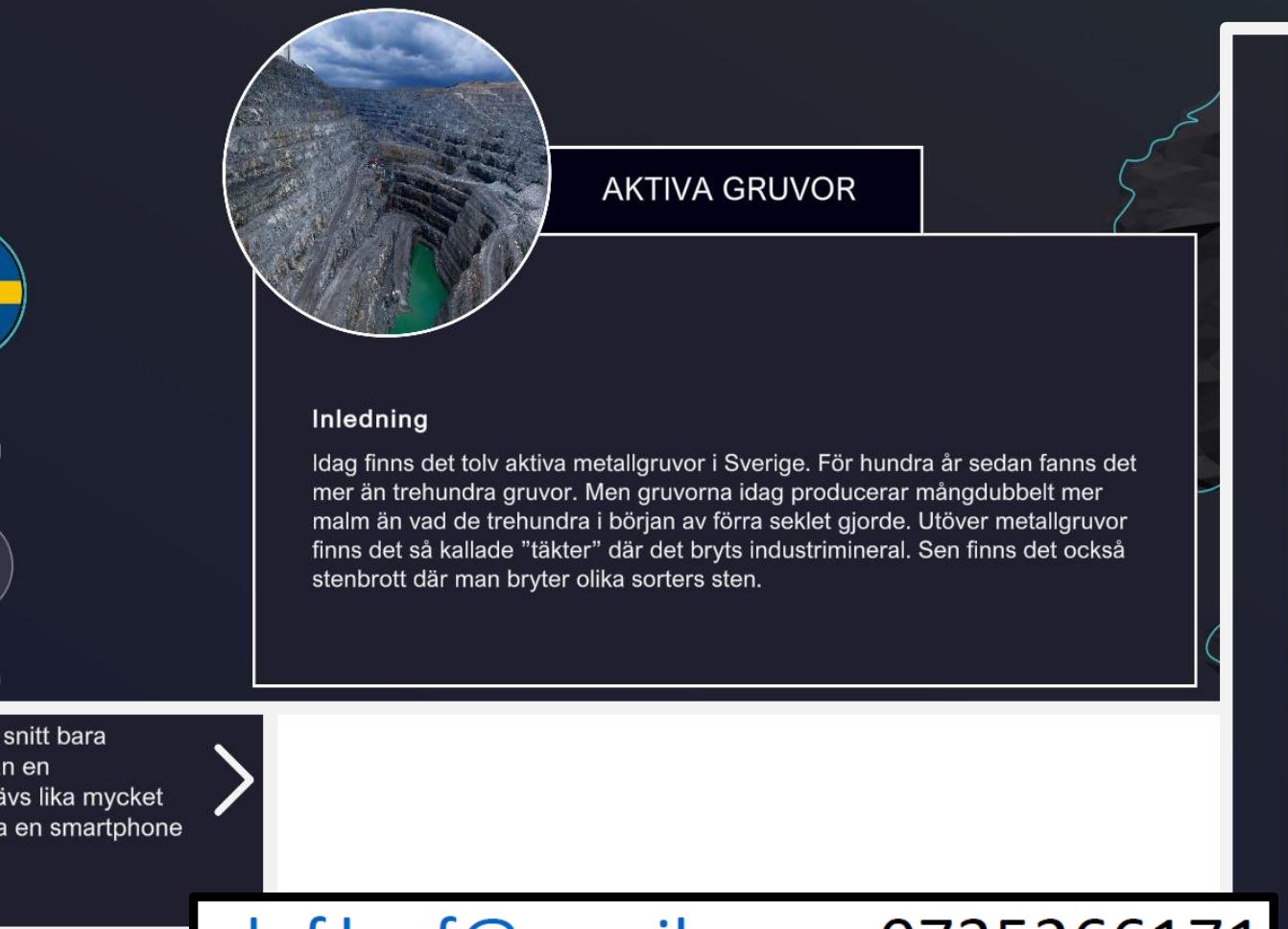


Translated to English

Hurray! from  
British Geological Survey.  
Presented @ “Raw  
Materials at Schools” / EIT  
Raw Materials (via  
SGU, Skellefteå, KTH mfl.).



