

Anschalt
KONFERENZ

Speaker

Staffan Reveman
Reveman Energy Academy

KI - (Künstliche) Intelligenz wählt Kernkraft AI - (Artificial) Intelligence chooses nuclear



Staffan Reveman | 2025

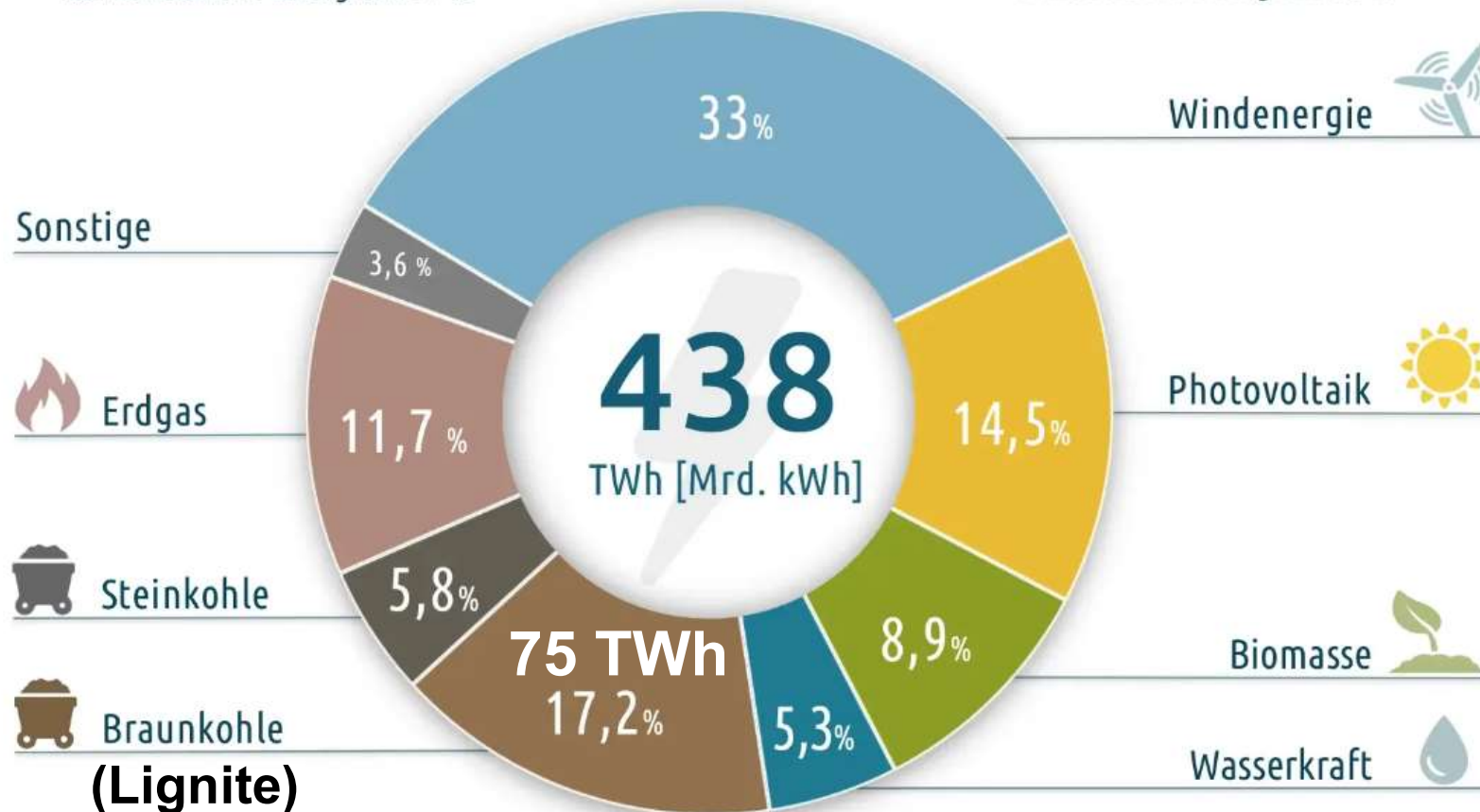


DER STROMMIX IN DEUTSCHLAND 2024

Anteil der Energieträger an der Stromerzeugung [netto]

Konventionelle Energien: 37 %

Erneuerbare Energien: 63 %



Es wird die Nettoproduktion aller Kraftwerke dargestellt.

