

# Impacts of fossil-free energy transition on natural resources demand

- The international community has pledged to implement the Paris agreement, whereby we need to reduce our dependence on fossil fuels, which currently amounts to 85% of global energy production
- Massive increase of renewable energy and electric cars will multiply the demand for natural resources needed for their production
- Special need for strategic metals mainly available in China
- The demand for extra copper resulting from the need to connect new productions sites to the grid may be equal to current production levels
- Apart from copper, the production of extra glass, concrete, aluminium and steel may surpass 2010 global production levels by 2030 to 2035
- Ice cover in the Arctic may disappear by the same time during the summer, whereby interest in deep-sea mining is increasing
- Environmental impacts caused by the additional need for natural resources resulting from the increased production of renewable energy and electric cars have not been widely discussed in the public
- EU agreement on conflict minerals will strengthen demands for sustainable mining practices and the traceability of metals and minerals in general => we should prepare ourselves for this transition

