

SDG Goal 6 Clean water and sanitation

SDG Target 6.4 By 2030, substantially increase water-use efficiency across all sectors and ensure sustainable withdrawals and supply of freshwater to address water scarcity and substantially reduce the number of people suffering from water scarcity

SDG Indicator 6.4.1 Change in water-use efficiency over time

1. Name of data series	
Water use efficiency	
Compliant with SDG metadata: yes, but small deviation in the sectors included	SDG Metadata
2. Definition of indicator	
The indicator “change in water-use efficiency over time” measures the change in the ratio of the value added in relation to the volume of water use over time.	
3. Comparison with SDG metadata (as of 12/02/2018)	
According to the metadata, only irrigated agriculture is included in the calculation, whereas here all types of agriculture are considered. The currency used to calculate the water use efficiency is Euro and not US dollar.	
4. Data description	
<p>The sectors included to calculate the water use efficiency are: agriculture (including forestry and fishery); mining and quarrying; manufacturing; electricity, gas, steam and air conditioning supply; constructions and all service sectors. The sectors correspond to the ISIC classification A-T. Water use efficiency (WUE) is defined as the water used per unit of production (in terms of gross value added in Euro). The data on GDP is calculated by the Federal Statistical Office's National Accounts as a secondary statistic. GDP is adjusted based on a price base changing every year (previous year's price base). After several revisions due to new data input, final results are available four years after the first preliminary release.</p> <p>Change in water use efficiency (CWUE) depicts the development of water use efficiency in relation to a baseline year (in this case year 2010).</p>	
5. Calculation method	
$CWUE = \frac{WUE_t - WUE_{t-1}}{WUE_{t-1}} * 100$	
6. Unit of measure	%

7. Timeliness	8. Frequency
Not available	Triannual
9. Last regular revision	10. Revised period
Not applicable	Not applicable

11. Accessibility of source data
<p>Water used by each sector in the economy (Only available in German): https://www.destatis.de/DE/Themen/Gesellschaft-Umwelt/Umwelt/Materialfluesse-Energiefluesse/_inhalt.html#sprg238692</p> <p>Data on the gross value added for each sector: https://www.destatis.de/DE/Themen/Wirtschaft/Volkswirtschaftliche-Gesamtrechnungen-Inlandsprodukt/_inhalt.html#sprg233858</p>
12. Metadata on source data
<p>Metadata on the gross value added for each sectors (Only available in German): https://www.destatis.de/DE/Methoden/Qualitaet/Qualitaetsberichte/Volkswirtschaftliche-Gesamtrechnungen/einfuehrung.html</p>
13. Related SDG data series (duplicate indicators or sub-indicators to same indicator)
Not applicable

For more information please contact:

<https://www.destatis.de/EN/Service/Contact/Contact.html>