Daten: Fraunhofer ISE 2024

<https://strom-report.com/strommix>



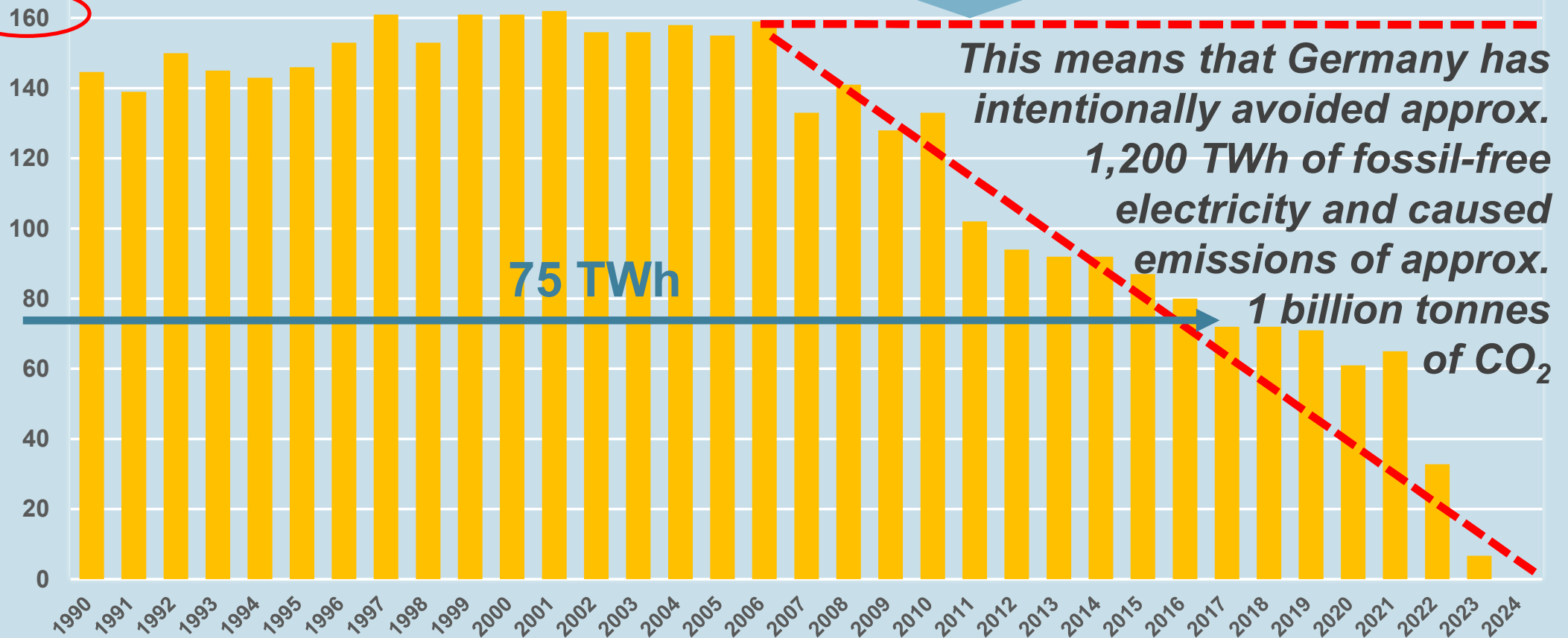
STROM-REPORT

German nuclear power generation in TWh 1990 - 2024

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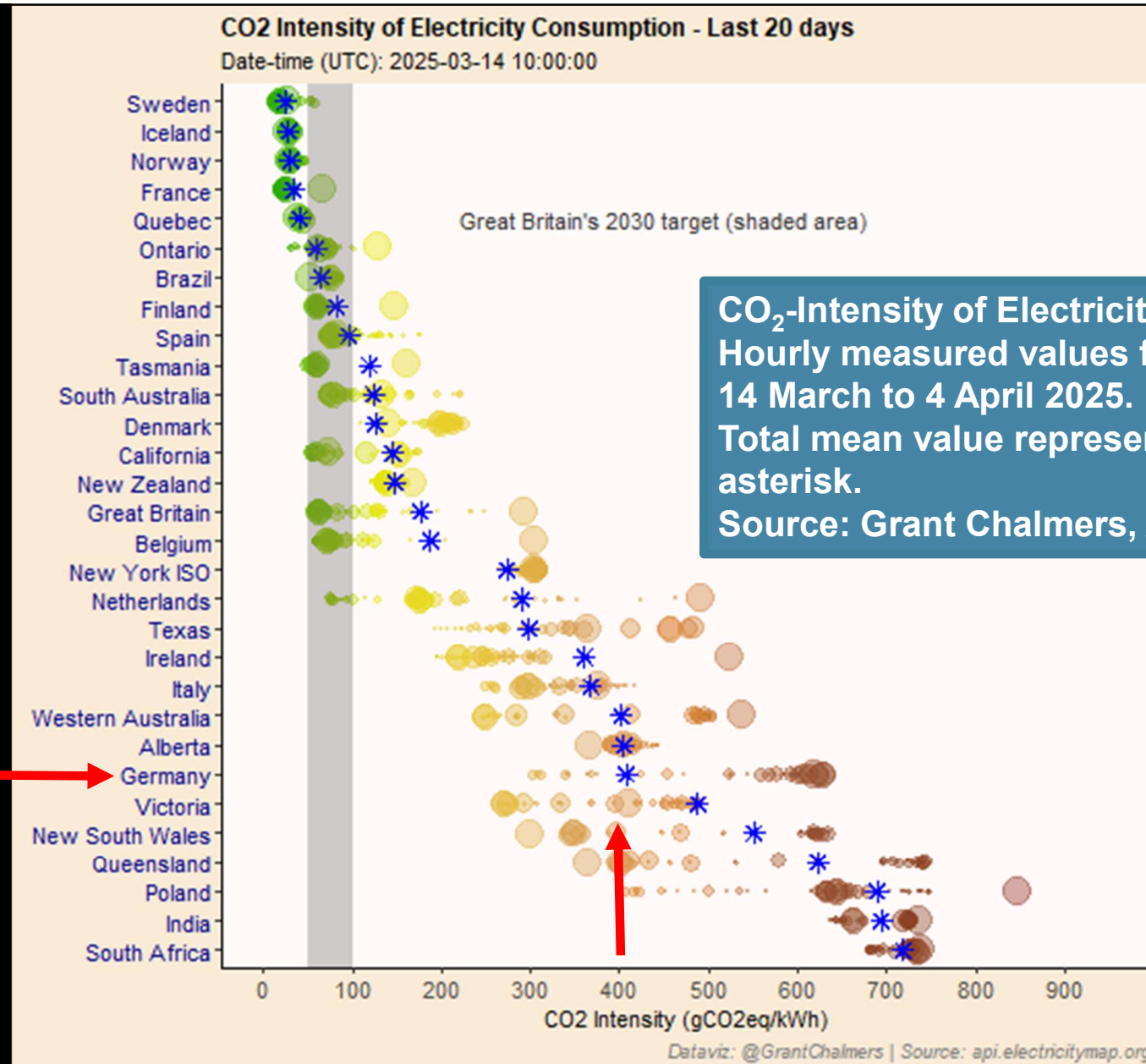
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FUKUSHIMA 2011



Quelle: BDEW und AGE

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CO₂-Intensity of Electricity Consumption.
Hourly measured values from
14 March to 4 April 2025.
Total mean value represented by a blue
asterisk.
Source: Grant Chalmers, Australia



New coalition:

“We are sticking to the agreed phase-out path for lignite-fired power generation by 2038

(...)

We want to incentivise the construction of up to 20 GW of gas-fired power plant capacity by 2030”

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Climate Neutral Data Centre Pact

The Green Deal needs Green Infrastructure

Over 100 data centre operators and trade associations are committed to the European Green Deal, achieving the ambitious greenhouse gas reductions of the climate law, and leveraging technology and digitalization to achieve the goal of making Europe climate neutral by 2050. To ensure data centres are an integral part of the sustainable future of Europe, data centre operators and trade associations agree to make data centres climate neutral by 2030.



