

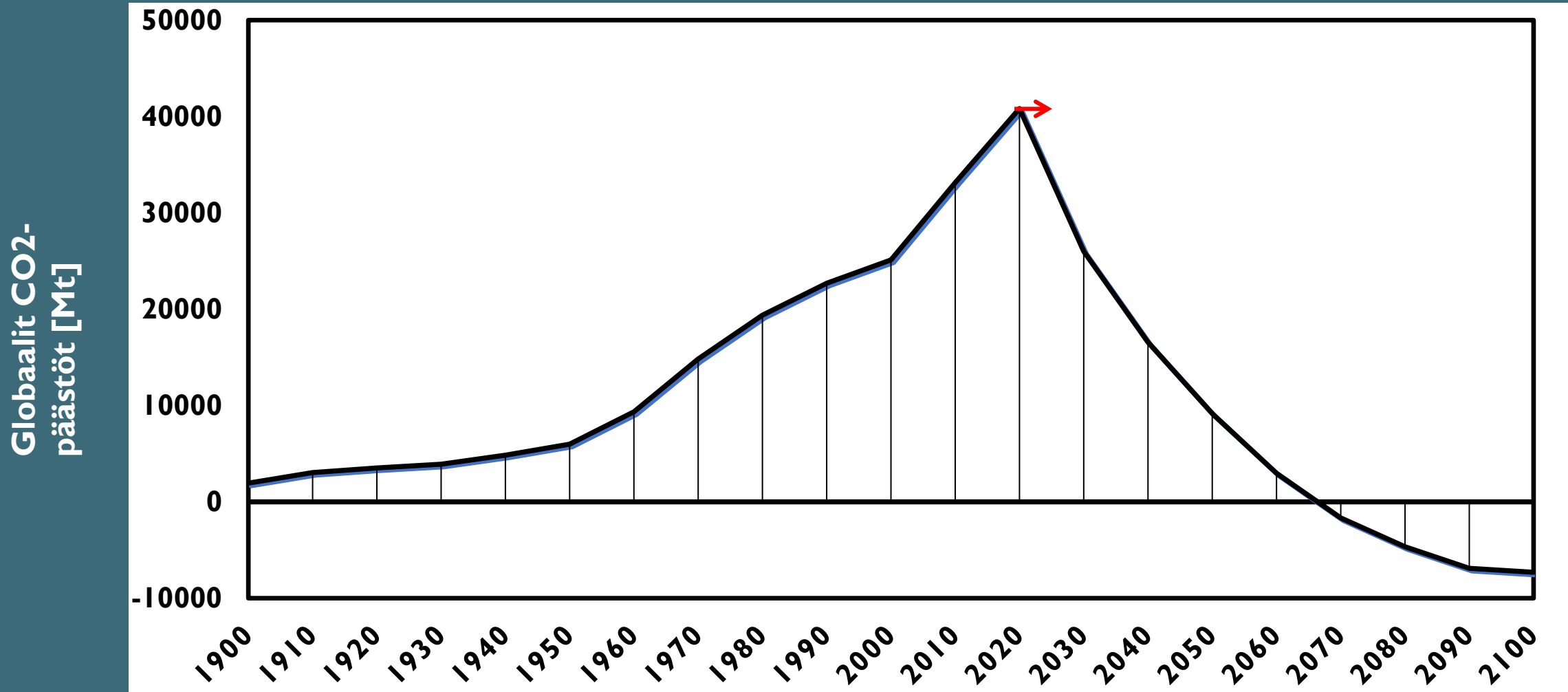
An aerial photograph of a mountain slope. The left side of the image is a dark, shadowed area, possibly a lake or a deep valley. The right side shows a steep, rocky slope covered with dense green forest. The rocks are light-colored and jagged, contrasting with the dark green of the trees.

Why would a green politician endorse nuclear power?

