



ONLINE PLATFORM DESIGNED TO ENABLE AND EXCHANGE ACCURATE
INFORMATION IN THE RAW MATERIALS INDUSTRY

Applications



Exploration

Utilise EO imagery and geological data to automatically map minerals across spatial scales.



Environment

Provide integrated monitoring of environmental impacts, including effects on vegetation, soil and ground water.



Production

Operations & Safety: enable the monitoring of key assets to support ongoing mining activities.



Prospecting

Reporting & Exploitation: enable the identification of promising ore occurrences and the assessment of mining tailings as potential secondary CRMs.

Technologies



AI Natural Language Processing

Engage with geospatial data via natural language queries.



AI Knowledge Packs

Modules streamlining data operations, enabling efficient handling and analysis of diverse datasets for informed decision-making.



Satellite Sensing

Satellite data offers numerous benefits, significantly improving operations, environmental monitoring, and exploration efforts.



Aerial Sensing

Drone imaging systems enabling mineral exploration and vegetation health monitoring, production, operation and safety applications.



Proximal Sensing

Enable the simultaneous mapping of rare earth minerals and their host minerals in drill core samples, as well as calibrate and demonstrate novel data products.



Funded by
the European Union

Field Trials

THE PLATFORM WILL BE DEMONSTRATED IN 6 FIELD TRIALS, CREATING A COMPELLING VALUE PROPOSITION FOR IMPLEMENTATION ACROSS THE MINING VALUE CHAIN AND IMPROVING THE RESPONSIBLE AND SUSTAINABLE SUPPLY OF CRMS.

Abrud, Romania (Cupru Min)

Cupru Min S.A. Abrud is the only producer in Romania, whose main activity is the extraction of non-ferrous ores, the preparation of copper ores and the valorization of copper concentrate and precious metals.

Aitik, Sweden (Boliden)

World's most productive open-pit Cu mine. Exploration, operation in open pits, closure of depleted areas, and active as well as closed tailing areas.

Barroso, Portugal (Savannah)

High-grade, low-iron lithium project, the biggest spodumene lithium discovery in Western Europe in recent years, and valid for sufficient lithium production for approximately 0.5 million vehicle battery packs per annum.

Kevitsa, Finland (Boliden)

Kevitsa is a multi metal mine operating in Northern Finland with activities in exploration, operation in open pits, closure of depleted areas, and active as well as closed tailing areas.

Sokli, Finland (Sokli)

Sokli represents a test site for mineral prospectivity mapping, drill core mapping and a site for integrated monitoring of environmental impacts.

Ukrainian Shield, Ukraine (GIUA)

Provides the G-RAM platform with access to the databases and electronic maps of critical minerals' occurrence with detailed characteristics and geospatial information as well as areas of mining activity and wastes accumulation sites (tailings and dumps) in Ukraine.

Consortium

SOKLI

SAVANNAH

 **CUPRUMIN**

BOLIDEN

