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| SDG Goal 9 | Industry, innovation and infrastructure |
| SDG Target 9.1 | Develop quality, reliable, sustainable and resilient infrastructure, including regional and trans-border infrastructure, to support economic development and human well-being, with a focus on affordable and equitable access for all |
| SDG Indicator 9.1.1 | Proportion of the rural population who live within 2 km of an all-season road |
| Time series | Proportion of the rural population who live within 2 km of an all-season road |

1. General information on the time series

- Date of national metadata: 09 March 2022
- National data: <http://sdg-indikatoren.de/en/9-1-1/>
- Definition: The time series measures the share of a country's rural population that lives within 2 km of an all-season road.
- Disaggregation: Not available.

2. Comparison with global metadata

- Date of global metadata: September 2020
- Global metadata: <https://unstats.un.org/sdgs/metadata/files/Metadata-09-01-01.pdf>
- The time series is compliant with the global metadata.

3. Data description

- The data is based on a special evaluation by the Federal Statistical Office. The delineation of urban and rural areas is calculated in line with the "Degree of urbanisation" manual based on the "Worldpop population count raster data" as recommended in the global metadata. For the delineation of all-season roads a national data source is used. All-season roads are selected from the digital landscape model for Germany (DLM) and buffered over 2 km radius.

4. Accessibility of source data

- Unconstrained individual countries 2000-2020 UN-adjusted at 1km resolution data: <https://www.worldpop.org/geodata/listing?id=75>

5. Metadata on source data

- Digital elevation model (DGM10): https://sg.geodatenzentrum.de/web_public/gdz/dokumentation/deu/basis-dlm.pdf
- Unconstrained individual countries 2000-2020 UN-adjusted at 1km resolution data: <https://www.worldpop.org/geodata/listing?id=75>

6. Timeliness and frequency

- Timeliness: t + 6 months
- Frequency: Annual

7. Calculation method

- Unit of measurement: Percentage
- Calculation method:

$$\text{Rural Access Index} = \frac{\text{Rural population within 2 km of an all-season road [Number]}}{\text{Rural population [Number]}}$$