SDG Goal 7	**Affordable and clean energy**
SDG Target 7.2	**By 2030, increase substantially the share of renewable energy in the global energy mix**
SDG Indicator 7.2.1	**Renewable energy share in the total final energy consumption**
Time series	**Renewable energy in final energy consumption**

1. General information on the time series

- Date of national metadata: 16 September 2024
- National data: http://sdg-indicators.de/7-2-1/
- Definition: The time series measures the total energy produced by renewable sources as a share in total final energy consumption. Renewable sources include solar, wind, ocean, hydropower, geothermal resources, bioenergy and renewable waste.
- Disaggregation: Not available.

2. Comparability with the UN metadata

- Date of UN metadata: March 2024
- UN metadata: https://unstats.un.org/sdgs/metadata/files/Metadata-07-02-01.pdf
- The time series is compliant with the UN metadata.

3. Data description

- The data is calculated on the basis of data from the Working Group on Renewable Energy-Statistics (AGEE-Stat) and the Working Group on Energy Balances (AGEB), which compiles the annual German energy balance.

4. Access to data source

- AG Energiebilanzen: Evaluation Tables on the Energy Balance: https://ag-energiebilanzen.de/en/data-and-facts/evaluation-tables-on-the-energy-balance/
- Time series on the development of renewable energies in Germany (only available in German): https://www.umweltbundesamt.de/dokument/zeitreihen-zur-entwicklung-der-erneuerbaren

5. Metadata on source data

- Not available.

6. Timeliness and frequency

- Timeliness: t + 2 months
- Frequency: Annual

7. Calculation method

- Unit of measurement: Percentage
- Calculation:

$$\textbf{Renewable energy in final energy consumption} = \frac{\sum_i \text{Final energy consumption i [PJ]}}{\text{Total final energy consumption [PJ]}} \cdot 100[\%]$$

with i = {Renewable energy (except elcetricity); District heating from renewable energy; Electricity from renewable energy}