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: 18 May 2021
- National data: http://sdg-indikatoren.de/en/7-2-1/
- Definition: The time series pictures the total energy produced by renewable sources as a share in total 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 2020
- 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 are taken from the Energy Statistics and Balances of the International Energy Agency (IEA).

4. Accessibility of source data

- World Energy Balances:
http://www.oecd-ilibrary.org/energy/world-energy-balances_25186442
- World Energy Statistics:
http://www.oecd-ilibrary.org/energy/world-energy-statistics_25183885

5. Metadata on source data

- Energy Statistics Manual :
https://www.oecd-ilibrary.org/energy/energy-statistics-manual_9789264033986-en

6. Timeliness and frequency

- Timeliness: t + 32 months
- Frequency: Annual

7. Calculation method

- Unit of measurement: %
- Calculation method:

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

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: 18 May 2021
- National data: http://sdg-indikatoren.de/en/7-2-1/
- Definition: The time series pictures 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 2020
- 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 are calculated and published by the Working Group on Renewable Energy-Statistics (AGEE-Stat) under the guidance of the Federal Ministry for Economic Affairs. 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

- Data on renewable energy:
https://www.erneuerbare-energien.de/EE/Redaktion/DE/Downloads/zeitreihen-zurentwicklung-der-erneuerbaren-energien-in-deutschland-1990-2018-en.pdf&v=6

5. Metadata on source data

- “Time series for the development of renewable energy sources in Germany 1990 – 2018”
https://www.erneuerbare-energien.de/EE/Navigation/DE/Service/Erneuerbare_Energien_in_Zahlen/Zeitreihen/zeitreihen.html

6. Timeliness and frequency

- Timeliness: t + 1 year
- Frequency: Annual

7. Calculation method

- Unit of measurement: %
- Calculation method:

Complex calculation method. Please see metadata on source data or contact AGEE- Stat.