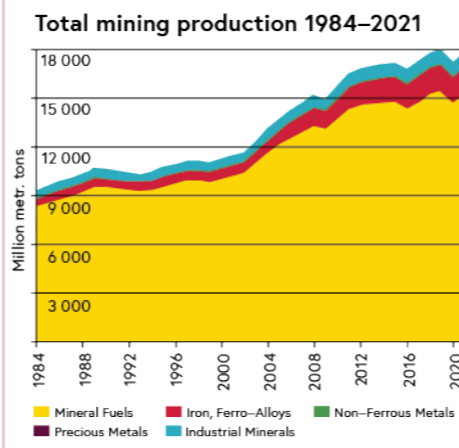
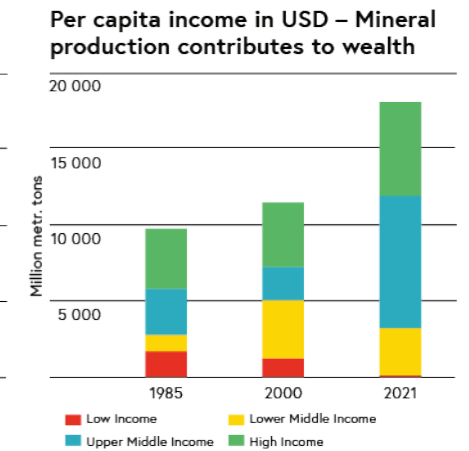
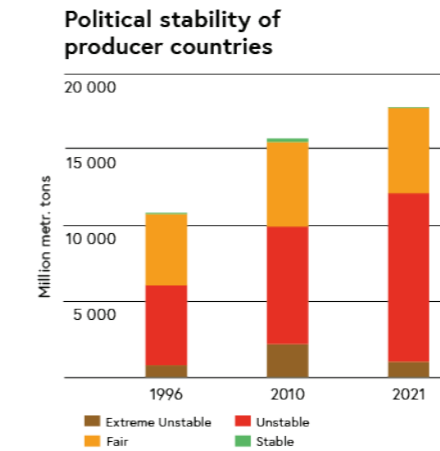
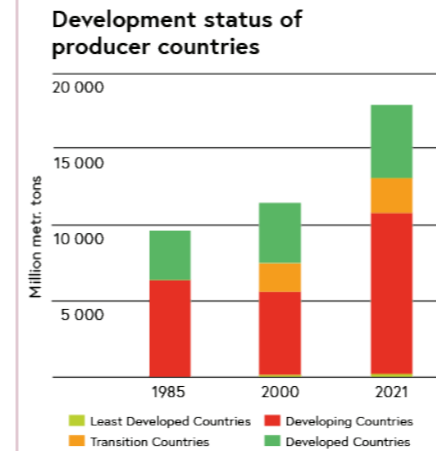
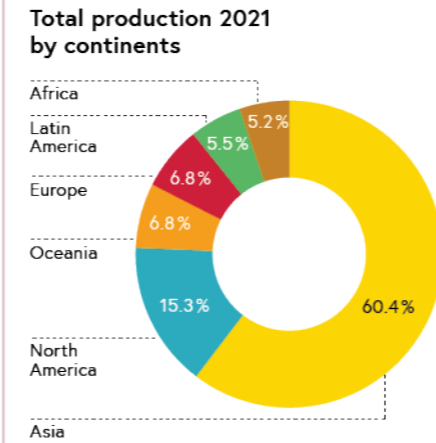
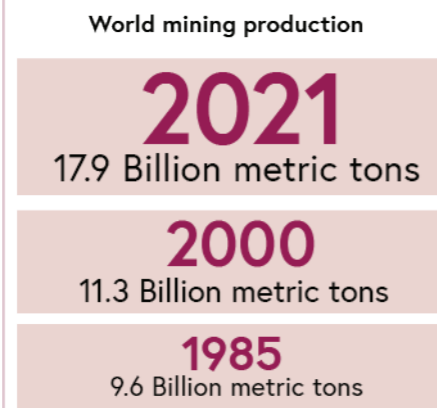
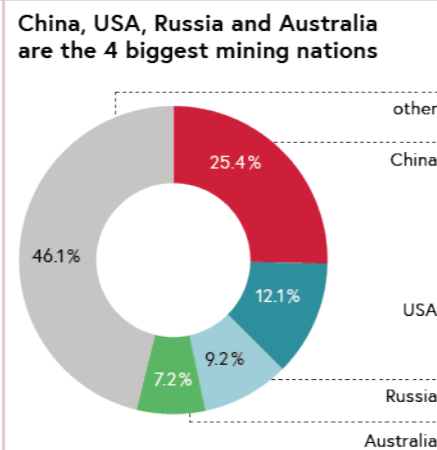
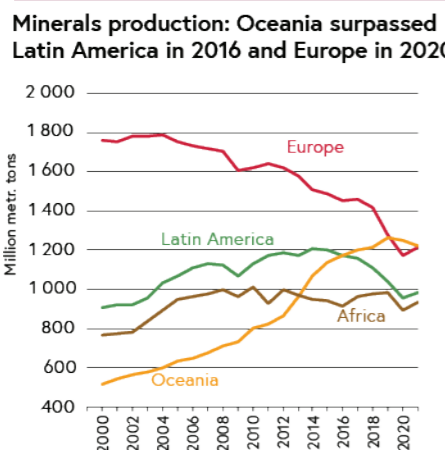
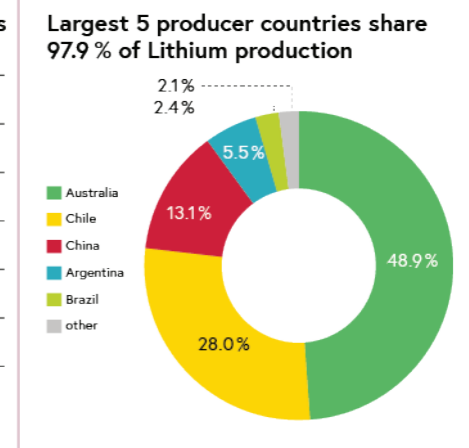
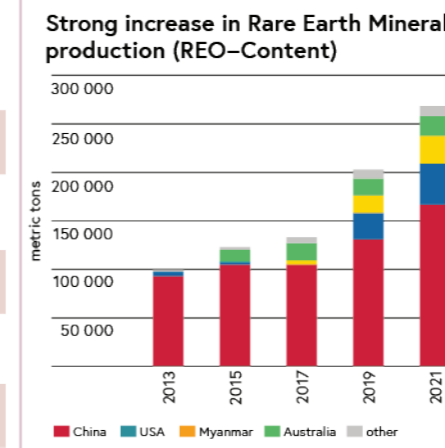


