



EIS

Exploration
Information
System

MAKING MINERAL EXPLORATION BETTER

An **EU-funded project** dedicated to securing **raw material resources** which are key for the delivery of the **European green deal**, energy transition and digital transition.



Funded by the
European Union

WHAT IS EIS?

Exploration Information System (EIS) is a 36-month Horizon Europe project that will **develop innovative exploration concepts and data analysis tools** to enhance the probability of **finding new sources of critical raw materials (CRM)** for the EU's economy.

PROJECT OBJECTIVES



DEVELOPING INNOVATIVE EXPLORATION TOOLS

EIS will develop the **“EIS Toolkit”** and the **“EIS QGIS Wizard”**. These tools will be open-source and will **provide critical information for the mining sector and geoscientists**.



REDUCING EXPLORATION AND MINING FOOTPRINTS

The tools developed by EIS aim to **reduce the impact of exploration and mining on nature**-making it more sustainable. It will **reduce exploration footprints** by using the existing exploration data.



RAISING AWARENESS TO THE GENERAL PUBLIC

EIS will **raise awareness** of the **importance of critical raw materials** to the EU's transition, economy, and welfare.

WHY IS THE EIS TOOL IMPORTANT?

1

It facilitates finding new targets for mineral exploration of CRMs

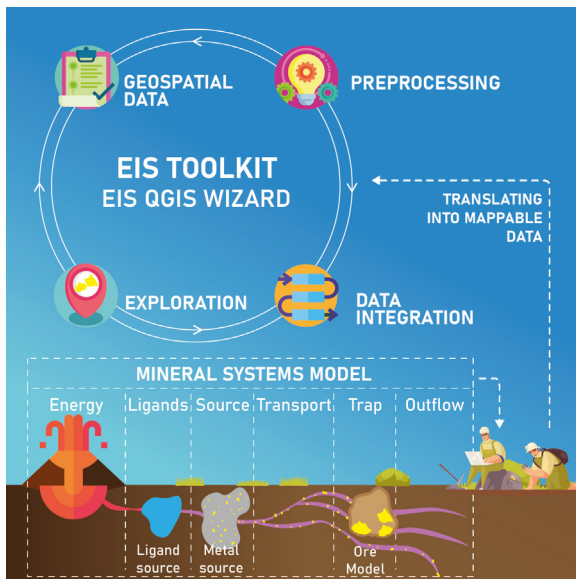
2

It enables making analysis results more consistent

3

It makes mineral predictive mapping openly accessible to the mining sector

WHAT IS THE METHODOLOGY USED?



In the preprocessing step, **data is transformed** to represent proxies to critical parameters of the mineral systems.

Pre-processed data is used as **input to predictive modelling** or other data analysis methods.

Model validation will test the performance of prospectivity mapping.

PARTNERS



PROJECT COORDINATION

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A Finnish research centre specialised in the
assessment and sustainable use of geological
resources.

GET IN TOUCH

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