

Santiago, 2nd of November 2022, Foro Chileno-Alemán de
Mínería y recursos minerales

German Raw Materials Policy

Current challenges and opportunities for cooperation

Dr. Peer Hoth, Federal Ministry for Economic Affairs and Climate Action

Global Challenges in Raw Material Supply



**Future technologies
change the raw
material demand**



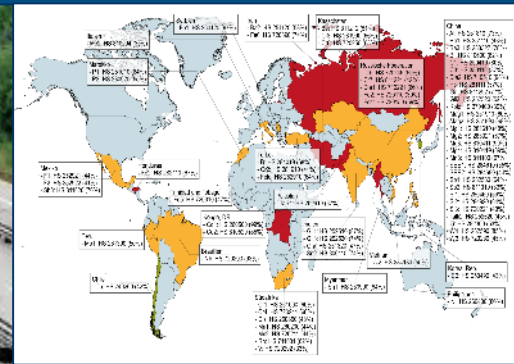
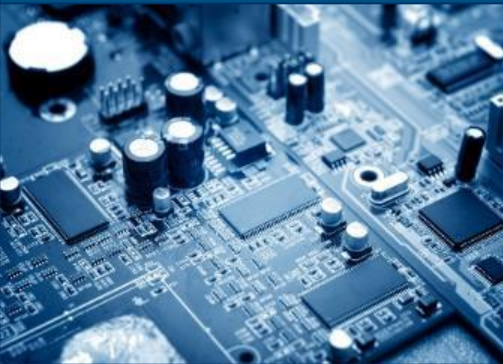
**Increasing demand due
to an increasing
population**



**Shortages in the supply
with domestic raw
materials**

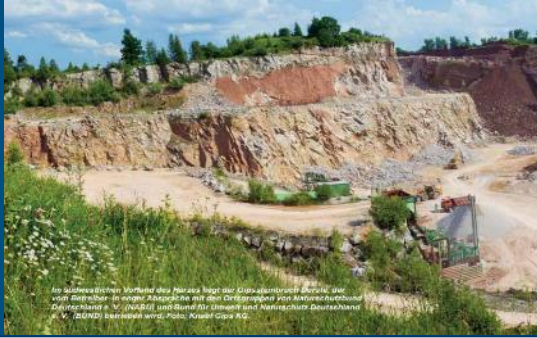


**Increasing dependency
due to a high
concentration of suppliers**



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Pillars of the German Raw-material-strategy