Minerals – Backbone of the economy

Major developments in global mining production based on World Mining Data 2023



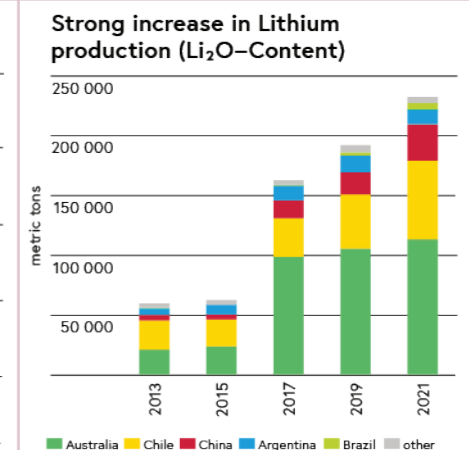
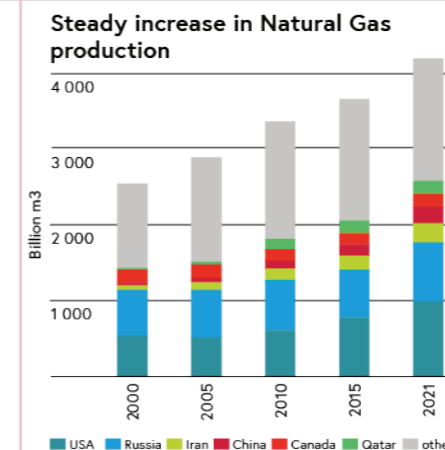
Non-Ferrous Metals
Ratio of 4 base metals Al, Cu, Zn, Pb to all other Non-Ferrous Metals
99.1% to 0.9%
Growth rate of Non-Ferrous Metals production 2000/2021 (2017/2021)
115.3% (3.0%)
Growth rate of Copper production 2000/2021 (2017/2021)
66.2% (6.6%)



Iron and Ferro-Alloy Metals
Ratio of Iron Ore to all other Ferro-Alloy Metals
97.2% to 2.8%
Growth rate of Iron Ore production 2000/2021 (2017/2021)
169.9% (7.3%)
Growth rate of Nickel production 2000/2021 (2017/2021)
149.3% (13.5%)

Big changes

	Δ 2000/2021	Δ 2017/2021
Lithium	753.5%	42.9%
Gallium	734.6%	40.0%
Tellurium	278.4%	19.7%
Antimony	-18.8%	-36.9%
Lignite	-20.4%	-16.3%
Diam. (Ind)	-23.2%	-38.3%



- China is world's largest producer of 29 different commodities:**
- 4 Iron and Ferro-Alloy Metals: Mo, Ti, W, V
 - 15 Non-Ferrous Metals: Al, Sb, As, Bi, Cd, Ga, Ge, In, Pb, Hg, REE, Se, Te, Sn, Zn
 - 1 Precious Metal: Au
 - 7 Industrial Minerals: Fluorspar, Graphite, Gypsum, Magnesite, Phosphate Rock, Salt, Sulfur
 - 2 Mineral Fuels: Steam Coal, Coking Coal

