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

### 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:

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

with  $i = \{\text{Renewable energy (except electricity); District heating from renewable energy; Electricity from renewable energy}\}$