

SDG Goal 8 Decent work and economic growth

SDG Target 8.2 Achieve higher levels of economic productivity through diversification, technological upgrading and innovation, including through a focus on high-value added and labour-intensive sectors

SDG Indicator 8.2.1 Annual growth rate of real GDP per employed person

Time series Annual growth rate of real GDP per employed person

1. General information on the time series

- Date of national metadata: 04 November 2021
- National data: <http://sdg-indikatoren.de/en/8-2-1/>
- Definition: The time series shows the annual growth rate of real gross domestic product (GDP) per person employed. The time series represents a measure of labour productivity (LabProd) growth in a country (domestic concept).
- Disaggregation: Not available.

2. Comparison with global metadata

- Date of global metadata: January 2021
- Global metadata: <https://unstats.un.org/sdgs/metadata/files/Metadata-08-02-01.pdf>
- The time series is compliant with the global metadata. GDP is not calculated in constant 2010 US dollar but in constant 2015 euro.

3. Data description

- 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. Persons employed are defined according to the labour force concept of the International Labour Organization. After several revisions due to new data input, final results are available four years after the first preliminary release.

4. Accessibility of source data

- National accounts - Gross value added, gross domestic product (nominal/price-adjusted) – GENESIS online 81000-0001:
<https://www-genesis.destatis.de/genesis//online?operation=table&code=81000-0001&bypass=true&language=en>
- National accounts - Population, employment – GENESIS online 81000-0011:
<https://www-genesis.destatis.de/genesis//online?operation=table&code=81000-0011&bypass=true&language=en>

5. Metadata on source data

- Quality Report - National Accounts:
<https://www.destatis.de/EN/Methods/Quality/QualityReports/National-Accounts-Domestic-Product/national-accounts.pdf>
- Quality Report - Employment Accounts as Part of National Accounts (only available in German):
<https://www.destatis.de/DE/Methoden/Qualitaet/Qualitaetsberichte/Arbeitsmarkt/erwerbstrechnung-vgr.pdf>

6. Timeliness and frequency

- Timeliness: t + 8 months (first results mid-January)
- Frequency: Annual

7. Calculation method

- Unit of measurement: Percentage
- Calculation method:

$$\text{LabProd} = \frac{\text{Real GDP [EUR]}}{\text{Persons employed [number]}}$$

$$\text{Annual growth rate} = \frac{\text{LabProd}_t - \text{LabProd}_{t-1}}{\text{LabProd}_{t-1}} \cdot 100 [\%]$$