



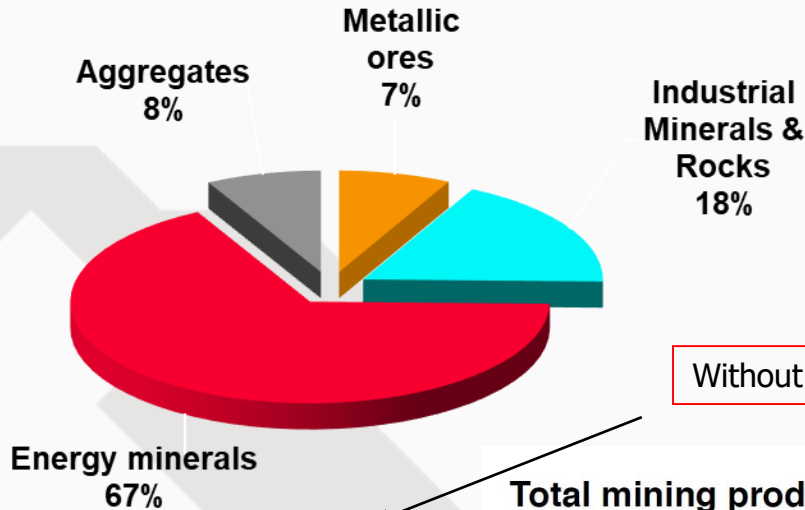
DEBATE

Mining information in Europe “Not only metallic mining”.

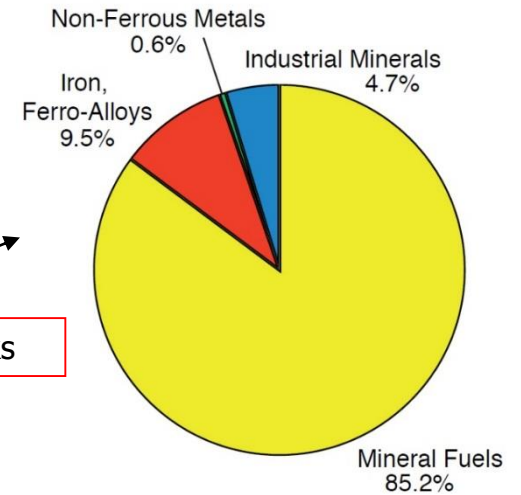


Prof. Manuel Regueiro y González-Barros
Geological Survey of Spain

Total (2014): 898.000 M€

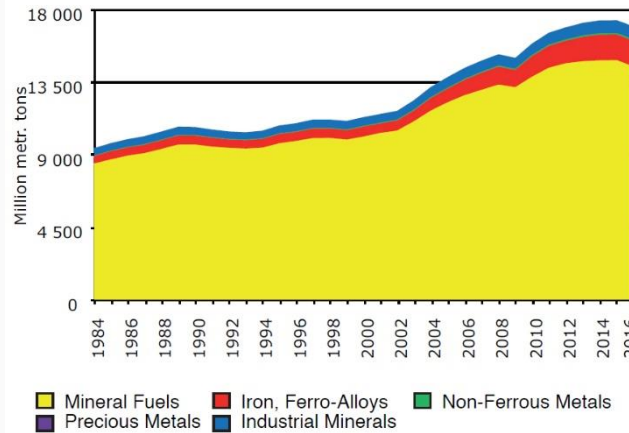


Total production 2016 by groups of minerals



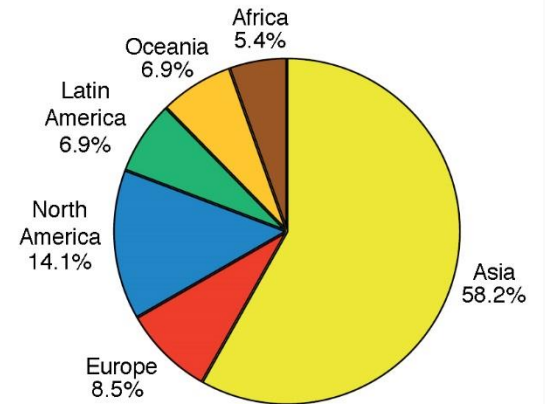
Without construction minerals & rocks

Total mining production 1984-2016 in Million metric tons



Decline in 2016 due to decrease in Coal production.

