

## FOR IMMEDIATE RELEASE

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Venue: Blötberget, 611, SE- 771 65 Ludvika  
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**Nordic Iron Ore and Seismic Mechatronics will perform a geophysical survey in the Ludvika area. During the survey, which is part of the EU funded Smart Exploration project, a new type of seismic source will be tested.**

Nordic Iron Ore AB is a mine 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 quality from significant mineral resources. The Blötberget and Håksberg iron oxide deposits are located in the historic Bergslagen Mining District where mining activities have been recorded since the 1600's. Modern underground mining at Blötberget began in the 1900's and ceased in 1979 due to low commodity prices. Nordic Iron Ore acquired the Ludvika mines property in 2008 advancing the property toward a restart with renewed exploration suggesting that mineralization may extend significantly deeper to over 1,000 m.

Seismic Mechatronics is a start-up (SME) company originated from high-tech industries such as the semiconductor industry. The company designs and builds electromechanical seismic sources that produce high-resolution images of the subsurface. Seismic Mechatronics offers the next generation in vibroseis systems for seismic data acquisition. Seismic Mechatronics will test a new type of seismic shaker machine in Blötberget. These seismic shakers are used to vibrate the ground and thus map the subsurface. An echo is made, similar to fishing with sonar. The new shaker is fully electric, making the images more accurate and clearer. This technique can be used, among other things, to detect faults and dikes or to find good locations for drilling for geothermal energy.

The project team promotes the importance to education. Uppsala University students will participate in the fieldwork as part of an applied geophysics field course. They will be explained in detail how the survey works and will have opportunity to have hands-on experience.

With public funding comes a social responsibility to inform public and inspire young generations wherever and whenever possible. This is why the project team is keen to invite the local community, students and civil society organizations to join the survey. This will be a great moment to demonstrate how technical disciplines contribute to our modern lives and would inspire young generation pursuing technical paths.

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. The main survey team during this period will be from NIO, Uppsala University, Seismic Mechatronics and Ludvika Kommun. EAGE will promote the project via its social media channels such as LinkedIn and Twitter.