

FOR IMMEDIATE RELEASE

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Nordic Iron Ore AB, a mining partner of the Smart Exploration Project, will be hosting a team from the project to acquire a major 3D seismic data in the Blötberget mining area of Ludvika in central Sweden. Nordic Iron Ore is providing exploration site so that the project team can validate methods and technics that are being developed within the project. Moreover, the project team can work with new data to be able to compare with the legacy data available from the site.

The team will look for both lateral and depth extent of the mineralization beyond what is known today from boreholes and for improved mine planning purposes. The team has already suggested a possible depth extension of 1200 m beyond the known 800-850 m one from existing 2D profiles. This time the chase would be deeper and for its lateral extent and innovating new methods on such a dataset including acquisition setup.

A 3D seismic survey will be conducted to image the mineralization and its host rock in a cost-effective manner utilizing +1000 seismic sensors and receivers. New ways to retrieve virtual sources at places where actual source production is not possible will be developed and used to better target deep mineralization at Blötberget.

Nordic Iron Ore AB is a mining development company that aims to resume and develop iron ore production at Ludvika Mines in Blötberget and Håksberg and to develop the intermediate Väsman iron field. The Company has all the necessary permits in place for the mine in Blötberget and will be able to produce iron ore of the highest qualities from significant mineral resources.

The Smart Exploration project is designed to address the challenges associated with the exploration of mineral resources that are vital to the economy and technological progress within the EU. The project will mainly focus on the development of cost-effective, environmentally-friendly tools and methods for geophysical exploration in very challenging brownfield areas. The project has officially started on 1st of December 2017 and has a planned duration of 36 months. The project has been allocated a budget of just over € 5.2 million under grant agreement No. 775.971. More information about the project can be found at www.smartexploration.eu, [YouTube channel](#) and [LinkedIn](#).

Since this project is publicly funded, we have social duty to inform public and inspire young generations wherever and whenever possible. This is why, the project team has taken the opportunity to invite high school and gymnasium students on 8 and 10 May 2019. The students will experience at first hand and will to be introduced to technical disciplines. This will be a great moment to demonstrate how technical disciplines contribute to our modern lives. Several international guests will also take part in this outreach activity.

The project team gives also great importance to education. A special bootcamp is designed for Uppsala University students and a number of guest visitors from Africa who take part in this activity. They will be explained in detail how the survey works and will have opportunity to have hands-on experience. They will learn about the history of mining in the area and how this led to the foundation of today's Swedish modern society including steel-making and high-voltage power required for this.



SMART_EEXPLORATION

new ways to explore the subsurface

We invite potential visitors, public and from media to contact us prior to their visit so we can provide you with as best as information and guide possible. After this seismic survey, a series of UAV and helicopter-borne measurements will be followed. The main survey team during this period will be from NIO, Uppsala University, TUBAF, Geopartner, SGU, Amkvo and SkyTEM. EAGE will promote the project via its social media channels such as LinkedIn and Twitter.