VTT’s Raw Materials Commitment
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RMC: Metal recovery from low grade ores and wastes

International collaboration, NEW PARTNERS
Multidisciplinarity Resource wisdom

I Technology pillar
I.B. Priority area: Technologies for primary and secondary raw materials’ production
Action area nº I.4: Processing and refining of raw materials

OBJECTIVES

• To improve recovery of metals from low grade ores and industrial residues
• To improve resource efficiency in downstream processing

ACTIVITIES

• Hydrometallurgical process development for leaching of metals from low grade ores and industrial residues
• REE recovery
• Bioleaching of phosphorus from non-conventional resources
• Bioprocessing
• Metals recovery from tailings and complex sources
• Water recycling in hydrometallurgical processes

IMPACTS

• Resource efficiency
• Supply of metals from unconventional resources
• Valorization of waste materials
• New value chains and business creation

EIP, KIC, SPIRE, ERECON, ERAMIN, CRM Innonet, Green Mining Program