

# CRITERIA

## CRITICAL raw maTERIAL treatment and recovery from mining tailings and waste dumps

The characterization of **tailing dams** and **waste dumps** for the **treatment** and subsequent **recovery** of **critical raw materials** is an actual priority concerning Eu member States. This activity is both linked to the purpose of the **remediation** of **old mining sites** for a new employment of the area and the **soil reuse** and to actually developing mining activities. The **CRITERIA** project will be dedicated to the geophysical characterization of tailing dams in order to organize the subsequent **excavation and treatment activities** with a view to a **circular economy** and with attention to **environmental aspects**.

### PROJECT DURATION

48 months

01/11/2024 - 31/10/2028

### PARTNER

- POLITECNICO DI TORINO (Coordinator)
- UNIVERSITA DELLA CALABRIA (IT)
- INSTITUTO SUPERIOR TECNICO (PT)
- KUNGLIGA TEKNISKA HOEGSKOLAN (SE)
- UNIVERSITAT POLITECNICA DE CATALUNYA (ES)
- MINERALI INDUSTRIALI SRL (IT)
- ATALAYA RIOTINTO MINERA SL (ES)
- IMHOIT SL (ES)
- CIRCULAR WATER TECHNOLOGIES AB (SE)

### FUNDING INSTRUMENT

MSCA Doctoral Networks 2023 – call  
HORIZON-MSCA-2023-DN-01

### BUDGET

Total funding: 3.370.730,40 €

Funding allocated to DIATI: 756.475,20 €

### POLITO and DIATI's role:

Politecnico di Torino – DIATI Coordinator  
Scientific Supervisor: Prof. Mariachiara Zanetti