

EUROMAT 2019 / Raw Materials

SYMPOSIUM: 1

Title: Critical Raw Materials for a Sustainable Future		
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Abstract		
<p>The successful transition into a prosperous future requires new technologies and a paradigm shift in the use of raw materials towards a circular, sustainable economy. Critical raw materials are indispensable for an environmentally and socially acceptable world-wide access to energy, information, and new forms of mobility. Given the variety of interplaying factors including geological, technical and economic aspects, however, these materials can bear a high supply risk. Where such supply risks exist or availability may be accompanied by environmental, social or other harmful impact, future supply and demand strategies of these materials have to be considered. Economical allowances on market instabilities and price volatilities are of importance, but also considerations about geopolitical, legislative and other supply-chain related uncertainties.</p> <p>The symposium welcomes (i) contributions related to Raw Materials availability and economic mechanisms, (ii) research aiming at improving knowledge on resource stocks and flows and related approaches targeting an increased transparency along the materials supply chain, and (iii) strategies on recycling, substitution, as well as product design and other methods towards an increased materials efficiency.</p>		