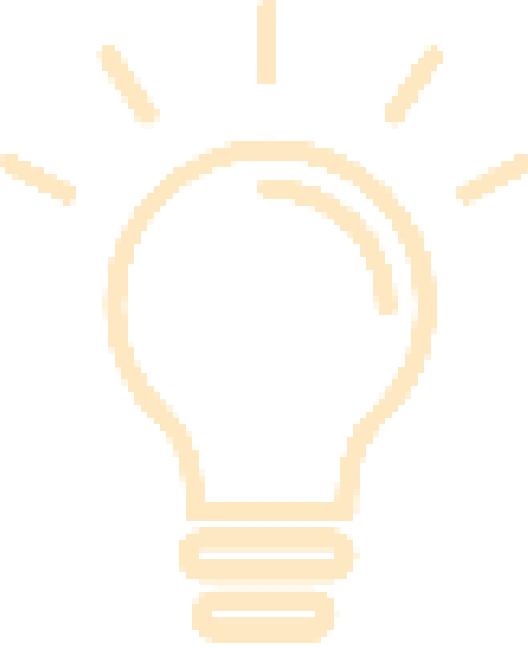
<https://bergskraftmetals4u.rocks/>



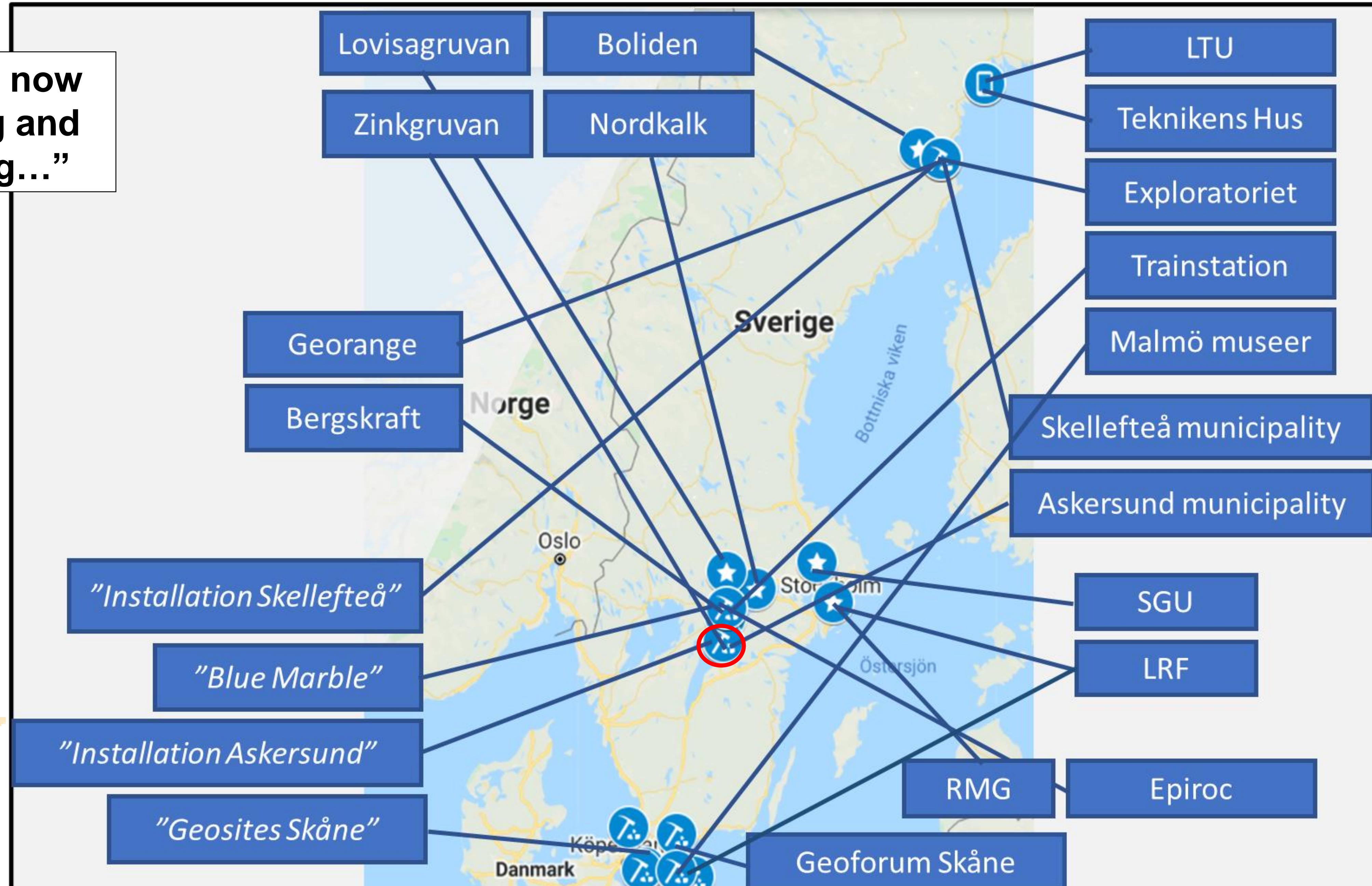
