

The Changing Geopolitics of Critical Minerals and the Future of the Clean Energy Transition

Thursday, March 9



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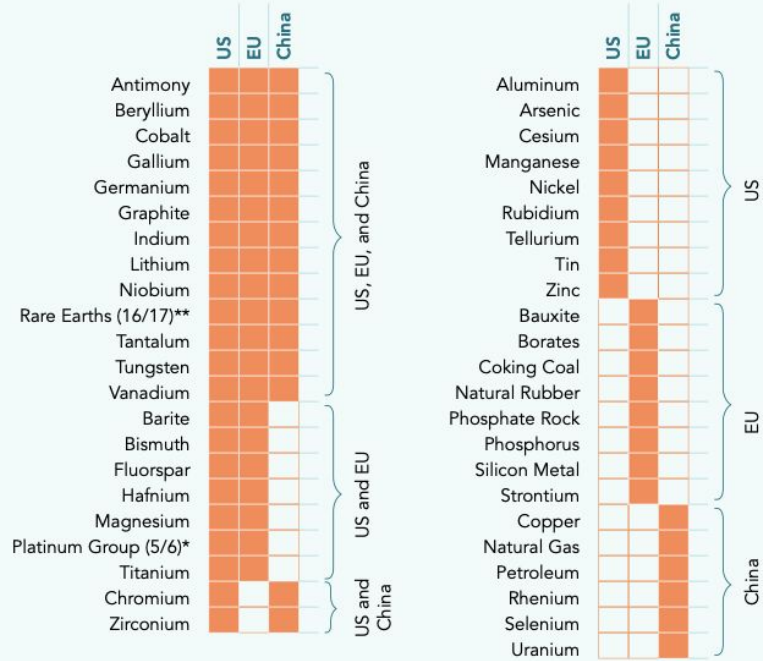


