SDG Goal 11	**Sustainable cities and communities**
SDG Target 11.6	**By 2030, reduce the adverse per capita environmental impact of cities, including by paying special attention to air quality and municipal and other waste management**
SDG Indicator 11.6.2	**Annual mean levels of fine particulate matter (e.g. PM2.5 and PM10) in cities (population weighted)**
Time series	**Population weighted annual mean levels of PM10**

1. General information on the time series

- Date of national metadata: 12 January 2022
- National data: http://sdg-indikatoren.de/en/11-6-2/
- Definition: The time series measures the average PM10 concentration per year in Germany, weighted by population.
- Disaggregation: Not available.

2. Comparison with global metadata

- Date of global metadata: July 2017
- Global metadata: https://unstats.un.org/sdgs/metadata/files/Metadata-11-06-02.pdf
- The time series is not compliant with the global metadata, but provides additional information. It does not cover the PM2.5 level but PM10. Furthermore, the time series is population weighted across urban and rural areas in Germany not only across urban areas.

3. Data description

- The data is derived from the German Environment Agency (UBA). The time series is calculated by combining modelled data from the REM-CALGRID chemical transport model, PM10 measurement data provided by the Federal States of Germany and the UBA and additional interpolation procedures.

4. Accessibility of source data

- Not available.

5. Metadata on source data

- Population exposed to PM2.5-concentrations exceeding the WHO annual mean guideline value: https://www.umweltbundesamt.de/en/data/environmental-indicators/indicator-population-exposure-to-particulate-matter

6. Timeliness and frequency

- Timeliness: Not available.
- Frequency: Annual

7. Calculation method

- Unit of measurement: Micrograms per cubic meters
- Calculation method:

Complex calculation method.

SDG Goal 11	**Sustainable cities and communities**
SDG Target 11.6	**By 2030, reduce the adverse per capita environmental impact of cities, including by paying special attention to air quality and municipal and other waste management**
SDG Indicator 11.6.2	**Annual mean levels of fine particulate matter (e.g. PM2.5 and PM10) in cities (population weighted)**
Time series	**Population with excessive exposure to fine particulate matter**

1. General information on the time series

- Date of national metadata: 12 January 2022
- National data: http://sdg-indikatoren.de/en/11-6-2/
- Definition: The time series shows the population exposed to a concentration of fine particulate matter higher than the thresholds defined by WHO.
- Disaggregation: fine particulate matter

2. Comparison with global metadata

- Date of global metadata: July 2017
- Global metadata: https://unstats.un.org/sdgs/metadata/files/Metadata-11-06-02.pdf
- The time series is not compliant with the global metadata, but provides additional information. It covers both PM2.5 and PM10, but the time series is population weighted across urban and rural areas in Germany, i.e. not only across urban areas. Instead of the mean levels of fine particulate matter, it shows the population number exposed to particulate matter higher than a certain level.

3. Data description

- The data is provided by the German Environment Agency (UBA). The time series is calculated by combining modelled data from the REM-CALGRID chemical transport model, PM10 measurement data provided by the Federal States of Germany and the UBA, a conversion to PM2.5 and additional interpolation procedures.

4. Accessibility of source data

- Population exposed to PM2.5-concentrations exceeding the WHO annual mean guideline value: https://www.umweltbundesamt.de/en/data/environmental-indicators/indicator-population-exposure-to-particulate-matter

5. Metadata on source data

- Population exposed to PM2.5-concentrations exceeding the WHO annual mean guideline value: https://www.umweltbundesamt.de/en/data/environmental-indicators/indicator-population-exposure-to-particulate-matter

6. Timeliness and frequency

- Timeliness: Not available.
- Frequency: Annual

7. Calculation method

- Unit of measurement:
- Calculation method:

Complex calculation method.