



Case study:  
**Raw  
Materials  
Scanner**

A user friendly, web-based prototype enabling sustainability risk assessments of raw materials in complex supply chains

# Case study:

# Raw Materials Scanner

Users of metals and mineral materials face growing supply chain risks. Companies are therefore increasingly interested in assessing what sustainability risks their supply chain may be facing. To do this EY supported the development of the Raw Materials Scanner ("Grondstoffenscanner"), a user friendly, web based application that provides users with key indicators regarding raw materials and solutions to reduce identified risks.



## Clients' challenge

At present, there is an increasing global interest in raw materials, especially rare-earth minerals, and their availability for the coming decades. A recent study of TNO provided insight regarding the extent to which the Dutch economy

is dependent on the availability of 64 abiotic raw materials (minerals and metals).

The Dutch Ministry of Economic Affairs therefore wanted to raise the awareness of the supply chain risks that companies actually face regarding their purchases. They also wanted to know how the materials 'score' on selected key indicators such as availability and recycling rate.

EY was invited to join a consortium of parties to develop a web-based prototype to support Small & Medium Enterprises with the appropriate information.



## Approach

EY (together with other organizations including TNO, CML, NEVI and HCSS), was responsible for executing a business engagement process that assessed the needs of future users. Based on these

interviews, EY helped to develop a user friendly web-based prototype with searchable factsheets for 2,500 product groups and 64 raw materials.

These factsheets contain information such as the availability, price volatility and risks relating to raw materials and product groups. The Raw Materials Scanner also provides perspectives on various approaches to mitigate these supply chain risks.



## Added value

The 'Raw Materials Scanner' provides its users with relevant information to assess and improve supply chain risks related to materials scarcity. It therefore provides a decision platform for Dutch SME's to build more resilient and sustainable supply chains and ensure the sustainable use of raw materials.

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