

Critical Metals For Future Sustainable Technologies



Start:

1st of September 2008

End:

31st of July 2009

Division:



[Resources & Transport](#)

Description:

UNEP DTIE has commissioned Öko-Institut e.V. in August 2008 to carry out a funding project entitled “Critical metals for future sustainable technologies and their recycling potential” in line with the activities agreed on in the Grant signed between UNEP and the European Commission and in relation to UNEP’s work on Sustainable Innovation. Basis for this study regarding contents is UNEP’s ToR “Proposal of sustainable innovation and technology transfer, industrial sector studies, including final draft Terms of Reference: Critical metals for future sustainable technologies and their recycling potential.” The focus of this study lies on future sustainable technologies such as renewable energies and energy efficient technologies which will make use of Indium (In), Germanium (Ge), Tantalum (Ta), PGM (platinum group metals such as Ruthenium (Ru), Platinum (Pt) and Palladium (Pd)), Tellurium (Te), Cobalt (Co), Lithium (Li), Gallium (Ga) and RE (rare earths) and other ‘high tech metals’, also classified as ‘green minor metals’ which are the basis for cleaner technology innovation. The first objective is to analyse in depth the global availability and expectations for the development of the critical metals' demand, supply and prices. Secondly, the study focuses on the comprehensive analysis of their recycling potential and moreover the study will explore favourable framework conditions for critical metals recycling systems.

Link:

<http://www.unep.fr/scp/publications/details.asp?id=D>

Authors involved:

[TI/1202/PA](#)
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Publications List

[Presentations](#)

[Critical metals for future sustainable technologies and their recycling potential](#)
Bleher, D., Buchert, M., 2009