DESTATIS
Statistisches Bundesamt | **ZIELE FÜR NACHHALTIGE ENTWICKLUNG**

SDG Goal 15	**Life on land**
SDG Target 15.2	**By 2020, promote the implementation of sustainable management of all types of forests, halt deforestation, restore degraded forests and substantially increase afforestation and reforestation globally**
SDG Indicator 15.2.1	**Progress towards sustainable forest management**
Time series	**Above-ground biomass stock in forest**

1. General information on the time series

- Date of national metadata: 30 September 2021
- National data: http://sdg-indikatoren.de/en/15-2-1/
- Definition: The time series shows the carbon balance for the forest ecosystem above ground.
- Disaggregation: Not available.

2. Comparison with global metadata

- Date of global metadata: March 2019
- Global metadata: https://unstats.un.org/sdgs/metadata/files/Metadata-15-02-01.pdf
- The time series is partly compliant with the global metadata. It measures the total biomass stock in forest instead of the above-ground biomass stock in forest.

3. Data description

- Data on carbon balance for the forest ecosystem are part of the annual publication of the environmental economic accounting in Germany. Data are calculated by Thünen Institute on behalf of the Federal Statistical Office.
The data collection was methodologically updated in 2014. Therefore, data before and after this year cannot be compared.

4. Accessibility of source data

5. Metadata on source data

- Economic Accounts for Forestry (only available in German): "Waldgesamtrechnung":
https://www.destatis.de/DE/Themen/Gesellschaft-Umwelt/Umwelt/UGR/landwirtschaft-wald/Publikationen/Downloads/waldgesamtrechnung-tabellenband-pdf-5852102.html

6. Timeliness and frequency

- Timeliness: t + 2 years
- Frequency: Annual

7. Calculation method

- Unit of measurement: Mn t

- Calculation method:

Carbon balance $=$ Standing timber [Mn t] $+$ Other woody biomass [Mn t] $+$ Other biomass in forest [Mn t]

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SDG Indicator 15.2.1	Progress towards sustainable forest management
Time series	Forest area located within protected areas

1. General information on the time series

- Date of national metadata: 30 September 2021
- National data: http://sdg-indikatoren.de/en/15-2-1/
- Definition: The time series shows the proportion of forest area within protected area.
- Disaggregation: Not available.

2. Comparison with global metadata

- Date of global metadata: March 2019
- Global metadata: https://unstats.un.org/sdgs/metadata/files/Metadata-15-02-01.pdf
- The time series is compliant with the global metadata.

3. Data description

- The data on forest area located within protected areas is taken from a query on biosphere reserve and national parks with corresponding proportion of forest areas.

4. Accessibility of source data

5. Metadata on source data

Not available.

6. Timeliness and frequency

- Timeliness: Not available.
- Frequency: One-time

7. Calculation method

- Unit of measurement: %
- Calculation method:

$$\text{Forest area located within protected areas} = \frac{\text{Forest in biosphere reserve [ha]} + \text{Forest in national parks [ha]}}{\text{Total forest area [ha]}} \cdot 100 \, [\%]$$

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SDG Indicator 15.2.1	Progress towards sustainable forest management
Time series	Forest area net change rate

1. General information on the time series

- Date of national metadata: 30 September 2021
- National data: http://sdg-indikatoren.de/en/15-2-1/
- Definition: The time series measures the change rate of forest area between the years.
- Disaggregation: Not available.

2. Comparison with global metadata

- Date of global metadata: March 2019
- Global metadata: https://unstats.un.org/sdgs/metadata/files/Metadata-15-02-01.pdf
- The time series is compliant with the global metadata. The change in forest area loss rate is based on a comparison of the current forest area net change rate with the baseline forest area net change rate for the period 2010-2015.

3. Data description

- The data on forest area and land area have been taken from the statistical areal survey of the Federal Statistical Office. The data are collected by th statistical areal survey by type of actual use in the public land survey registers of the Länder. Until 2015 the catalogue was based on the nomenclature of the automated real estate books (ALB). Since 2016 the ALKIS type of use catalogue is applied, due to a methodological change. Data are now obtained by evaluation according to the ALKIS (Official Land Registry Information System) usage catalogue.

4. Accessibility of source data

- Soil area (actual use): types of use – GENESIS online 33111-0001: https://www-genesis.destatis.de/genesis//online?operation=table&code=33111-0001&bypass=true&language=en

5. Metadata on source data

- Quality Report - Area survey by Type of Actual Use (only available in German): https://www.destatis.de/DE/Methoden/Qualitaet/Qualitaetsberichte/Land-Forstwirtschaft-Fischerei/flaechenerhebung.pdf

6. Timeliness and frequency

- Timeliness: t + 11 months
- Frequency: Annual

7. Calculation method

- Unit of measurement: %

- Calculation method:

$$\textbf{Forest area (FA) net change rate} = \frac{FA_t - FA_{t-1}}{FA_{t-1}} \cdot 100 \, [\%]$$

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SDG Indicator 15.2.1	Progress towards sustainable forest management
Time series	Forest area under an independently verified forest management certification scheme

1. General information on the time series

- Date of national metadata: 30 September 2021

- National data: http://sdg-indikatoren.de/en/15-2-1/

- Definition: The time series measures the proportion of forest area under the Programme for the Endorsement of Forest Certification Schemes (PEFC).

- Disaggregation: Not available.

2. Comparison with global metadata

- Date of global metadata: March 2019

- Global metadata: https://unstats.un.org/sdgs/metadata/files/Metadata-15-02-01.pdf

- The time series is compliant with the global metadata.

3. Data description

- The data on proportion of forest area under the Programme for the Endorsement of Forest Certification Schemes (PEFC) is calculated by the German Environment Agency on the basis of data from Federal Agency for Nature Conservation, PEFC and National Forest Inventory.

4. Accessibility of source data

- Sustainable Forestry:
https://www.umweltbundesamt.de/en/data/environmental-indicators/indicator-sustainable-forestry

5. Metadata on source data

- Sustainable Forestry:
https://www.umweltbundesamt.de/en/indicator-sustainable-forestry

6. Timeliness and frequency

- Timeliness: t + 3.5 months

- Frequency: Annual

7. Calculation method

- Unit of measurement: %

- Calculation method:

Not applicable.