TECNICAS REUNIDAS

INTEGRATED INNOVATIVE METALLURGICAL SYSTEM TO BENEFIT EFFICIENTLY POLYMETALLIC, COMPLEX AND LOW GRADE ORES AND CONCENTRATES

PROJECT FACT SHEET

INTMET

Open call	H2020
Funding body	EUROPEAN COMMISSION
Duration	2016-2018
Budget	€7,800,000
Partners	

PROJECT DESCRIPTION

Joint development of an ore concentration process and a novel hydrometallurgical process, which, together with improved purification techniques, will make it possible to exploit low-grade or polymetallic ores. The process will centre on the recovery of copper, zinc and lead, along with other minor metals such as silver, cobalt and indium.

SCOPE OF TR'S WORK

Extraction and deposition of copper and zinc

Develop a process based on solvent extraction technology that will selectively and sequentially extract copper and zinc, and will also be compatible with the presence of other metals as impurities.

Recovery of metals from leach waste

Develop a technology to recover lead, silver and other metals of interest from the leach waste of low-grade or polymetal concentrates. Ecolead® technology, which has already been tested on other substrates, will be tested along with extraction using MSA. Lastly, the recovery of critical metals such as indium, cobalt and antimony will be addressed.

Pilot plant design and operation

Design a pilot plant to demonstrate the effectiveness of the process. The results obtained at the pilot plant will be compared in terms of efficiency, cost, ease of operation and environmental impact.