

ION4RAW

Ionometallurgy of primary sources for an enhanced raw materials recovery

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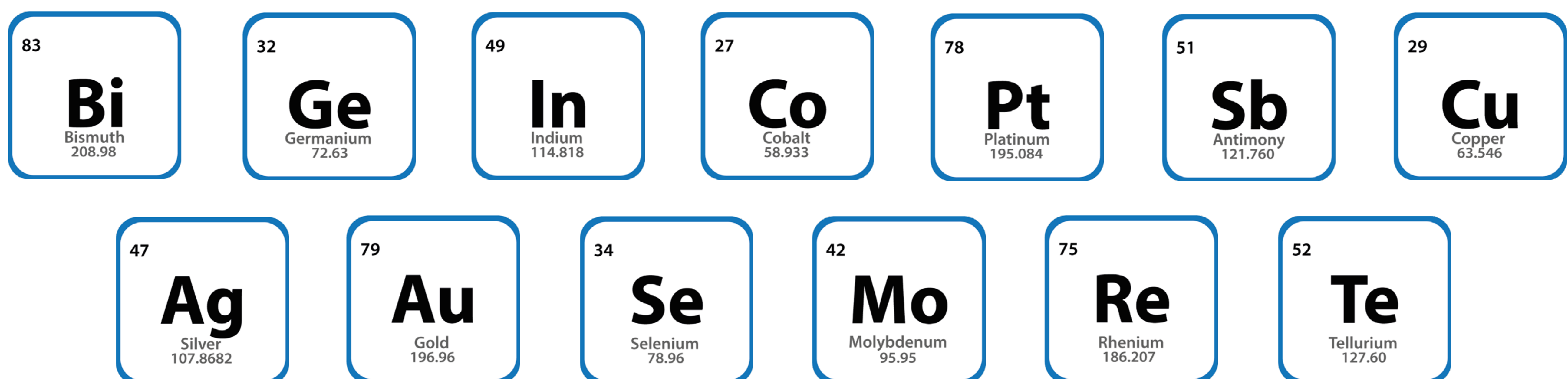
ION4RAW H2020



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ION4RAW project proposes a new energy-, material- and cost-efficient mineral processing technology to recover by-products from primary sources by means of innovative Deep Eutectic Solvent (DES) ionic liquids and an advanced electrochemical process for metal recovery as an only step.

A joint recovery of by-products from primary sources which belong to the Cu-Ag-Au group is proposed. Most of the targeted by-products elements are **Critical Raw Materials** as well as accompanying major product metals.



Coordinated by IDENER, the technical feasibility of this concept is supported by the TRL 2-3 accomplished so far by the project partners. ION4RAW aims to reach TRL 5 by implementing a process prototype at TECNALIA (TEC) facilities and validating it using real primary samples provided by Scotgold Resources (SG), Cumbres Exploraciones S.A.C. (CUM) and Cobre las Cruces and OroValle Minerals as part of the External Expert Advisory

13
PARTNERS

8
COUNTRIES

48
MONTHS



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