Total production 2016 by continents



World mining production

2016

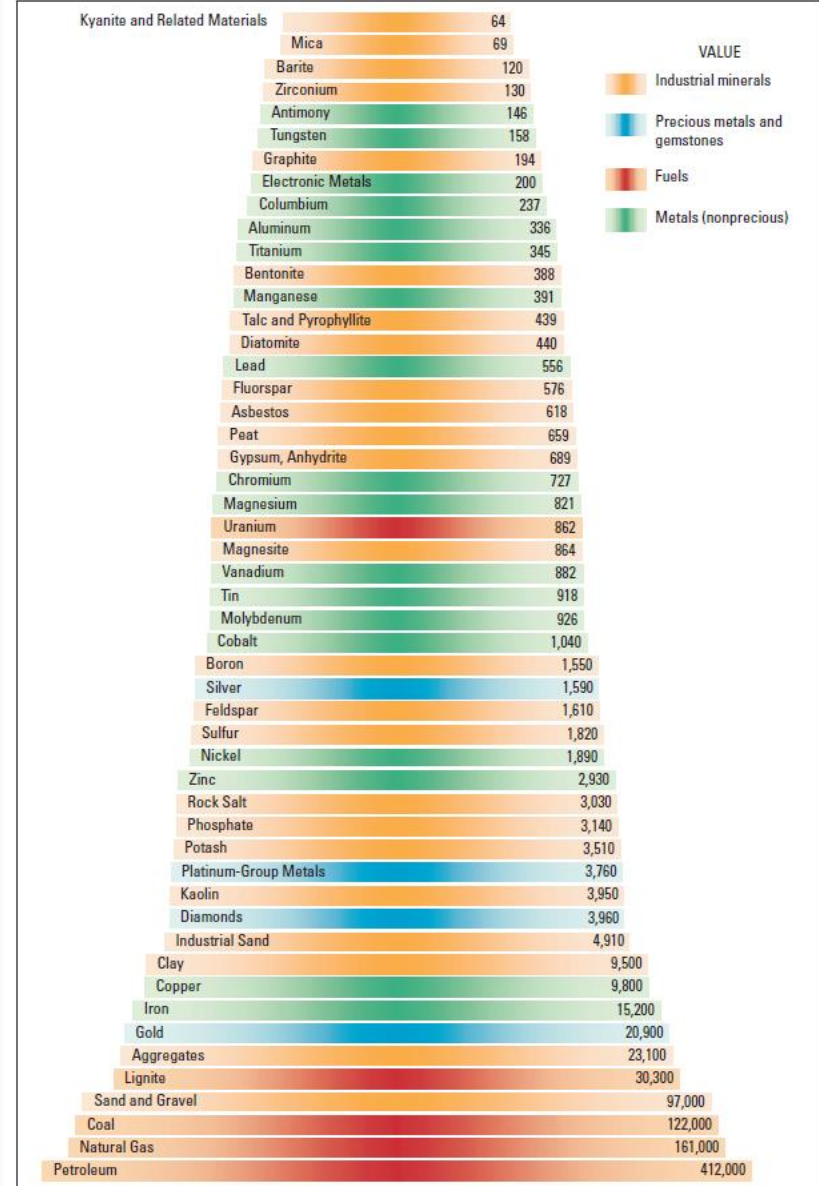
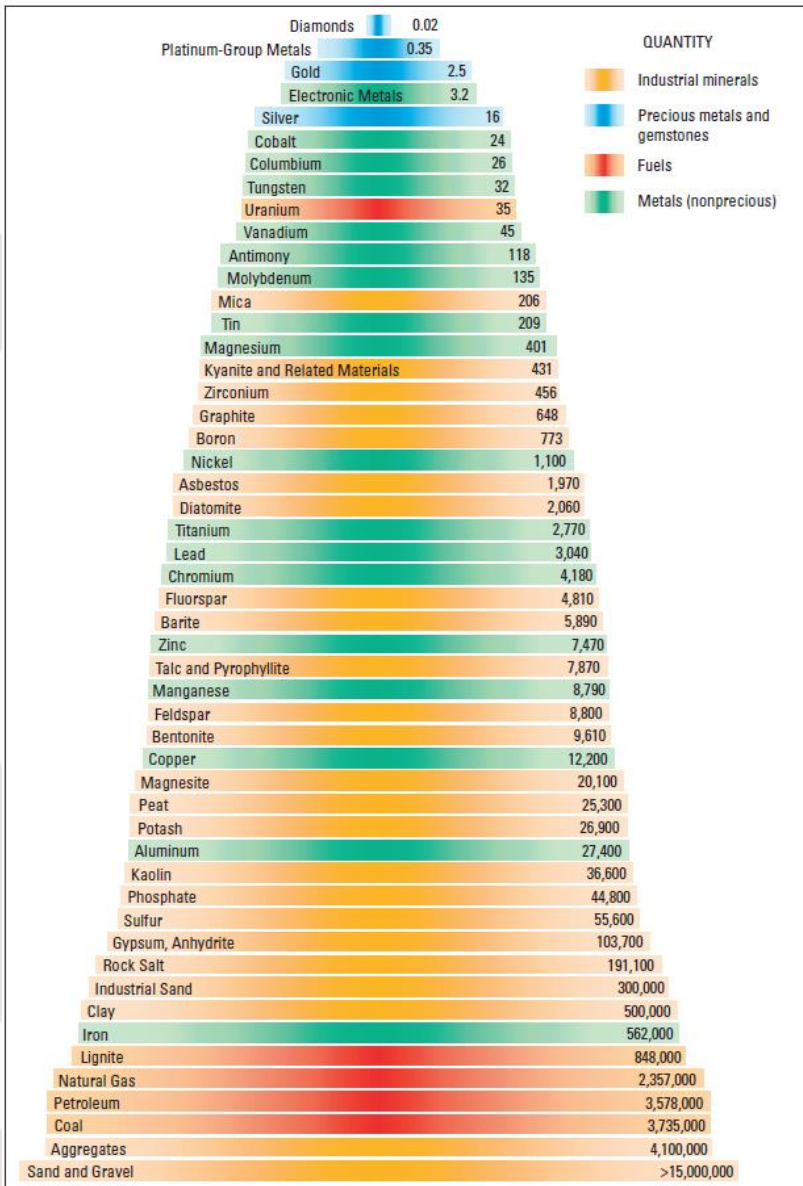
16.9 Billion metric tons

