

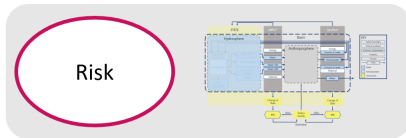


WATER SCARCITY FOOTPRINT OF RENEWABLE ELECTRICITY GENERATION FROM MINING ACTIVITIES

EGU21-6725
Multi-scale water-energy-land
nexus planning
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WATER SCARCITY FOOTPRINT - THE CONCEPT

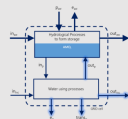


WATER SCARCITY FOOTPRINT - THE CONCEPT

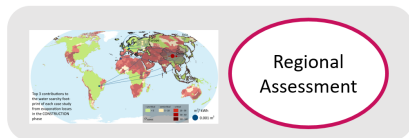
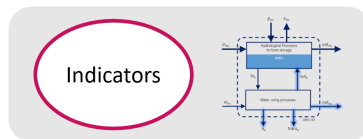
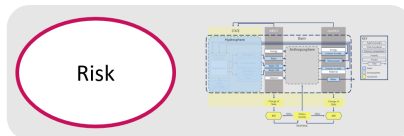
Risk



Indicators



WATER SCARCITY FOOTPRINT - THE CONCEPT



Link to Schomberg et al. 2021:

<https://www.nature.com/articles/s43247-020-00080-9>

WATER SCARCITY FOOTPRINT - THE RESULTS

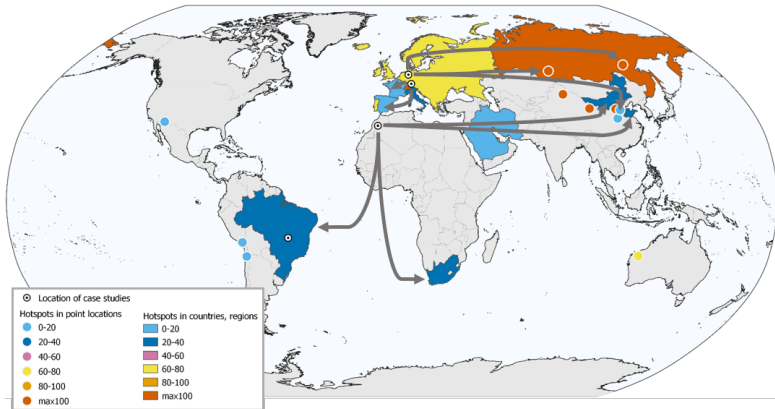


FIGURE 1: Hotspots of water use related to the four case studies (white circles with black dot). Results of the water scarcity footprint have been normalized, multiplied by 100 and are cut off at a maximum value of 100. Arrows are drawn if a case study is the only contributor to a hotspots, i.e. it is the only case study that has an indirect water scarcity footprint at this location. Regarding all other hotspots more than one case study is involved.

WATER SCARCITY FOOTPRINT - THE RESULTS

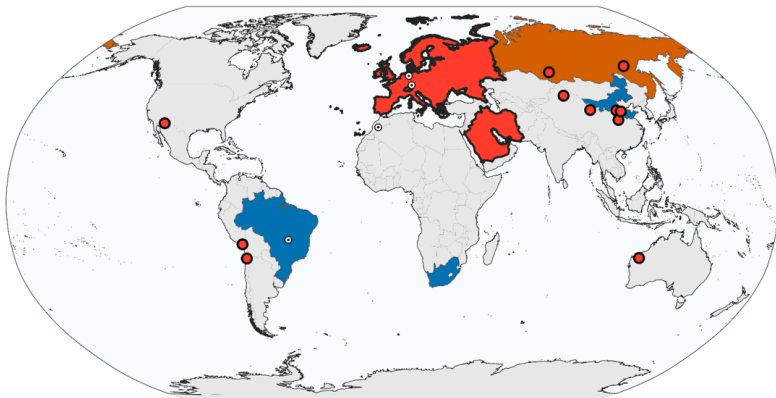


FIGURE 2: Visualisation identical to Figure 1, but all hotspots related to mining activities are coloured in signal red.