

## 2015 - 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
Exploration	<b>HITEM</b> <a href="#">ERA-MIN project catalogue</a>	Highly sensitive receiver for measuring transient electromagnetic responses in Exploration for deep buried mineral occurrences	<ol style="list-style-type: none"> <li>1. Supracon AG (Germany) - Coordinator</li> <li>2. BroadBand Geophysical (Pty) Ltd (South Africa)</li> <li>3. Leibniz Institute of Photonic Technology (Germany)</li> <li>4. Drillcon SMOY (Finland)</li> </ol>	3 years (2016-2019)	€ 1.435.000	€ 699.000
Exploration; Extraction	<b>COGITO-MIN</b> <a href="#">ERA-MIN project catalogue</a>	COst-effective Geophysical Imaging Techniques for supporting Ongoing MINeral exploration in Europe	<ol style="list-style-type: none"> <li>1. University of Helsinki (Finland) – Coordinator</li> <li>2. Institute of Geophysics, Polish Academy of Sciences (Poland)</li> <li>3. Geological Survey of Finland (Finland)</li> <li>4. Vibrometric Oy (Finland)</li> <li>5. Boliden Kylylahti Oy (Finland)</li> <li>6. Geopartner Sp. z.o.o. (Poland)</li> </ol>	3 years (2016-2018)	€ 2.017.200	€ 1.227.400
Extraction; Mine closure and rehabilitation; Minerals processing	<b>REMinE</b> <a href="#">ERA-MIN project catalogue</a>	Improve Resource Efficiency and Minimize Environmental Footprint	<ol style="list-style-type: none"> <li>1. Luleå University of technology (Sweden) - Coordinator</li> <li>2. National Institute for Metals and Radioactive Resources (INCDMRR) Romania</li> <li>3. Porto University (Portugal)</li> </ol>	3 years (2016-2019)	€ 1.021.207	€ 871.056

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Extraction; Mine closure and rehabilitation; Recycling of mining and smelting residues (incl. historical dumps and tailings)	<b>BIOCriticalMetals</b> <a href="#">ERA-MIN project catalogue</a>	Recognition of microbial functional communities and assessment of the mineralizing potential (bioleaching) for high-tech critical metals	<ol style="list-style-type: none"> <li>1. University of Coimbra (Portugal) - Coordinator</li> <li>2. University of Porto - Engineering Faculty (Portugal)</li> <li>3. National Research and Development Institute for Nonferrous and Rare Metals (Romania)</li> <li>4. National Institute of Research and Development for Biological Sciences (Romania)</li> <li>4. Universidad Nacional de San Luis (Argentina)</li> <li>5. EDM- Empresa de Desenvolvimento Mineiro (Portugal)</li> <li>6. Sojitz Beralt Tin and Wolfram S.A. (Portugal)</li> <li>7. Geoplano, S.A. (Portugal)</li> <li>8. G.T INGENIERIA S.A. (Portugal)</li> <li>9. Direction de Minería de la Provincia de San Luis (Argentina)</li> <li>10. Comision Nacional de Energia Atomica (Argentina)</li> </ol>	3 years (2016-2019)	€ 573.267	€ 549.694
Recycling; batteries, ionic liquids; liquid-liquid extraction	<b>BATRE-ARES</b> <a href="#">ERA-MIN project catalogue</a>	Battery Recycling – Achieving Rare Earth Separation	<ol style="list-style-type: none"> <li>1. LEPMI (France) - Coordinator</li> <li>2. University of Aveiro (Portugal)</li> <li>3. GSCOP (France)</li> <li>4. Recupyl (France)</li> </ol>	3 years (2016-2019)	€ 608.151	€ 428.228
Substitution of critical materials for green energy technologies	<b>CHARPHITE</b> <a href="#">ERA-MIN project catalogue</a>	Coal char as a substituting material of natural graphite in green energy technologies	<ol style="list-style-type: none"> <li>1. University of Porto (Portugal) – Coordinator</li> <li>2. University Politehnica Bucharest (Romania)</li> <li>3. REQUIMTE (Portugal)</li> <li>4. CONICET &amp; University of Buenos Aires (Argentina)</li> <li>5. University "Constantin Brancusi" of Targu Jiu (Romania)</li> <li>6. CENTRAL MINING INSTITUTE (Katowice, Poland)</li> <li>7. CARBO-GRAF SP. Z O.O. (Poland)</li> <li>8. University of Johannesburg (South Africa)</li> <li>9. Pegop – Energia Eléctrica, S.A. (Portugal)</li> </ol>	3 years (2016-2019)	€ 903.838	€ 770.451