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

1. Name of data series	
Above-ground biomass stock in forest	
Compliant with SDG metadata: yes, sub-indicator	SDG Metadata

2. Definition of indicator
The indicator shows the carbon balance for the forest ecosystem above ground.
3. Comparison with SDG metadata (as of 03/2019)
The indicator measures the total biomass stock in forest instead of the above-ground biomass stock in forest.

4. Data description	
Data on carbon balance for the forest ecosystem is part of the yearly publication of the environmental economic accounting in Germany. Data is 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.	
5. Calculation method	
Carbon balance = ∑Standing timber, other woody biomass, other biomass in forest	
6. Unit of measure	Mn t

7. Timeliness	8. Frequency
t + 2 years	Annual
9. Last regular revision	10. Revised period
2017	2014

11. Accessibility of source data
Economic Accounts for Forestry (Only available in German): https://www.destatis.de/DE/Themen/Gesellschaft-Umwelt/Umwelt/Publikationen/Querschnitt-Sonstiges/waldgesamtrechnung-tabellenband-5852102167004.html
12. Metadata on source data
Economic Accounts for Forestry (Only available in German): https://www.destatis.de/DE/Themen/Gesellschaft-Umwelt/Umwelt/Publikationen/Querschnitt-Sonstiges/waldgesamtrechnung-5850019159004.html
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

SDG Goal 15 Life on land

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SDG Indicator 15.2.1 Progress towards sustainable forest management

1. Name of data series	
Forest area annual net change rate	
Compliant with SDG metadata: yes, sub-indicator	SDG Metadata

2. Definition of indicator
The indicator measures the change rate of forest area between the years.
3. Comparison with SDG metadata (as of 03/2019)
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.

4. Data description	
The data on forest area and land area have been taken from the area survey of the Federal Statistical Office. The data is collected by the area 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 is now obtained by evaluation according to the ALKIS (Official Land Registry Information System) usage catalog.	
5. Calculation method	
Forest area (FA) net change rate $= \frac{FA_t - FA_{t-1}}{FA_{t-1}} * 100$	
6. Unit of measure	%

7. Timeliness	8. Frequency
t + 11 months	Annual
9. Last regular revision	10. Revised period
Not applicable	Not applicable

11. Accessibility of source data
GENESIS online 33111-0003, Soil area (actual use): Germany, reference date (until 2015-12-31), types of use GENESIS online 33111-0001, Soil area (actual use): Germany, reference date, types of use
12. Metadata on source data
Quality report of area survey (Only available in German): https://www.destatis.de/DE/Methoden/Qualitaet/Qualitaetsberichte/Land-Forstwirtschaft-Fischerei/einfuehrung.html
13. Related SDG data series (duplicate indicators or sub-indicators to same indicator)
Not applicable

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SDG Indicator 15.2.1 Progress towards sustainable forest management

1. Name of data series	
Forest area located within protected areas	
Compliant with SDG metadata: yes, sub-indicator	SDG Metadata

2. Definition of indicator
The indicator shows the proportion of forest area within protected area.
3. Comparison with SDG metadata (as of 03/2019)
The indicator is compliant with the international metadata description of the SDG indicator 15.2.1.

4. 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.	
5. Calculation method	
Forest area located within protected areas = $\frac{\text{Forest in biosphere reserve (ha) + forest in national parks (ha)}}{\text{total forest area (ha)}}$	
6. Unit of measure	%

7. Timeliness	8. Frequency
Not available	One-time
9. Last regular revision	10. Revised period
Not available	Not available

11. Accessibility of source data
Special evaluation
12. Metadata on source data
Not available
13. Related SDG data series (duplicate indicators or sub-indicators to same indicator)
Not applicable

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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

1. Name of data series	
Forest area under an independently verified forest management certification scheme	
Compliant with SDG metadata: yes, sub-indicator	SDG Metadata

2. Definition of indicator
The indicator measures the proportion of forest area under the Programme for the Endorsement of Forest Certification Schemes (PEFC).
3. Comparison with SDG metadata (as of 02/2018)
The indicator is compliant with the international metadata description of the SDG indicator 15.2.1.

4. 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.	
5. Calculation method	
Data is taken over directly from UBA	
6. Unit of measure	%

7. Timeliness	8. Frequency
t + 1 year	Annual
9. Last regular revision	10. Revised period
Not available	Not available

11. Accessibility of source data
Sustainable Forestry: https://www.umweltbundesamt.de/en/indicator-sustainable-forestry
12. Metadata on source data
Sustainable Forestry: https://www.umweltbundesamt.de/en/indicator-sustainable-forestry
13. Related SDG data series (duplicate indicators or sub-indicators to same indicator)
Not applicable

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