SOLAR AND WIND POWER IN GERMANY

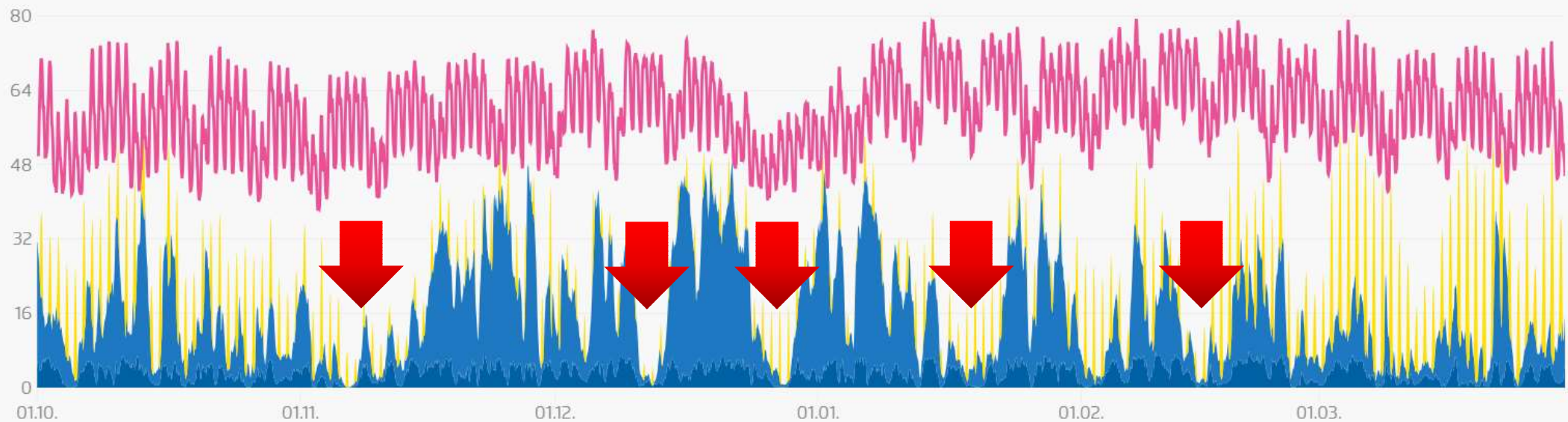
WINTER HALF-YEAR 2024 / 2025

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Stromerzeugung und -verbrauch

[GWh/Stunde]



— Gesamtstromverbrauch
● Solar
● Erdgas
● Biomasse
● Konventionell
● Pumpspeicher
● Wasserkraft
● Kernkraft
● Andere
● Wind Offshore
● Braunkohle
● Steinkohle
● Wind Onshore

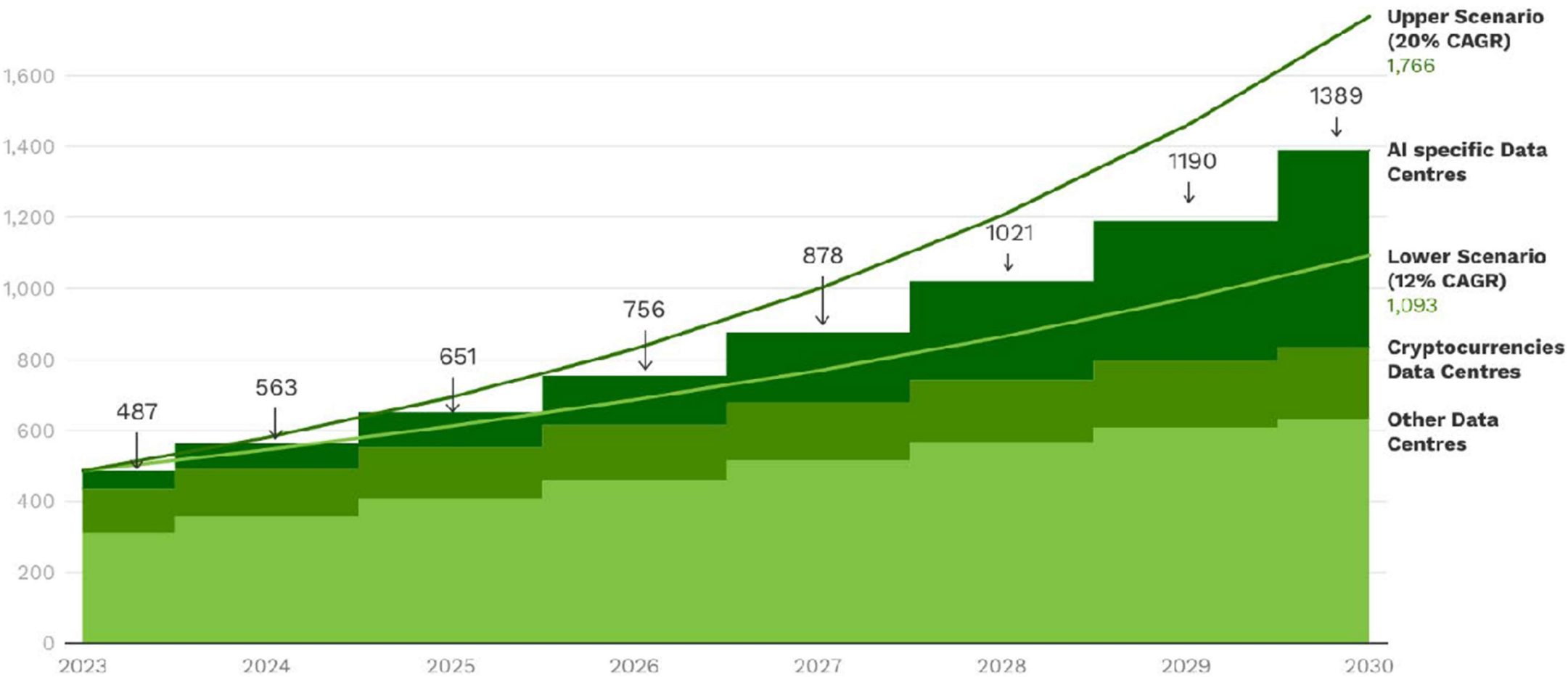
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Source: Agora Energiewende - Agorameter

