Regional scale prospectivity analysis of Outokumpu mineral district

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Prospectivity of the well-known Outokumpu mineral district endowing several Early Proterozoic massive to semimassive Cu-Co-Zn-Ni-Ag±Au sulphide deposits is being analyzed spatially as part of developing Deep Exploration (DEX) methods and Common Earth Modeling (CEM) concept for Outokumpu type ore deposits.

The study is being carried out in 2013-2016 as a sub-task of the project Developing Mine Camp Exploration Concepts and Technologies (Brownfield exploration) funded by Tekes, GTK and companies operating in the Northern Karelia Region. The project is carried out by GTK and the Institute of Seismology, University of Helsinki. International collaboration is taking place with similar research projects in Canada, Sweden, and Greece.