

SDG Goal 7	Affordable and clean energy
SDG Target 7.b	By 2030, expand infrastructure and upgrade technology for supplying modern and sustainable energy services for all in developing countries, in particular least developed countries, small island developing States and landlocked developing countries, in accordance with their respective programmes of support
SDG Indicator 7.b.1	Installed renewable energy-generating capacity in developing and developed countries (in watts per capita)
Time series	Installed renewable energy-generating capacity

1. General information on the time series

- Date of national metadata: 6 June 2024
- National data: <http://sdg-indicators.de/7-b-1/>
- Definition: The time series measures the installed renewable energy-generating capacity per capita.
- 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-07-0b-01.pdf>
- The time series is compliant with the UN metadata.

3. Data description

- The date for the installed renewable energy-generating comes from the International Renewable Energy Agency (IRENA).

The population data comes from the intercensal population updates, the basis of which is the last census conducted in 2011. The population data is rolled forward using statistical results on natural population change (births, deaths) and migrations. For 2010 to 2013, data for the current updating of population figures is based on the 1987 census (Federal Republic of Germany) and the population register as of 3 October 1990 (German Democratic Republic).

4. Access to data source

- Installed renewable electricity capacity:
https://pxweb.irena.org/pxweb/en/IRENASTAT/IRENASTAT__Power%20Capacity%20and%20Generation/Country_ELECSTAT_2024_H1.px/
- Population: reference date – GENESIS online 12411-0006:
<https://www-genesis.destatis.de/genesis//online?operation=table&code=12411-0006&bypass=true&language=en>

5. Metadata on source data

6. Timeliness and frequency

- Timeliness: Not available.
- Frequency: Annual

7. Calculation method

- Unit of measurement: Watts per capita
- Calculation:

$$\text{Installed renewable energy-} \\ \text{generating capacity per capita} = \frac{\text{Installed renewable energy-} \\ \text{generating capacity [W]}}{\text{Population [number]}}$$