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 share in total final energy consumption**

1. General information on the time series

- Date of national metadata: 04 May 2022
- National data: http://sdg-indikatoren.de/en/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. Comparison with global metadata

- Date of global metadata: February 2021
- Global metadata: https://unstats.un.org/sdgs/metadata/files/Metadata-07-02-01.pdf
- The time series is compliant with the global metadata.

3. Data description

- The data is derived from the Energy Statistics of the UN.

4. Accessibility of source data

- Energy Statistics: https://unstats.un.org/unsd/energystats/data

5. Metadata on source data

- Not available.

6. Timeliness and frequency

- Timeliness: t + 24 months
- Frequency: Annual

7. Calculation method

- Unit of measurement: Percentage
- Calculation method:

$$\textbf{Share of RE in FEC} = \sum (TFC_i + TFC\ electricity \cdot Share\ in\ total\ output + TFC\ heat \cdot Share\ in\ total\ heat\ output_i)$$

RE = renewable energy
FEC = Final Energy Consumption
i = respective source of RE
TFC = Total Final Consumption

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 share in gross final energy consumption**

1. General information on the time series

- Date of national metadata: 04 May 2022
- National data: http://sdg-indikatoren.de/en/7-2-1/
- Definition: The time series measures the total energy produced by renewable sources as a share in gross final energy consumption. Renewable sources include solar, wind, ocean, hydropower, geothermal resources, and bioenergy.
- Disaggregation: Not available.

2. Comparison with global metadata

- Date of global metadata: February 2021
- Global metadata: https://unstats.un.org/sdgs/metadata/files/Metadata-07-02-01.pdf
- The time series is not compliant with the global metadata, but provides additional information. It is based on the national method for calculating the time series that differs in several definitions from the global metadata.

3. Data description

- The data is calculated and published by the Working Group on Renewable Energy-Statistics (AGEE-Stat) under the guidance of the Federal Ministry for Economic Affairs and Climate Action. The main data provider is the Working Group on Energy Balances (AGEB) which produces the German Energy Balance on an annual basis. The data on renewable energy includes solar radiation, geothermal energy and tidal energy. These can be harnessed either directly or indirectly in form of biomass, wind, hydropower, ambient heat and wave energy.

4. Accessibility of source data

- Time series on the development of renewable energies in Germany (only available in German): http://www.erneuerbare-energien.de/EE/Navigation/DE/Service/Erneuerbare_Energien_in_Zahlen/Zeitreihen/zeitreihen.html

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 method:

$$\textbf{Energy intensity} = \frac{\text{TPES [Mega Joule]}}{\text{GDP [EUR]}}$$