Environmental Change
and Security Program



GRIP-ARM

Comparison of Chinese, US, and EU critical resource lists

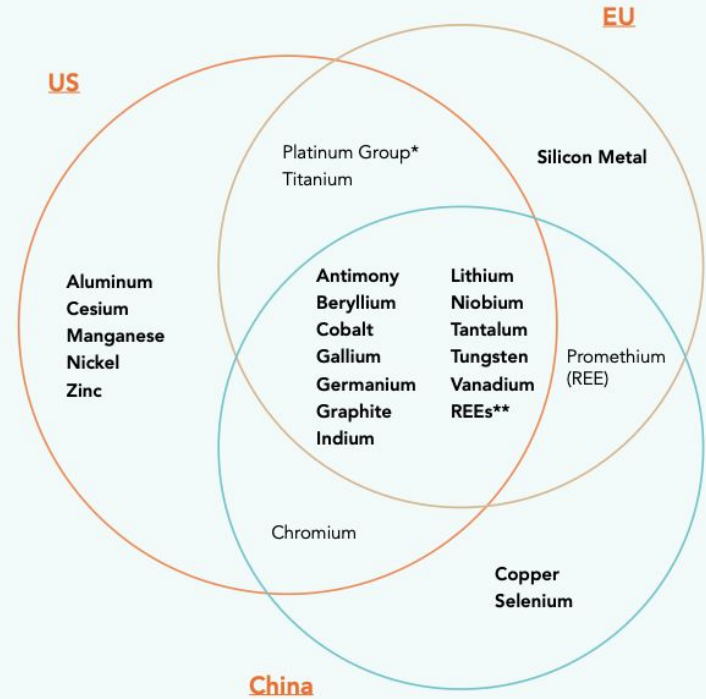


Overlapping

Exclusive

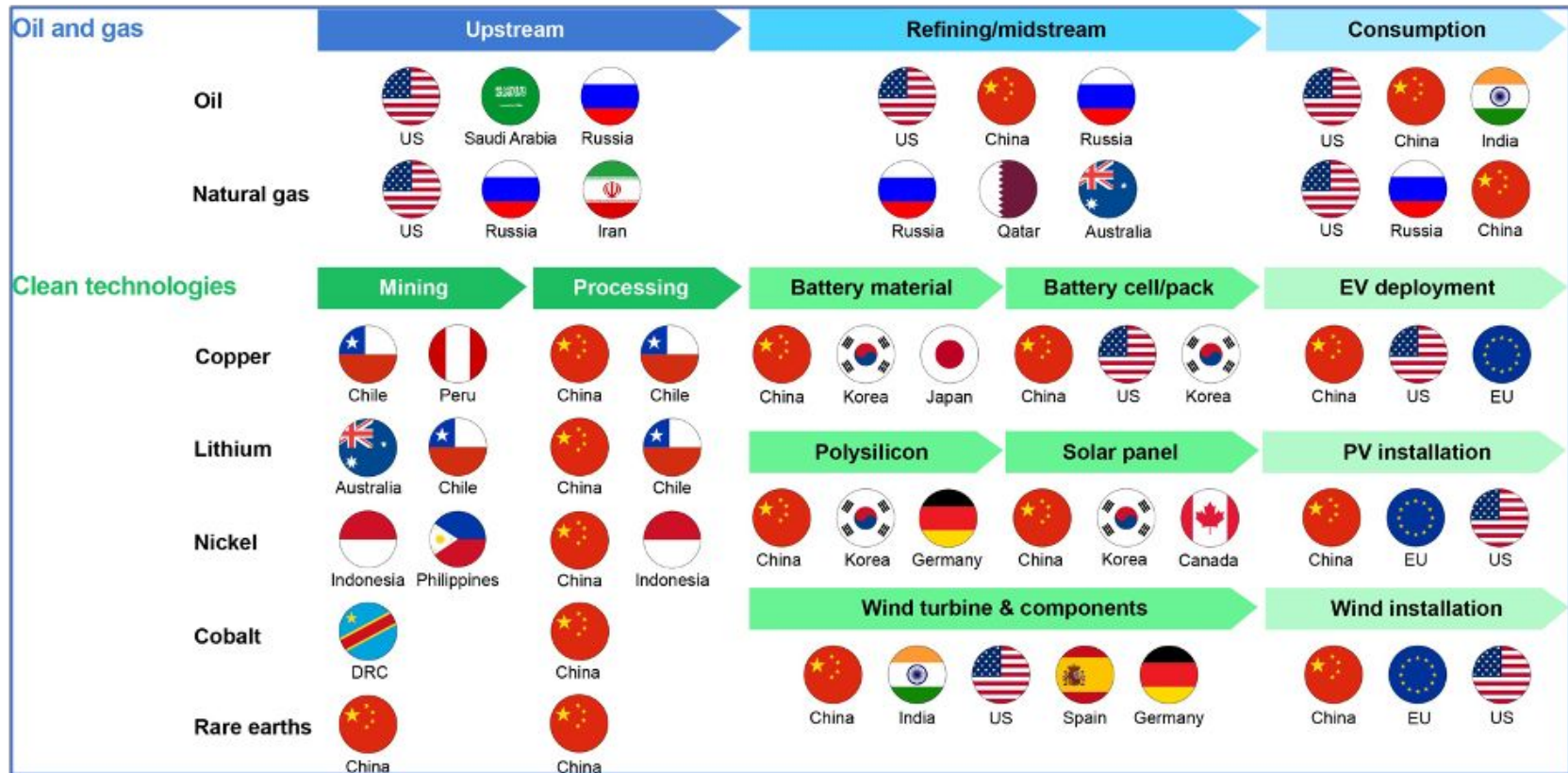
* US excludes osmium
 ** US excludes promethium

Spotlight on select resources' inclusion in regional critical resource lists



* US excludes osmium
 ** US excludes promethium

Figure 1: Indicative Supply Chains of Clean Energy Technologies



Notes: DRC = Democratic Republic of the Congo; EU = European Union; US = United States; Russia = Russian Federation; China = People's Republic of China. Largest producers and consumers are noted in each case to provide an indication, rather than a complete account.

Source: International Energy Agency (2021, p. 29) (adapted).

Figure 2: Key Suppliers of 8 Technologies across Stages in Supply Chain

