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 9.1.2	Passenger and freight volumes, by mode of transport
Time series	Passenger transport

1. General information on the time series

- Date of national metadata: 25 May 2021
- National data: http://sdg-indikatoren.de/en/9-1-2/
- Definition: The time series measures the transport performance regarding passengers in passenger-kilometres.
- Disaggregation: mode of transport

2. Comparison with global metadata

- Date of global metadata: July 2017
- Global metadata: https://unstats.un.org/sdgs/metadata/files/Metadata-09-01-02.pdf
- The time series is not compliant with the global metadata. In contrast to the global metadata the transport performance is measured in passenger-kilometres, not in total number of persons transported.

3. Data description

- Rail and Road public Transport: Produced by a primary survey. It is carried out as a complete inventory count with cut-off limit and takes place with the obligation to provide information. The owners or managers of the enterprises in the year of the last total survey (2014) are required to provide information.Air Transport: Includes the take-off and landings of domestic and foreign aircraft at domestic airfields, which have at least 150,000 passengers per year (domestic concept).The survey only includes commercial air traffic. Overflights over the inland are not included.Motorised private transport: The data are calculated by the German Institute for Economic Research (DIW Berlin Deutsches Institut für Wirtschaftsforschung e.V..) For the calculation of the persons carried and the transport services, a variety of data sources is evaluated.

4. Accessibility of source data

- Verkehr im Überblick (only available in German): Fachserie 8 reihe 1.2 - 2016: https://www.destatis.de/DE/Themen/Branchen-Unternehmen/Transport-Verkehr/Publikationen/Downloads-Querschnitt/verkehr-ueberblick-2080120167004.html

5. Metadata on source data

- Verkehr im Überblick (only available in German): Fachserie 8 reihe 1.2 - 2016: https://www.destatis.de/DE/Themen/Branchen-Unternehmen/Transport-Verkehr/Publikationen/Downloads-Querschnitt/verkehr-ueberblick-2080120167004.html

6. Timeliness and frequency

- Timeliness: t + 1 year
- Frequency: Annual

7. Calculation method

- Unit of measurement: Mn pkm
- Calculation method:

$$\textbf{Passenger transport} = \frac{\text{Transported persons [number]} \cdot \text{Kilometres traveled [km]}}{1{,}000{,}000}$$

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SDG Indicator 9.1.2	Passenger and freight volumes, by mode of transport
Time series	Freight transport

1. General information on the time series

- Date of national metadata: 25 May 2021
- National data: http://sdg-indikatoren.de/en/9-1-2/
- Definition: The time series measures the transport performance regarding freight in tonne-kilometrest.
- Disaggregation: mode of transport

2. Comparison with global metadata

- Date of global metadata: July 2017
- Global metadata: https://unstats.un.org/sdgs/metadata/files/Metadata-09-01-02.pdf
- The time series is not compliant with the global metadata. In contrast to the global metadata the transport performance is measured in tonne-kilometres, not in total number of tonnes transported.

3. Data description

- Rail and Road Transport: Produced by a primary survey. It is carried out as a complete inventory count with cut-off limit and takes place with the obligation to provide information. The owners or managers of the enterprises who carried freight are required to provide information.Air transport: Includes the take-off and landings of domestic and foreign aircraft at domestic airfields, which have at least 150,000 passengers per year (domestic concept).The survey only includes commercial air traffic. Overflights over the inland are not included.Inland waterway transport: Includes turnaround and transports of domestic and foreign vessels on inland waters (domestic concept). The freight and / or ship's guides, senders and receivers or their locally authorized representatives are obliged to provide information about all loading and unloading operations in German inland ports. Not included is the traffic of inland fishing, dredging, ferry and port traffic as well as transport for ship operation (fuel, provisions, etc.). The transit traffic is taken from the reports of the Federal Waterway Administration.Pipeline transport: Includes the input of crude oil into refineries. The data are provided by the Federal office for economic affairs and export control to Destatis on a monthly and annual basis. The transit and other transport volumes, which are not transported to refineries, is not included.

4. Accessibility of source data

- Verkehr im Überblick (only available in German): Fachserie 8 reihe 1.2 - 2016: https://www.destatis.de/DE/Themen/Branchen-Unternehmen/Transport-Verkehr/Publikationen/Downloads-Querschnitt/verkehr-ueberblick-2080120167004.html

5. Metadata on source data

- Verkehr im Überblick (only available in German): Fachserie 8 reihe 1.2 - 2016: https://www.destatis.de/DE/Themen/Branchen-Unternehmen/Transport-Verkehr/Publikationen/Downloads-Querschnitt/verkehr-ueberblick-2080120167004.html

6. Timeliness and frequency

- Timeliness: t + 1 year
- Frequency: Annual

7. Calculation method

- Unit of measurement: Mn tkm
- Calculation method:

$$\textbf{Freight transport} = \frac{\text{Transported tonnes}\,[t] \cdot \text{Kilometres traveled}\,[km]}{1{,}000{,}000}$$