- Speech at Energiforsk Annual Nuclear Conference

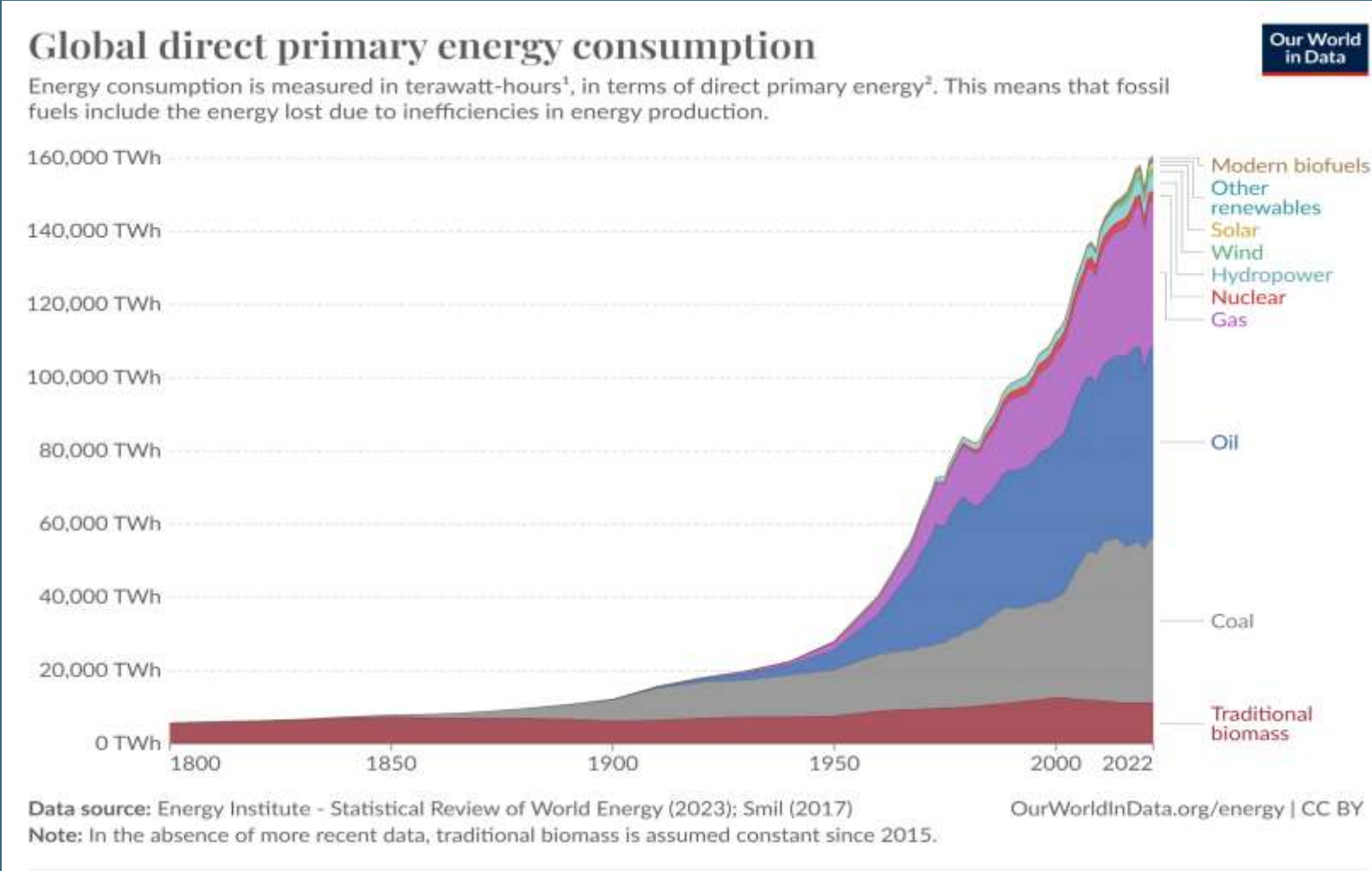
Atte Harjanne 21.1.2025

Global emissions – the big picture

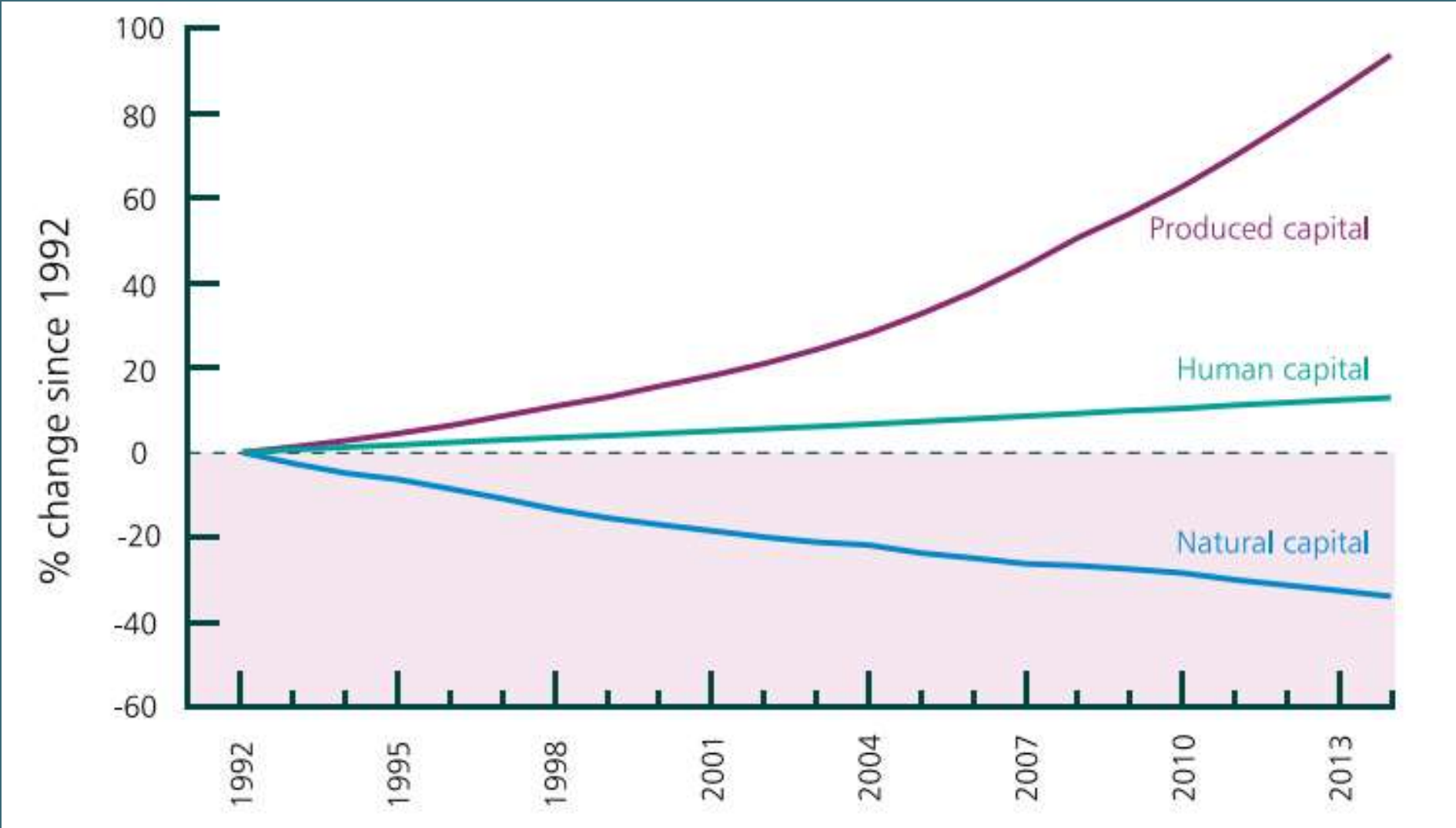


Lähteet: IIASA AR6 Scenario Explorer & Our World in Data

Global energy – the big picture

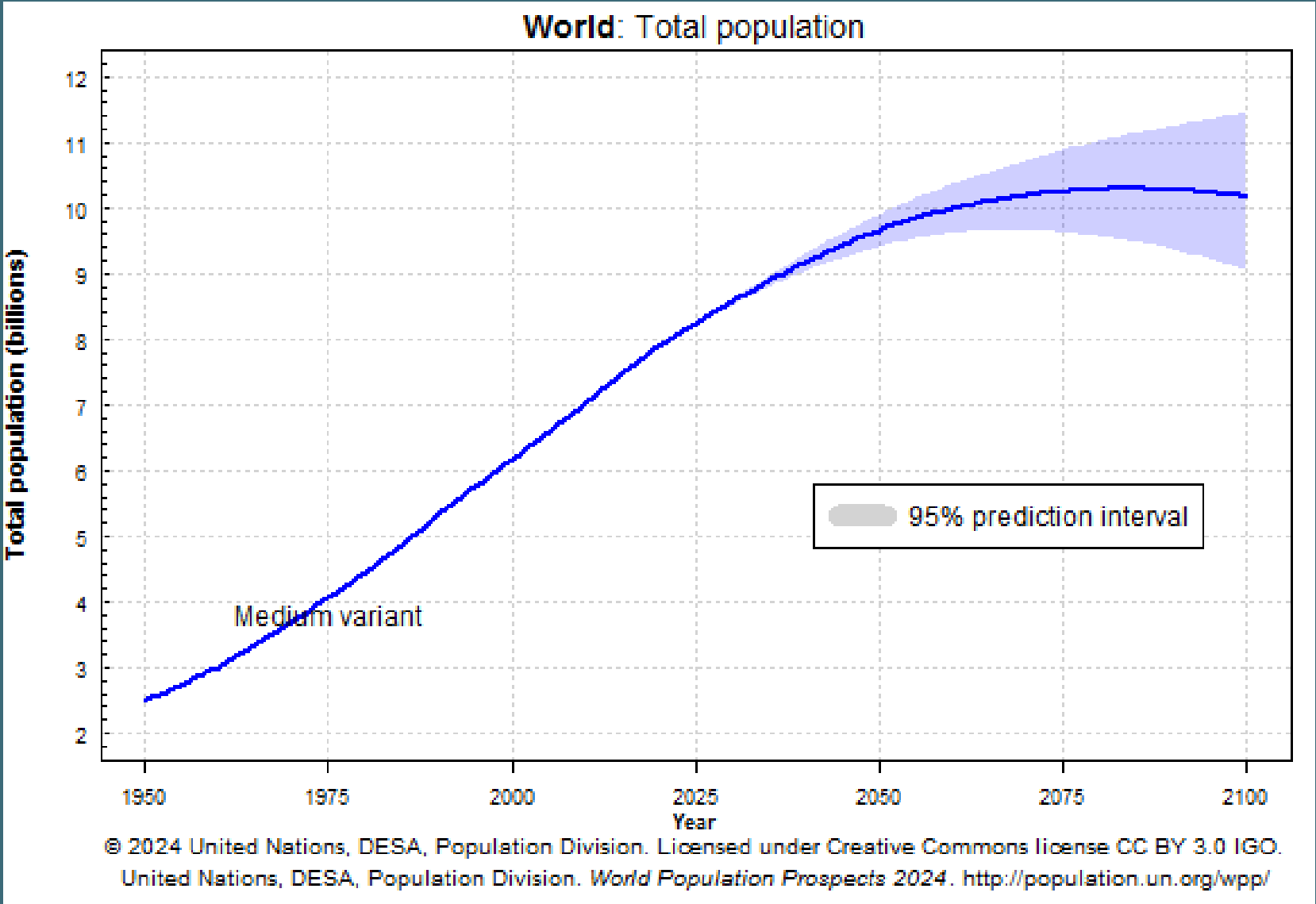


Biodiversity – the big picture



Sources: Dasgupta Review / Managi & Kumar: Inclusive Wealth Report 2018: Measuring Progress Towards Sustainability

Global population – the big picture



2025: over 600 million people without access to electricity

Conclusions

- Enabling sustainable development requires massive amount of clean energy while at the same time limiting land and resource use
- Nuclear energy is essential tool in this challenge
- Security also a factor: reliance on fossil imports makes Europe vulnerable
- Nuclear vs renewables is a wrong dichotomy. We need both.
- Typical counter arguments and responses:
 - High cost & long construction time – not inevitable and even if partly true, nuclear is still needed
 - Waste – Can be safely managed (final repository in Finland starting soon), the volumes are small compared to the energy produced



Photo: Hannu Hökinen, Finnish Heritage Agency, database: finn.fi

Kiitos! Tack! Thank you!

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