

SDG Goal 15

Life on land

SDG Target 15.1

By 2020, ensure the conservation, restoration and sustainable use of terrestrial and inland freshwater ecosystems and their services, in particular forests, wetlands, mountains and drylands, in line with obligations under international agreements

SDG Indicator 15.1.2

Proportion of important sites for terrestrial and freshwater biodiversity that are covered by protected areas, by ecosystem type

Time series

Terrestrial and freshwater Key Biodiversity Areas (KBAs) covered by protected areas

1. General information on the time series

- Date of national metadata: 02 December 2021
- National data: <http://sdg-indikatoren.de/en/15-1-2/>
- Definition: The time series measures the proportion of terrestrial and freshwater Key Biodiversity Areas (KBAs) that is covered by protected areas.
- Disaggregation: Not available.

2. Comparison with global metadata

- Date of global metadata: July 2021
- Global metadata: <https://unstats.un.org/sdgs/metadata/files/Metadata-15-01-02.pdf>
- The time series is compliant with the global metadata.

3. Data description

- The data are gained as part of the area survey of the Federal Statistical Office, which categorizes the surface by land cover or land use. The main categories are settlement, transportation, vegetation and water surfaces, which are further subdivided into different subtypes. The area survey as a total calculation is based on administrative data of the Official Real Estate Cadastre of the Länder (federal states).

Until 2015, the data was derived from the old Automated Real Estate Books (ALB). Since 2016 the Authoritative Real Estate Cadastre Information System (ALKIS) is used nation-wide in all Länder. With that semantic change a new land use type catalogue was applied. Therefore, a data comparison between the reference year 2016 and earlier years leads partly to inconsistencies. From 2016 on the time line is consistent again.

4. Accessibility of source data

- Data on protected areas:
<https://www.protectedplanet.net/country/DEU>
- Special evaluation of the Land cover model for Germany (LBM-DE) (only available in German):
<https://gdz.bkg.bund.de/index.php/default/digitales-landbedeckungsmodell-fur-deutschland-stand-2018-lbm-de2018.html>
- Data on Key Biodiversity Areas (only available in German):
<https://bergenhusen.nabu.de/forschung/ibas/index.html>

5. Metadata on source data

- Metadata on protected areas:
<https://www.protectedplanet.net/en/thematic-areas/wdpa?tab=Methodology>
- The time series is based on special evaluation by the Federal Agency for Cartography and Geodesy.
Source data 2015 (only available in German):
<https://gdz.bkg.bund.de/index.php/default/digitales-landbedeckungsmodell-fur-deutschland-stand-2015-lbm-de2015.html>
- The time series is based on special evaluation by the Federal Agency for Cartography and Geodesy.
Source data 2018 (only available in German):
<https://gdz.bkg.bund.de/index.php/default/digitales-landbedeckungsmodell-fur-deutschland-stand-2018-lbm-de2018.html>
- Data on Key Biodiversity Areas (only available in German):
<https://bergenhusen.nabu.de/forschung/ibas/index.html>

6. Timeliness and frequency

- Timeliness: Not applicable.
- Frequency: Annual

7. Calculation method

- Unit of measurement: Percentage
- Calculation method:

$$\text{Key Biodiversity Areas (KBAs) covered by protected areas} = \frac{\text{Protected land KBA}}{\text{Total area of land KBA}} \cdot 100 [\%]$$

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Proportion of important sites for terrestrial and freshwater biodiversity that are covered by protected areas, by ecosystem type

Time series

Terrestrial and freshwater areas covered by protected areas

1. General information on the time series

- Date of national metadata: 02 December 2021
- National data: <http://sdg-indikatoren.de/en/15-1-2/>
- Definition: The time series measures the protected terrestrial and freshwater area in relation to the total terrestrial and freshwater area.
- Disaggregation: Not available.

2. Comparison with global metadata

- Date of global metadata: July 2021
- Global metadata: <https://unstats.un.org/sdgs/metadata/files/Metadata-15-01-02.pdf>
- The time series is not compliant with the global metadata, but provides additional information.

3. Data description

- For the calculation of the terrestrial and freshwater area under protection, all protected areas except for nature parks and UNESCO-MAB Biosphere reserves are considered. Data on protected areas was downloaded from the Protected Planet webpage. To distinguish marine from terrestrial and freshwater areas, definitions of the Digital Land Cover Model (LBM-DE) and the Water Framework Directive (2000/60/EC) were taken into account.

4. Accessibility of source data

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6. Timeliness and frequency

- Timeliness: Not applicable.
- Frequency: Annual

7. Calculation method

- Unit of measurement: Percentage
- Calculation method:

$$\text{Protected terrestrial area} = \frac{\text{Protected terrestrial area}}{\text{Total terrestrial area}} \cdot 100 [\%]$$