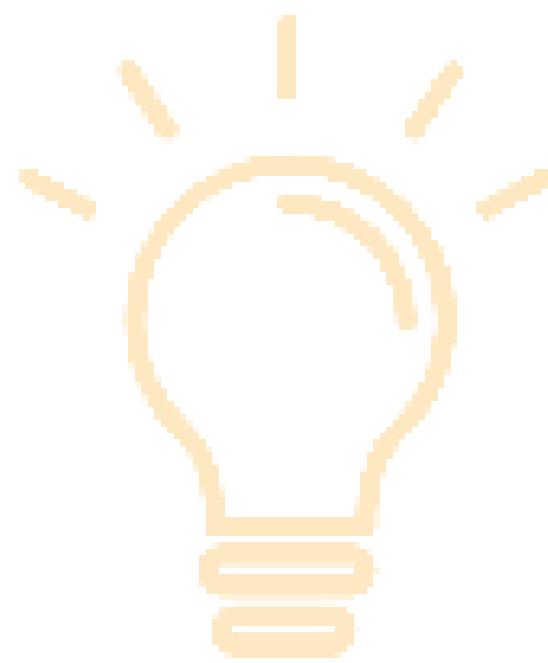
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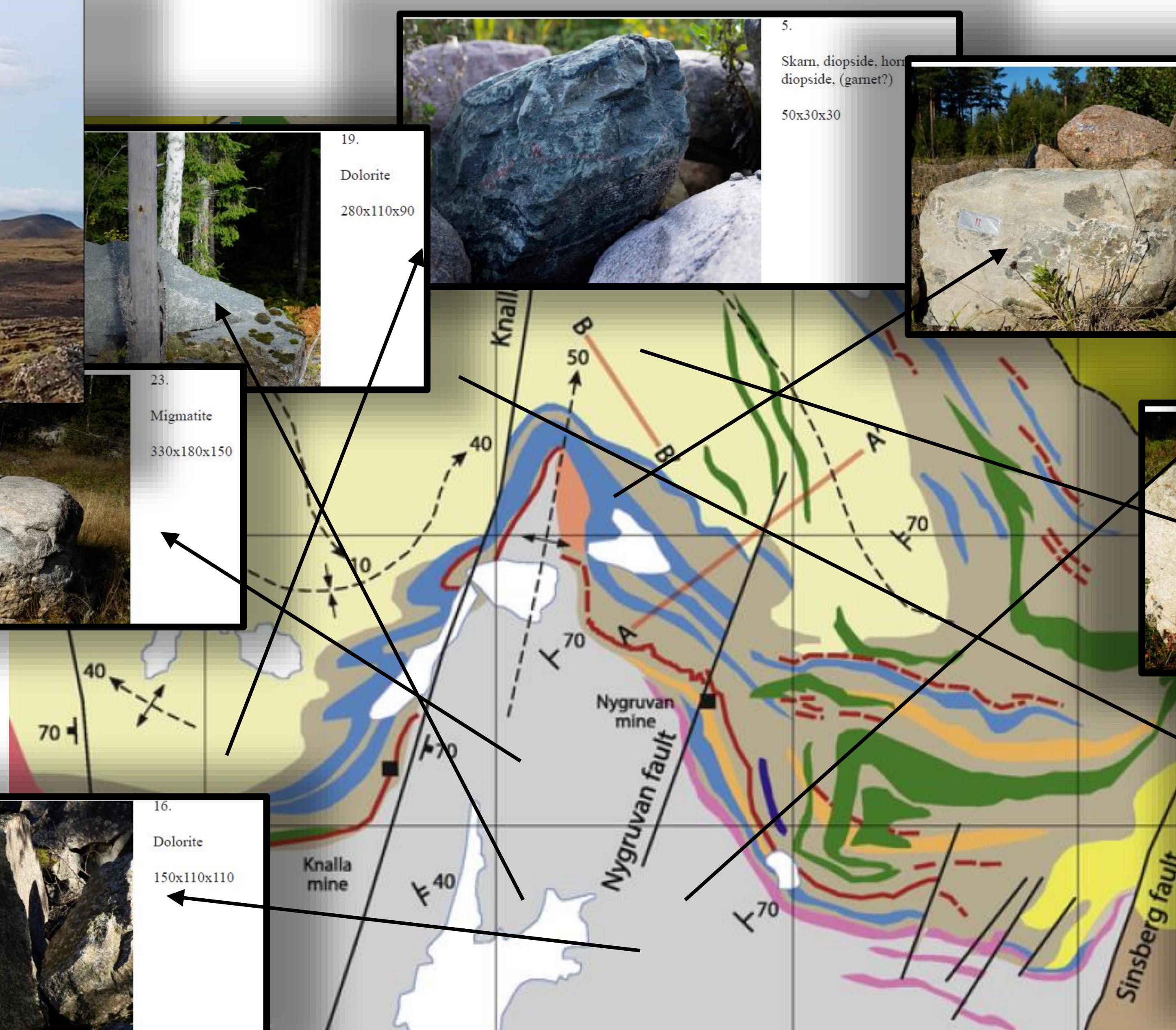
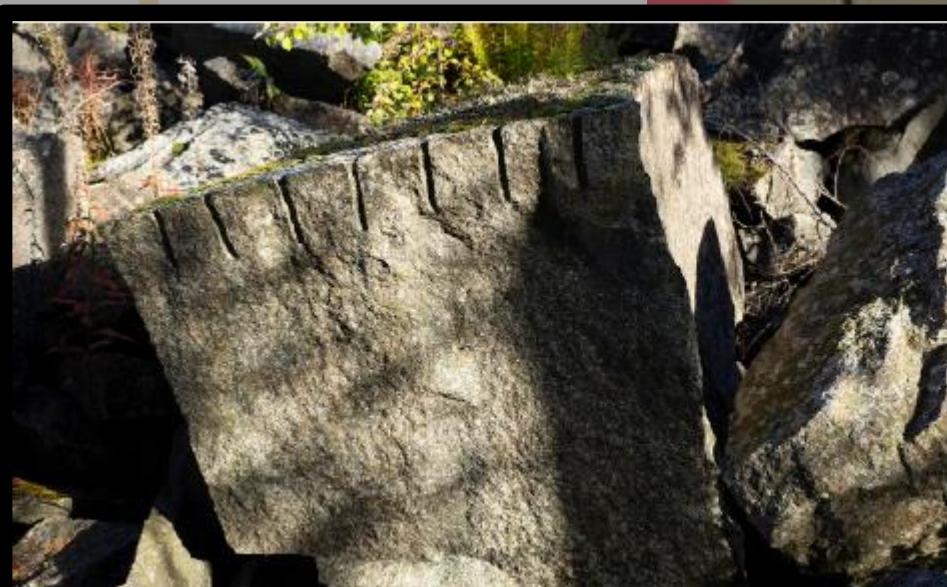
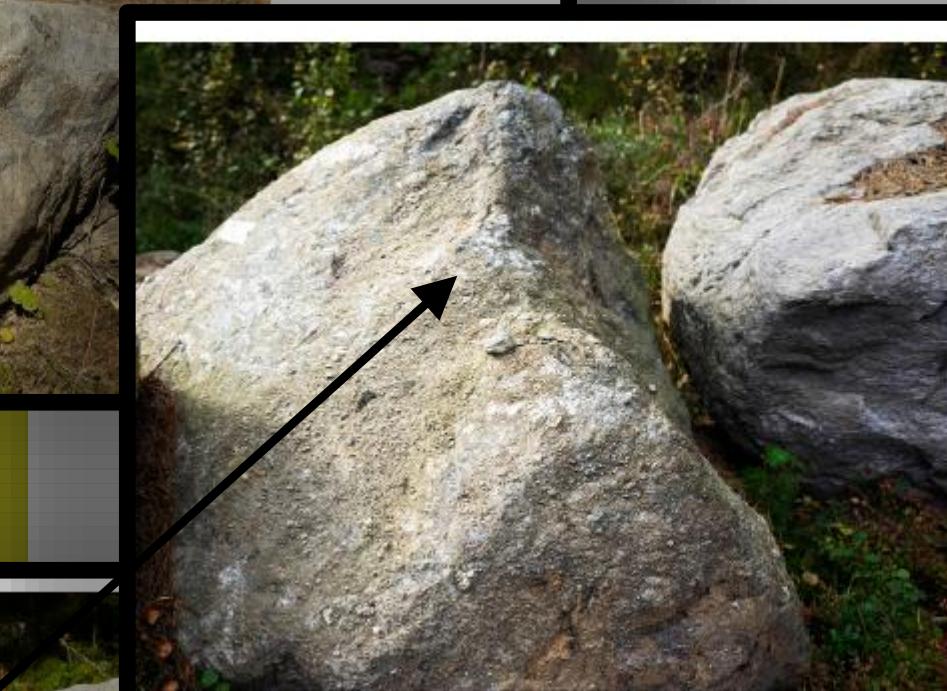
# Exhibition

