



# A Sustainable Ecosystem for the Innovative Resource Recovery and Complex Ore Extraction



The XTRACT project introduces the novel concept of the Zero Emission Mine of the Future, developing and validating innovative microinvasive technologies for sustainable and decarbonised extraction

## TECHNOLOGIES

-  Mineral Classification Mastery
-  Revolutionary Waste Management
-  Ore Grade Assessment in Real-Time through Drill Monitoring
-  Sustainable Practices in Focus
-  Eco-Friendly Metal Recovery
-  Efficient Membrane Filtration
-  Airborne Geophysical-Electromagnetic System
-  XTRACT Reconfigurable UAV System
-  Comprehensive Mine Mapping
-  Tailings Content Assessment
-  Optimised Drilling Performance
-  Electrodialysis and Processability Index
-  Novel Phytoextraction and Phytoremediation Solutions

## PROJECT FACTS

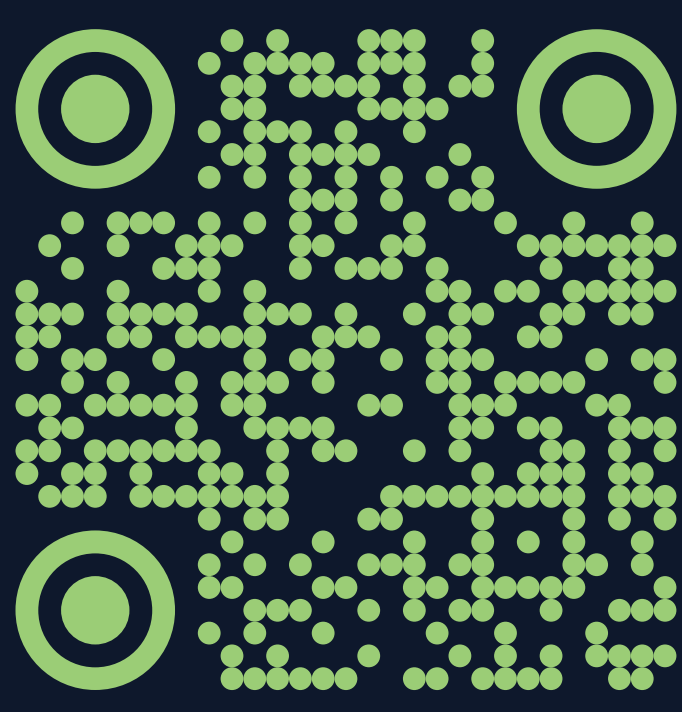
- Funding Programme: Horizon Europe
- Duration: 36 months
- Start Date: December 1st, 2023
- Total cost: 4.995.636€
- XTRACT Coordinator: Technische Universitaet Bergakademie Freiberg (TUBAF)

## CONNECT

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## PILOTS

Pilot 1  
Tellerhäuser  
Germany



Pilot 2  
Björkdal  
Sweden

Pilot 3  
São Domingos  
Portugal

Pilot 4  
Lavrion  
Greece

## CONSORTIUM



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