SDG Goal 6	**Clean water and sanitation**
SDG Target 6.3	**By 2030, improve water quality by reducing pollution, eliminating dumping and minimizing release of hazardous chemicals and materials, halving the proportion of untreated wastewater and substantially increasing recycling and safe reuse globally**
SDG Indicator 6.3.1	**Proportion of domestic and industrial wastewater flows safely treated**
Time series	**Wastewater safely treated**

1. General information on the time series

- Date of national metadata: 02 September 2021
- National data: http://sdg-indikatoren.de/en/6-3-1/
- Definition: The time series measures the amount of treated wastewater and the untreated wastewater that does not need to be treated.
- Disaggregation: treatment; type of waste water

2. Comparison with global metadata

- Date of global metadata: September 2020
- Global metadata: https://unstats.un.org/sdgs/metadata/files/Metadata-06-03-01.pdf
- The time series is compliant with the global metadata. Untreated wastewater that does not have to undergo treatment is considered to be safely treated.

3. Data description

- Data on public and non-public wastewater stems from the Federal Statistical Office. For untreated wastewater, the percentages of cooling water and other wastewater are listed in addition. According to the Federal Water Act wastewater that is passed into water bodies without treatment is monitored by the water authorities and the pollution of this water should not deteriorate the water quality of the respective water body. Therefore, all wastewater is considered to be safely treated. The time series includes the following time series:
1. Share of wastewater safely treated,
2. Share of untreated wastewater that does not have to undergo treatment,
2.1 Share of cooling water and
2.2 Share of other wastewater that does not have to undergo treatment.

4. Accessibility of source data

- Wastewater treated in wastewater treatment plants (only available in German):
https://www.destatis.de/DE/Themen/Gesellschaft-Umwelt/Umwelt/Wasserwirtschaft/_inhalt.html - sprg238684

5. Metadata on source data

- Wastewater treated in public wastewater treatment plants (only available in German):
https://www.destatis.de/DE/Themen/Gesellschaft-Umwelt/Umwelt/Wasserwirtschaft/_inhalt.html - sprg238684
- Wastewater treated in non-public wastewater treatment plants (only available in German):
https://www.destatis.de/DE/Themen/Gesellschaft-Umwelt/Umwelt/Wasserwirtschaft/_inhalt.html - sprg238684

6. Timeliness and frequency

- Timeliness: t + 18 months
- Frequency: Every 3 years

7. Calculation method

- Unit of measurement: %
- Calculation method:

$$\textbf{Wastewater safely treated} = \frac{\text{Treated wastewater and wastewater that is not considered to have to undergo treatment [1,000 m³]}}{\text{Total wastewater [1,000 m³]}} \cdot 100\,[\%]$$

$$\textbf{Cooling water} = \frac{\text{Cooling water [1,000 m³]}}{\text{Total wastewater [1,000 m³]}} \cdot 100\,[\%]$$

$$\textbf{Other wastewater} = \frac{\text{Other wastewater that does not have to undergo treatment [1,000 m³]}}{\text{Total wastewater [1,000 m³]}} \cdot 100\,[\%]$$