



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

PROJECT DESCRIPTION

It is a research for a joint development of an ore concentration process and a novel hydro-metallurgical process, which, together with improved purification techniques, will make it possible to exploit low-grade or polymetallic ores. The process will focus 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

To develop a process which is 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

To 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 undertaken.

Pilot plant design and operation

To design a pilot plant to demonstrate the effectiveness of the process, the results from which will be compared assessed in terms of efficiency, cost, ease of operation and environmental impact.