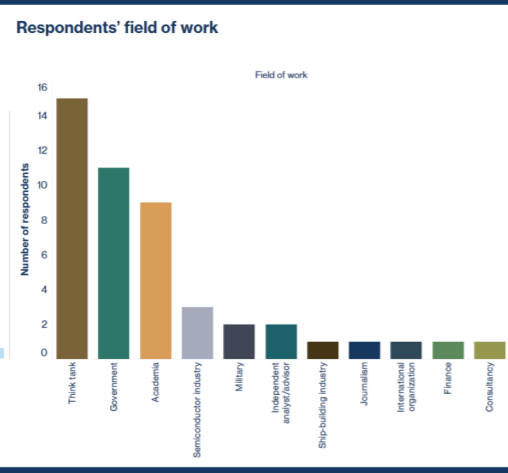
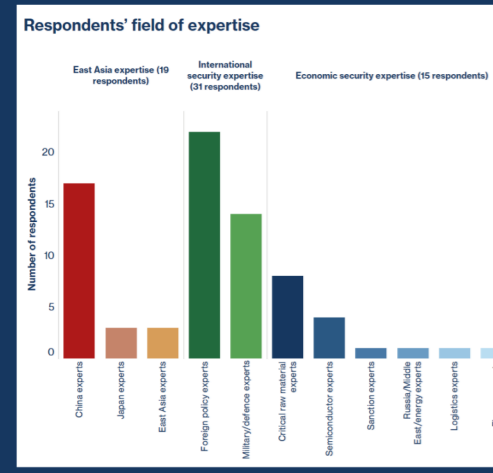
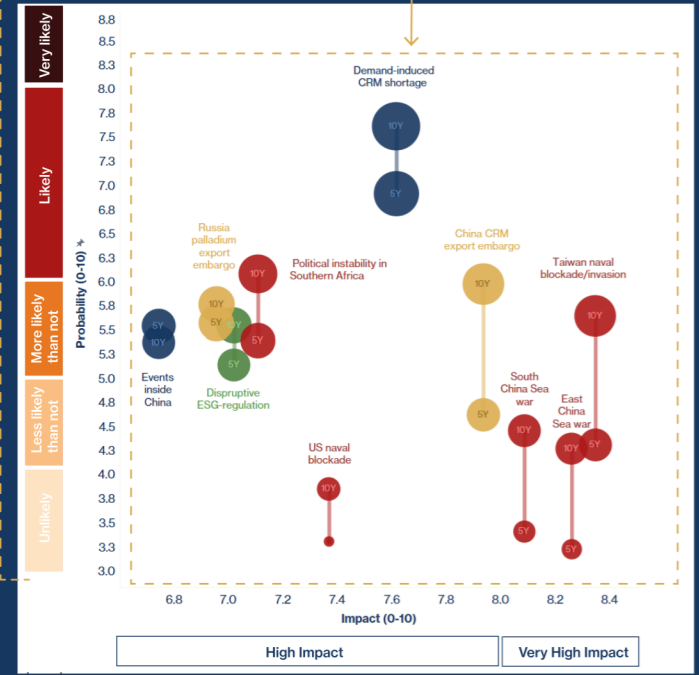
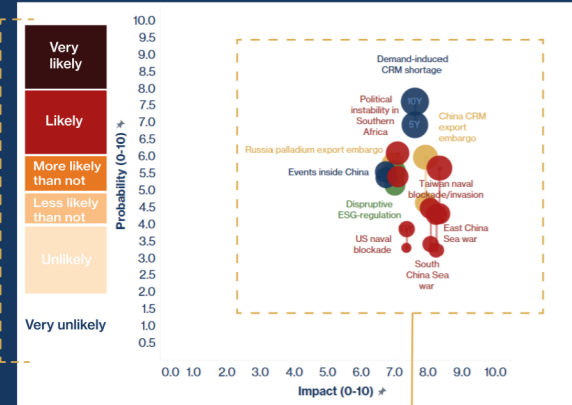


Critical raw material risks for semiconductor supply next 10 years

According to 49 experts surveyed in 2022

Supply of semiconductors and end-products to the EU is likely to be strongly, negatively impacted by critical raw material supply disruptions, say experts. Already in the next five years but even more so in the next ten years.

If even just one risk materializes, this will have a "high" or a "very high" impact on the supply of semiconductors and end-products to the EU. Demand-induced shortage, China CRM export embargo and People's Liberation Army naval blockade/invasion of Taiwan are deemed top risks in the next ten years.



Legend

<ul style="list-style-type: none"> Flows: Solid line Deposits: Triangle Silicon: Star Rare earths: Diamond Palladium: Square Cobalt: Circle Gallium: Hexagon 	<ul style="list-style-type: none"> Cobalt-Rich Crusts & Polymetallic Nodules: Yellow oval Mining: Pickaxe icon Refining: Factory icon Conversion & Processing: Gear icon 	<ul style="list-style-type: none"> Demand-induced CRM shortage: Red triangle with exclamation mark Political instability in Southern Africa: Red triangle with flag Gallium, Germanium, Cobalt and REE export embargo by China: Red triangle with crossed tools PLA naval blockade and/or invasion of Taiwan: Red triangle with ship 	<ul style="list-style-type: none"> Palladium export embargo by Russia: Orange triangle with crossed tools Disruptive ESG-regulation by the EU and/or US: Orange triangle with scale Events inside China such as pandemic related lockdowns or work stoppages: Orange triangle with sun Regional naval war in the South China Sea: Orange triangle with ship 	<p>Lower Risk Higher</p> <ul style="list-style-type: none"> Regional naval war in the East China Sea: Orange triangle with ship US blockade halting Chinese oil and gas imports: Orange triangle with oil rig
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