

# BOOSTING EU INTERREGIONAL COLLABORATION

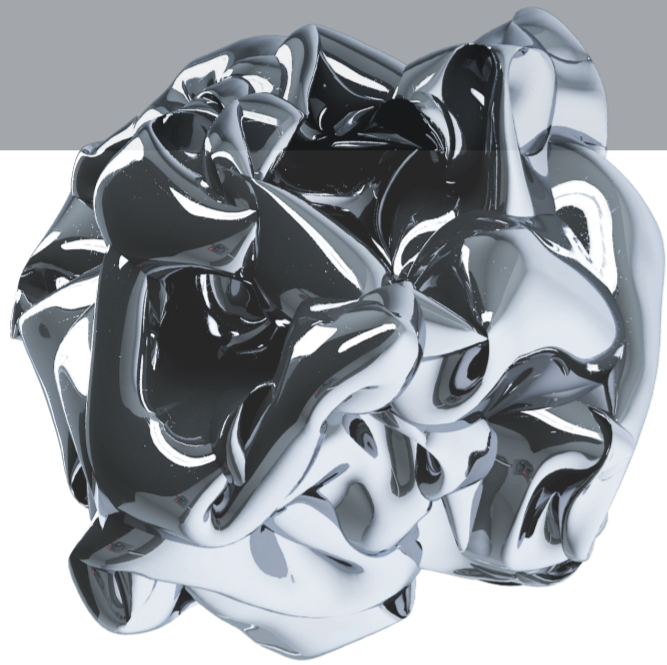
Making Mining Green, Circular and Sustainable



I4-GREEN is a complex project that intends to address key dimensions of sustainable interregional innovation investments.



INTERREGIONAL INVESTMENT  
FOR THE SUSTAINABLE SUPPLY  
OF RAW MATERIALS IN THE EU  
GREEN ENERGY TRANSITION



## OUR SUSTAINABLE MINING PILOTS CONCEPT

### WHY

Securing access to raw materials (RMs) is a crucial requisite for ensuring Europe's recovery, resilience and essential to maintaining and improving our environment and quality of life, while they are crucial to Europe's economy due to the current deep Raw Materials crisis.

### OBJECTIVES

- 1 I4-GREEN intends to create a solid interregional innovation ecosystem resulting from a partnership structured as an interregional innovation network hub to transfer advanced mining technology across EU regions.
- 2 I4-GREEN will generate a proof of concept for forefront sustainable and environmentally friendly processing recovery technologies with the possibility of generating a lighthouse of low environmental impact, incorporating circular economy strategies to guarantee the supply of minerals essential to meet the EU resilience and the EU Green Energy Transition.
- 3 I4-GREEN will generate an interregional-driven, systemic approach that will be used to promote technology transfer, new services and products into the targeted SMEs constituting the proposed pilots at time that benefit SMEs in the ecosystem through a series of cluster collaboration tools involving direct financial support and additional business services.
- 4 I4-GREEN aims to successfully implement 2 consolidated and profitable industrial pilots to drive the regional recovery, and capable of being replicated in other EU countries and regions, incorporating the necessary tools so that environmental and social sustainability is compatible with economic sustainability; incorporating the use of renewable energy, remediation technologies, recycling water and waste technologies, implementing automation and digitization of processes and incorporating logistics infrastructures that reduce the carbon footprint.

#### Pilot 1: Extremadura Region - Project Iron Holm Oak (IHO).

IRON HOLM OAK PILOT IS AN INDUSTRIAL-MINING PROJECT FOR THE RECOVERY OF CRITICAL MINERALS. THE VALUE PROPOSITION OF THE PROJECT IS THE RECOVERY OF ENDOGENOUS RESOURCES, INCORPORATING MODERN TECHNOLOGIES, UNDER HIGH CRITERIA OF ENVIRONMENTAL, SOCIAL AND ECONOMIC SUSTAINABILITY. IT IS RUN BY THE CONSORTIUM PARTNERS GEVORA AND LEONORA.

#### Pilot 2: Andalusia Region - Project on Rio Tinto - Atalaya Mining.

ATALAYA /LAIN TECH PILOT WILL INNOVATE WITH A SME-OWNED GREEN TECH TO EXTRACT STRATEGIC RAW MATERIALS (CU, ZN, CO AND PGMS) FROM LOW GRADE ORES. IT IS RUN BY THE CONSORTIUM PARTNERS ATALAYA AND LAIN TECH.



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[www.i3-i4green.eu](http://www.i3-i4green.eu)

### CONSORTIUM



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