Utställningen är anpassningsbar men behöver en yta på ca 20 m<sup>2</sup>

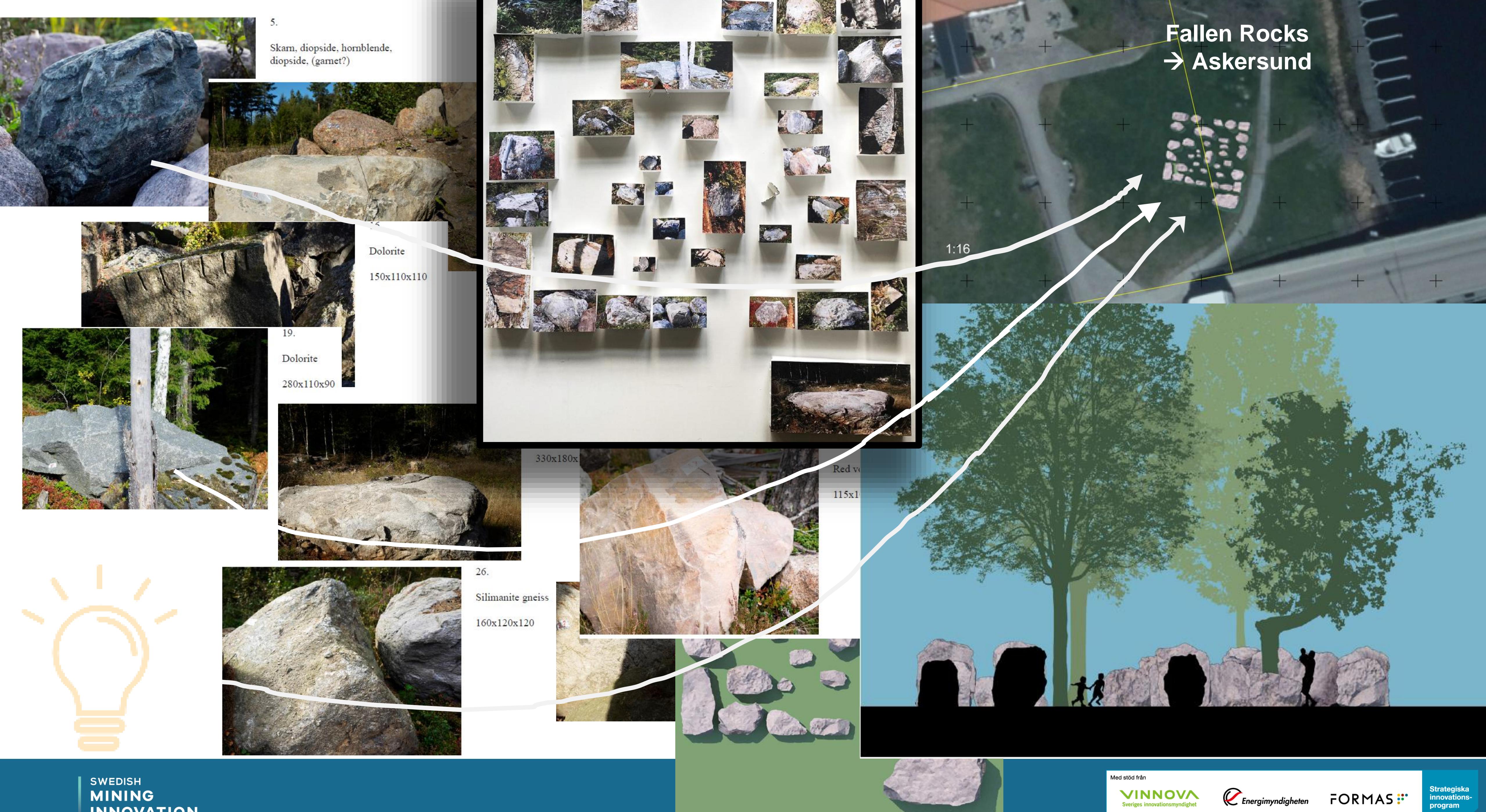


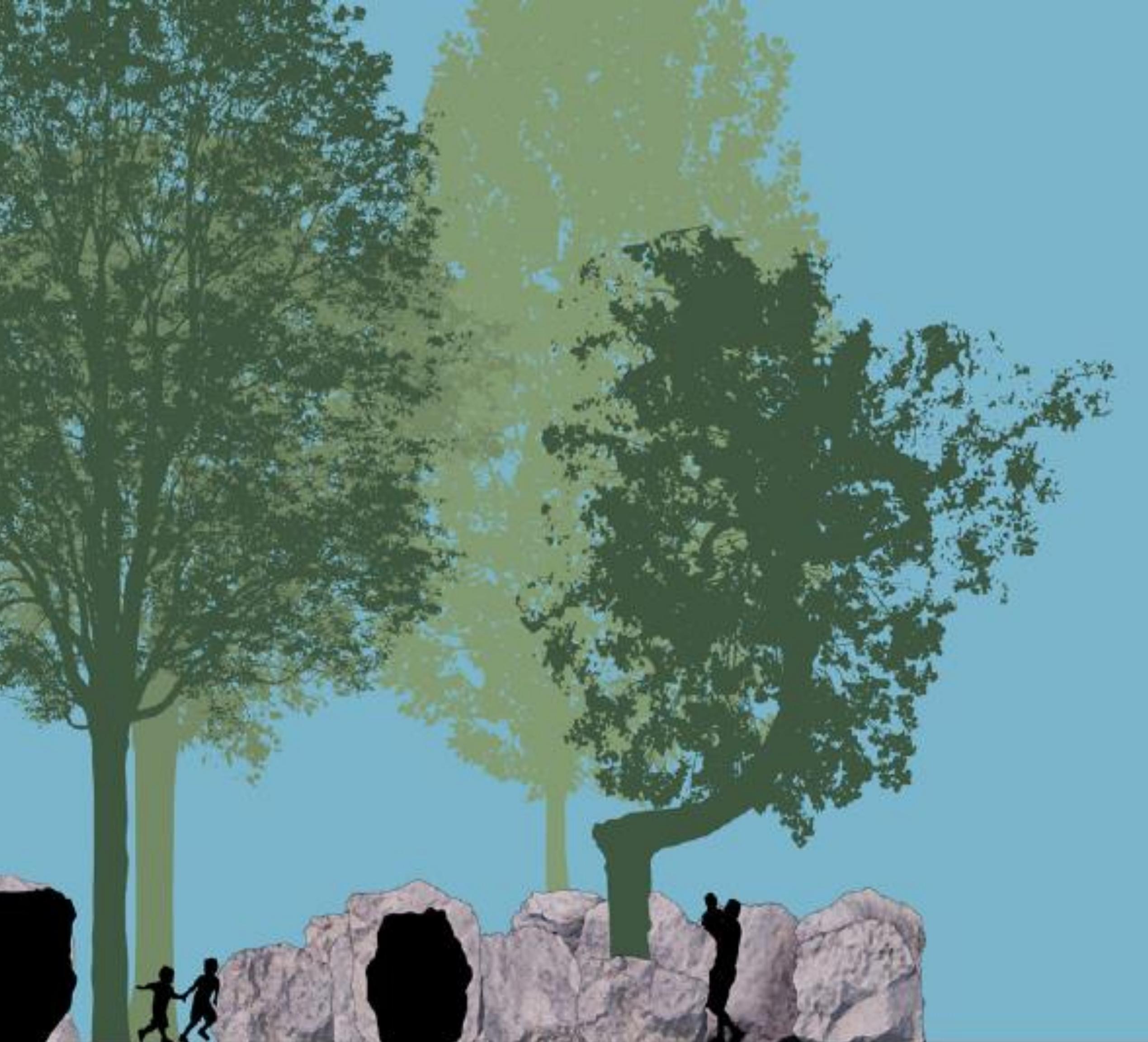
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# Fallen Rocks → Askersund





# Next Steps

Finalise and complement the installations:

- Fallen Rocks/ Askersund
- Exploratoriet/ Skellefteå, signs + Limestone/dolomite exhibition
- Teknikens Hus + Malmö Museer educator guidance

Create digital and analoge guides and information materials to installations

Translate the "M4U+ Mine Map" to English

After the project respective partner will own and maintain the installations.

Bergskraft will stimulate development of activities and "add on's" related to installations.

Bergskraft will provide access to and maintain the M4U+ information page@Bergskraft.se  
and the "M4U+ Mine Map"



**Thank You!**

# Mining innovation for a sustainable future