Domestic production of mineral resources in Germany and Europe



Recycling/Secondary raw materials

Circular Economy

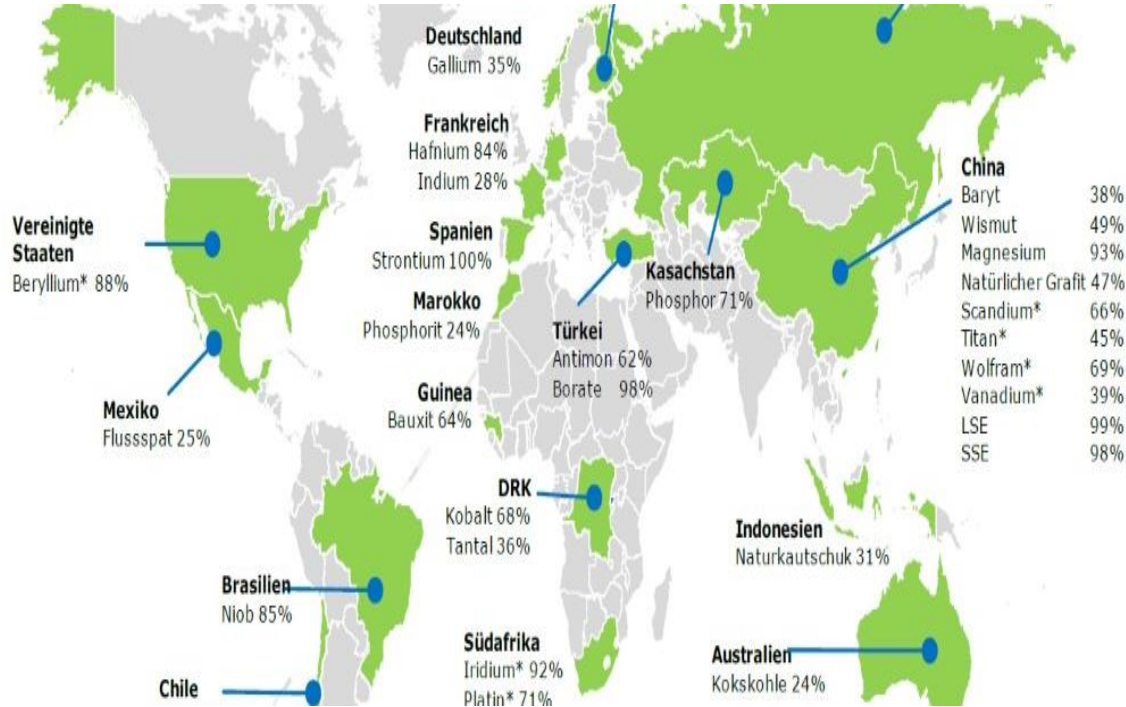


(Diversified) Import, mostly of metallic raw materials



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Import dependencies of Germany



Regions of German Raw-Material Imports

New Challenges

- Covid-19-pandemic and Russian invasion of Ukraine have shown importance of **resilient supply chains**.
- New **geopolitical dimension** of supply chains.
 - Germany wants to expand international cooperation.

New Opportunities for Cooperation

Chile amongst **priority** partner countries.

- Strong foundation in bilateral raw materials cooperation (since 2013)
- Common vision about sustainable and social standards along raw materials value chains.



New Opportunities for Cooperation

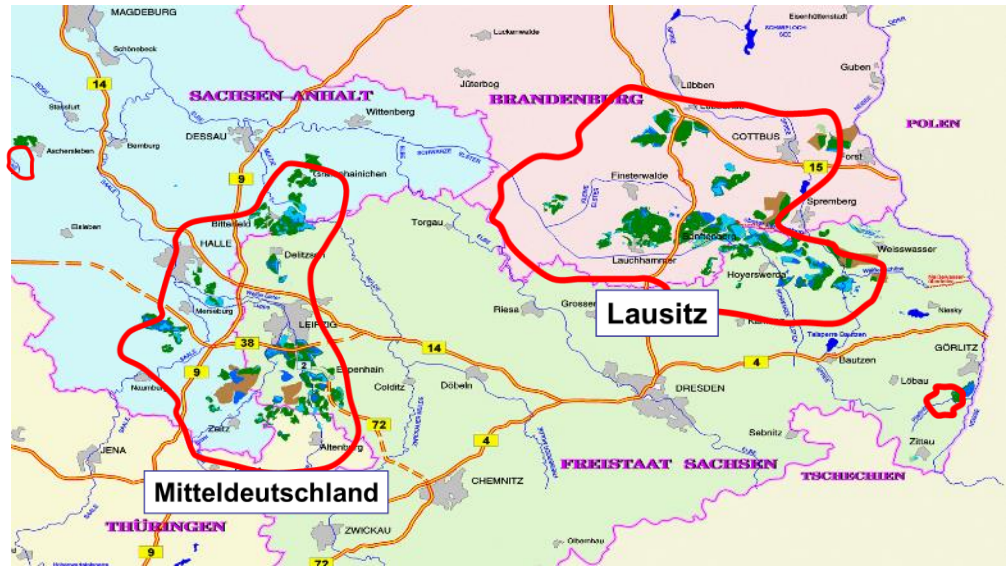
Opportunities for cooperation:

- Lithium, Copper and other raw materials especially for the energy transition
- Sustainable Raw Material Processing
- Raw Material Technologies, Automation, Digitalization
- Special environmental aspects (mine water treatment, handling of tailings)
- Utilization of „waste material“ (like silicates) for other industry application (construction, glass, ceramics)
- Cooperation between Geological Surveys and Universities/Research Organizations
- Land rehabilitation (see next slide)

German experience with land rehabilitation

after more then **100 years of coal mining** and more then **50 years of uranium mining** in the Eastern part of Germany

facing out of coal mining by 2030/38



80 km



Photo Source: LMBV



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Thank you for your attention!

Dr. Peer Hoth, Federal Ministry for Economic Affairs and Climate Aktion