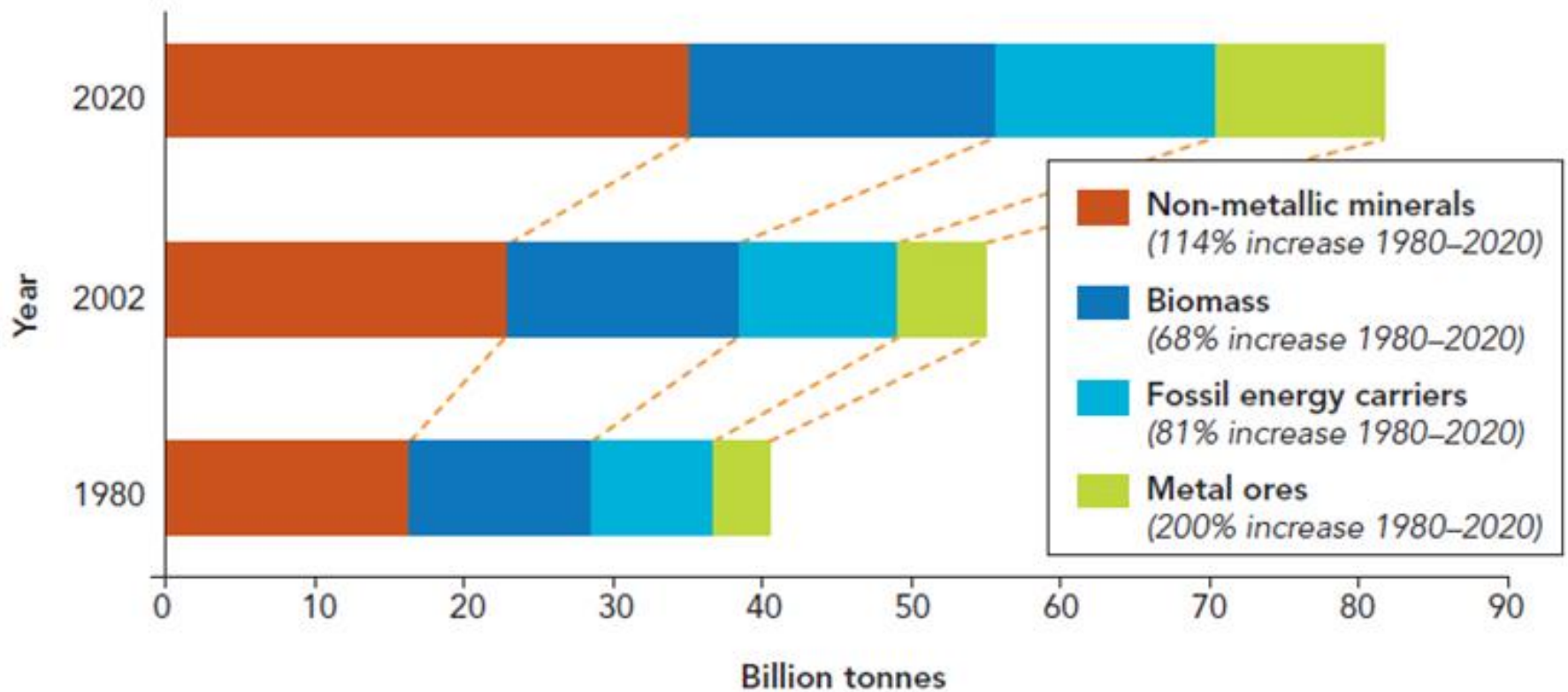
2000

11.3 Billion metric tons

1985

9.7 Billion metric tons





Source: OECD, 2008a

Data based on MOSUS MFA database, Sustainable Europe Research Institute, Vienna,
<http://materialflows.net>; Giljum et al. 2007.

- Raw materials added value in EU economy: > 1.300 M€
- Production value of EU domestic **non energy mining** of raw materials (mainly construction minerals): 45.000 M€.
- Direct employment is around 500.000 (aggregates alone amount 200.000).
- Indirect employment (downstream industries): circa 30 million people.
- **60.000 mining operations** (about 26.000 aggregates).
- Total production run of mine around 4.000Mt/year (aggregates alone 2.700Mt/year),
- Total extracted material could reach 10.000Mt/year.
- Per capita consumption of non-energy raw materials in Europe (DMC) is estimated in 10t (5t aggregates only).
- Minerals raw materials consumption (2017): circa 5.115 Mt.

Subsector	Production Mt	Production value M€	%
Dimensional stone	27	8.400	18,66
Industrial minerals	180	14.000	31,11
Aggregates	2.700	15.000	33,33
Metallic minerals	800	7.600	16,88



Instituto Geológico
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Strike with thy rod while thou beg to thy God