

## 2014 - ERA-MIN Joint Call on Sustainable Supply of Raw Materials in Europe

Sub-topic areas	Project acronym	Project title	Participating Institutions	Duration	Total Costs	Funding granted
Recycling of mining and smelting residues (incl. historical dumps and tailings)	<b>AMDREY</b> <a href="#">ERA-MIN project catalogue</a>	Extraction of Earth Elements from Acid Mine Drainage	<ol style="list-style-type: none"> <li>1. Agencia Estatal Consejo Superior de Investigaciones Científicas (Spain) - Coordinator</li> <li>2. Institut de Chimie Séparative de Marcoule (France)</li> <li>3. University of the Free State (South Africa)</li> <li>4. Universidad de Huelva (Spain)</li> <li>5. Oy Chemec Ab (Finland)</li> </ol>	2 years (2015-2016)	€972.500	€830.140
Metallurgy	<b>BOFLUX</b> <a href="#">ERA-MIN project catalogue</a>	Characterisation of the impact, boron addition has on the physical and smelting properties of chromite slag	<ol style="list-style-type: none"> <li>1. Mintek (South Africa) - Coordinator</li> <li>2. Ab Etiproducts Oy (Finland)</li> <li>3. Siyanda Chrome Smelting Company Pty Ltd (South Africa)</li> </ol>	18 months (2015-2016)	€269.500	€221.925
Extraction, Minerals processing, Mine closure and rehabilitation, Recycling of mining and smelting residues (incl. historical dumps and tailings)	<b>ENVIREE</b> <a href="#">ERA-MIN project catalogue</a>	ENVIRONMENTALLY friendly and efficient methods for extraction of Rare Earth Elements from secondary sources	<ol style="list-style-type: none"> <li>1. Chalmers University of Technology (Sweden) - Coordinator</li> <li>2. AGH/AGH UST University of Science and Technology/Akademia Górniczo-Hutnicza im. Stanisława Staszica w Krakowie (Poland)</li> <li>3. Alexandru Ioan Cuza University (Romania)</li> <li>4. Associação do Instituto Superior Técnico para a Investigação e Desenvolvimento (Portugal)</li> <li>5. Karlsruhe Institut für Technologie (KIT) (Germany)</li> <li>6. Primus.inter.pares AS (Norway)</li> <li>7. Commissariat A L Energie Atomique et Aux Energies Alternatives (France)</li> <li>8. EDM - Empresa de Desenvolvimento Mineiro, S.A. (Portugal)</li> <li>9. Council for Geoscience (South Africa)</li> <li>10. Savona Project SP. Z O.O. (Poland)</li> <li>11. Bureau de Recherches Géologiques et Minières (France)</li> </ol>	3 years (2015-2017)	€2.481.175	€1.822.371
Extraction, Minerals processing, Metallurgy, Recycling of mining and smelting residues (incl. historical dumps and tailings), Metallurgical extraction	<b>EXTRAVAN</b> <a href="#">ERA-MIN project catalogue</a>	Innovative extraction and management of vanadium from high vanadium iron concentrate and steel slags	<ol style="list-style-type: none"> <li>1. Swerea MEFOS (Sweden) - Coordinator</li> <li>2. Mustavaaran Kaiivos Oy (Finland)</li> <li>3. Bureau de Recherches Géologiques et Minières (France)</li> </ol>	2 years (2015-2016)	€1.203.234	€829.912

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Exploration, Extraction, Minerals processing, Metallurgy	<b>NewOres</b> <a href="#">ERA-MIN project catalogue</a>	Development of New models for the genesis of Rare Metal (W, Nb, Ta, Li) Ore deposits from the European Variscan Belt and valorization of low grade and fine grained ore and mine tailings	<ol style="list-style-type: none"> <li>1. Université de Lorraine (France) - Coordinator</li> <li>2. Sojitz Beralt Tin &amp; Wolfram S.A. (Portugal)</li> <li>3. Fundação Faculdade de Ciências, Universidade de Lisboa (Portugal)</li> <li>4. Faculdade de ciencias da Universidade do Porto -FCUP (Portugal)</li> <li>5. Université d'Orléans (France)</li> <li>6. Laboratório Nacional de Energia e Geologia-LNEG Lisboa (Portugal)</li> </ol>	3 years (2015- 2017)	€1.818.244	€451.344
Recycling of mining and smelting residues (incl. historical dumps and tailings), Substitution of critical materials for green energy technologies	<b>RAREASH</b> <a href="#">ERA-MIN project catalogue</a>	Assessment of Possible Recycling Directions of Heavy & Rare Metals Discovered from Combustion Waste Products	<ol style="list-style-type: none"> <li>1. Research Centre for Environmental Protection and Eco-Friendly Technologies (CPMTE) from University Politehnica Bucharest (UPB) (Romania) - Coordinator</li> <li>2. Constantin Brancusi University of Targu Jiu (Romania)</li> <li>3. Faculdade de Ciências da Universidade do Porto (Portugal)</li> <li>4. Główny Instytut Górnictwa (Central Mining Institute) (Poland)</li> <li>5. LIPOR (Portugal)</li> <li>6. Complexul Energetic Oltenia S.A. (Romania)</li> <li>7. Przedsiębiorstwo Produkcyjno Handlowe "ADW" Sp. z o.o. (Poland)</li> </ol>	3 years (2015- 2017)	€1.093.249	€1.068.259
Exploration, Extraction	<b>StartGeoDelineation</b> <a href="#">ERA-MIN project catalogue</a>	State-of-the-art geophysical and geological methods for delineation of mineral deposits and their associated structures – Sweden and Finland	<ol style="list-style-type: none"> <li>1. Uppsala University (Sweden) - Coordinator</li> <li>2. Nordic Iron Ore (Sweden)</li> <li>3. Yara (Finland)</li> </ol>	3 years (2015- 2017)	€926.798	€451.300