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Figure 2-1: Future Scenario of global data centre (DC) electricity consumption

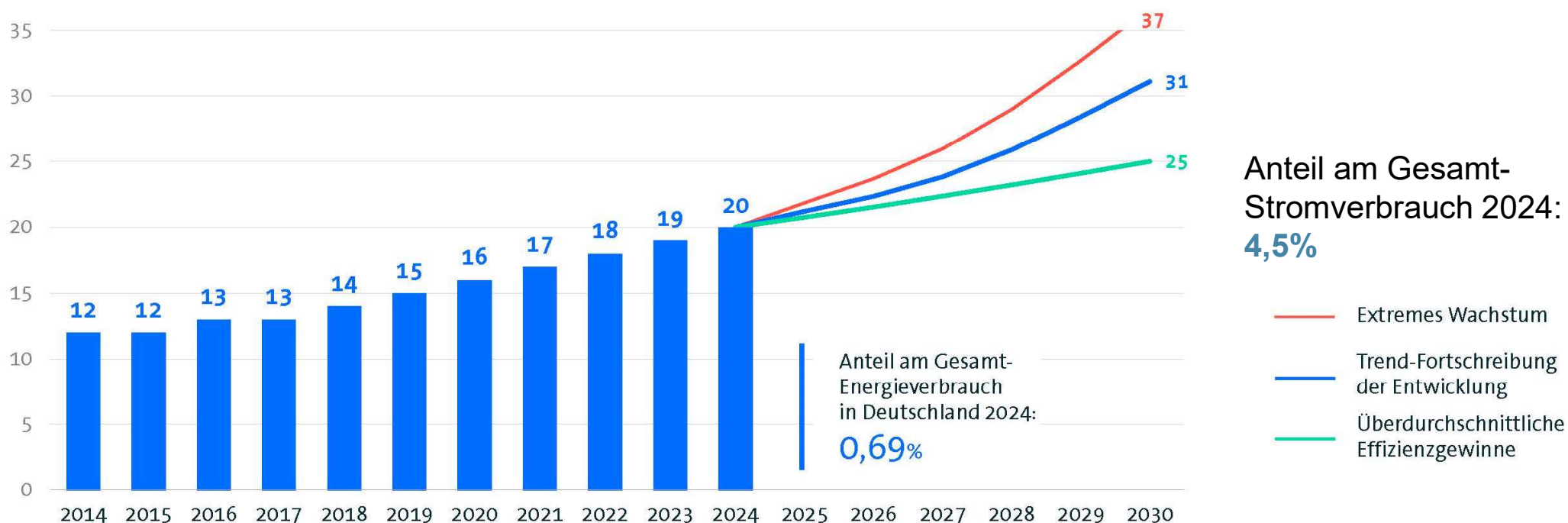
Annual Electricity Consumption in TWh



Source: own compilation based on IEA 2025; Deloitte 2024; McKinsey 2024; LBNL 2024; Digiconomist 2025

Energiebedarf: 20 Mrd. kWh in diesem Jahr (20 TWh)

Energiebedarf von Rechenzentren und kleineren IT-Installationen pro Jahr (in Mrd. kWh/Jahr)



