

FINAL SUMMARY – SIP STRIM PROJECTS

Project title (english): Mining and metals in the transition to a sustainable society – an exhibition about current facts and figures

Project title (swedish): Gruvor och metaller i omställningen till ett hållbart samhälle – en utställning om aktuella fakta och statistik

Project number (diarienummer): 2019-05166

Project start date: 2020-03-01

Project end date: 2020-08-31

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Project partners: Georange, SGU, LRF, Lovisagruvan, Teknikens Hus

The project's objectives and results

Awareness of where metals and minerals come from and how they are mined and produced is relatively low among the general public and not least among children and young people, whose future is strongly dependent on how we can solve energy and material supply in the future, while meeting climate goals. To increase awareness and knowledge about mining, permits, land use and how we can use our natural resources in a sustainable way, Metals4U has produced a description of what an exhibition about mines, metals and minerals should contain and how it should be designed to be interesting and available.

An attitude and knowledge survey on mineral and metal extraction was conducted. It forms the basis for the design of a continuation project to create environments that describe the mineral industry, the breadth of the industry and the connection to our everyday lives. With works of art that have a local connection to mining, it will be possible to create a stronger understanding of metals and minerals that we use and depend on. As a complement to the works of art, digital educational tools will be developed, and existing tools will be further developed and made available via a digital learning platform.

The project has mainly been carried out with video meetings, where the project group's representatives have been very involved. The composition of the group has been very meritorious and directly decisive for the project's development, as it has spanned several different areas in terms of knowledge and also in relation to how to look at the extraction of metals and minerals linked to other issues, such as land use. Project partners also played a vital role in the implementation of the survey, as it would have been difficult to realize without a fast and efficient network of contacts.

Future work

The projects consortia is planning for a full-scale innovation project within the SIP-STRIM 2020 call. In the full-scale project the work made in Metals4U will be implemented. The importance of future generations interest and ability to solve tomorrow's sustainable supply of materials for green energy capable of combatting climate change, and for safe and efficient extraction of metals and minerals

with concern taken to environment, reclamation and land use issues, is of greatest concern for the mining industry and needs to be addressed thereafter.

Publication and dissemination

No formal presentations of the pre-study so far. We have had project presentations at member meetings of Georange and Bergskraft and presentations one to one when preparing for an application for a full-scale project.