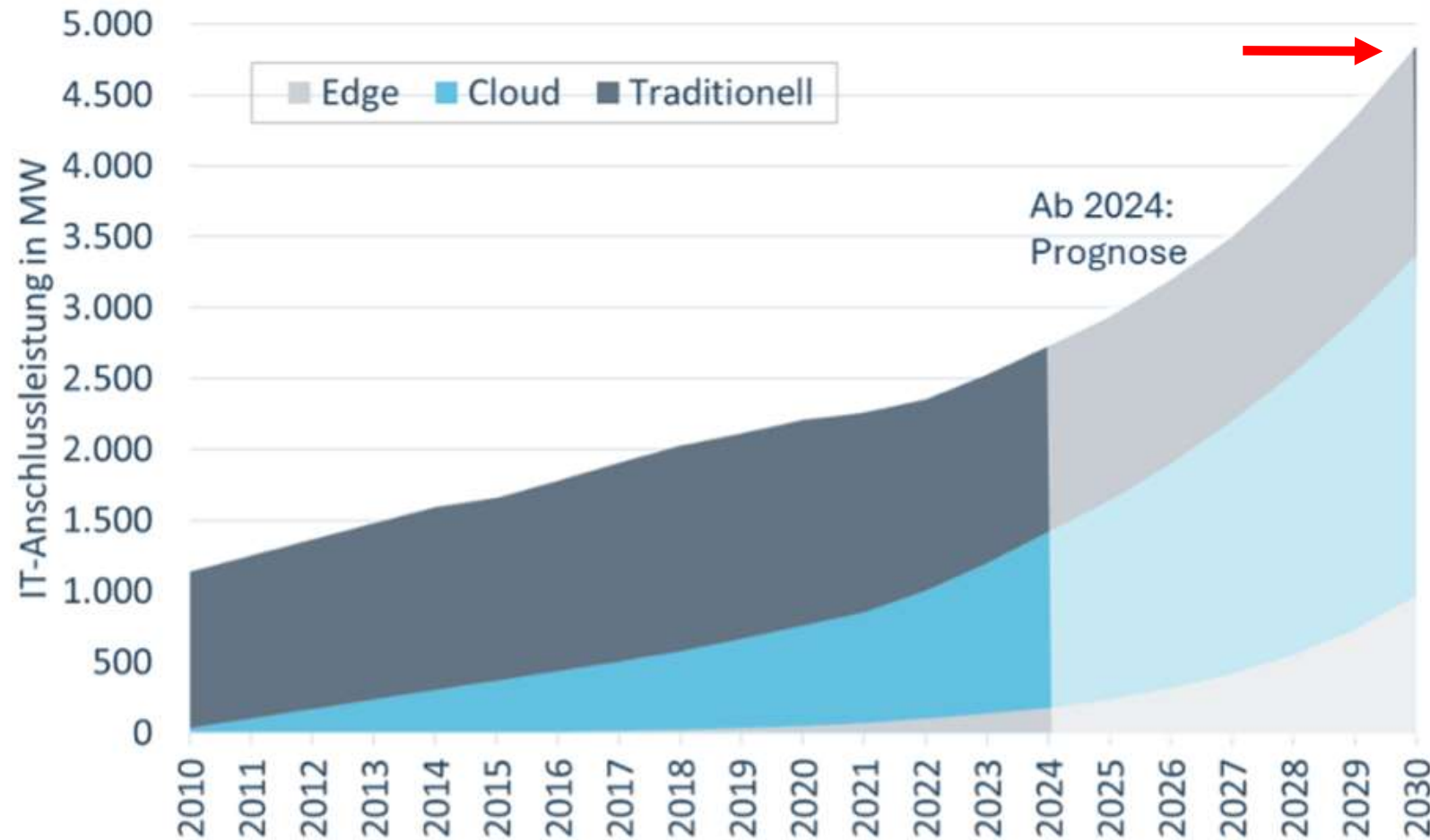
5 Quelle: Bitkom-Studie »Rechenzentren in Deutschland: Aktuelle Marktentwicklungen 2024«, durchgeführt vom Borderstep Institut

bitkom

Connected IT load in megawatts(MW)

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Quelle: Bitkom und Borderstep Institut

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WE NEED:

- Fossil-free weather independent and 24/7/365 available electric power
- A balanced electricity mix
- Affordable electricity without subsidies

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