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: 31 August 2022
- National data: http://sdg-indicators.de/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. Comparability with the UN metadata

- Date of UN metadata: July 2022
- UN metadata: https://unstats.un.org/sdgs/metadata/files/Metadata-15-02-01.pdf
- The time series is partly compliant with the UN metadata. It is calculated as the percentage of Key Biodiversity Areas covered by protected areas and not the mean percentage of each Key Biodiversity Area that is covered by protected areas.

3. Data description

- The data is based on a special evaluation. 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. Data on Key Biodiversity Areas was provided by the Nature And Biodiversity Conservation Union (NABU) for Germany. 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. To be as precise as possible, the time series is calculated as the percentage of Key Biodiversity Areas covered by protected areas and not the mean percentage of each Key Biodiversity Area that is covered by protected areas as described in the UN metadata.

4. Access to data source

- Data on protected areas:
  https://www.protectedplanet.net/country/DEU
- 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
- Digital Land Cover Model for Germany, state 2015 (LBM-DE2015) (only available in German):
  https://gdz.bkg.bund.de/index.php/default/digitales-landbedeckungsmodell-fur-deutschland-stand-2015-lbm-de2015.html
- Digital Land Cover Model for Germany, state 2018 (LBM-DE2018) (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; Hectare
- Calculation:

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

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 areas covered by protected areas

1. General information on the time series
- Date of national metadata: 31 August 2022
- National data: http://sdg-indicators.de/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. Comparability with the UN metadata
- Date of UN metadata: July 2022
- UN metadata: https://unstats.un.org/sdgs/metadata/files/Metadata-15-02-01.pdf
- The time series is not compliant with the UN metadata, but provides additional information.

3. Data description
- The data is based on a special evaluation. 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. Access to data source
- Data on protected areas:
  https://www.protectedplanet.net/country/DEU

5. Metadata on source data
- Metadata on protected areas:
  https://www.protectedplanet.net/en/thematic-areas/wdpa?tab=Methodology
- Digital Land Cover Model for Germany, state 2015 (LBM-DE2015) (only available in German):
  https://gdz.bkg.bund.de/index.php/default/digitales-landbedeckungsmodell-fur-deutschland-stand-2015-lbm-de2015.html
- Digital Land Cover Model for Germany, state 2018 (LBM-DE2018) (only available in German):
  https://gdz.bkg.bund.de/index.php/default/digitales-landbedeckungsmodell-fur-deutschland-stand-2018-lbm-de2018.html

6. Timeliness and frequency
- Timeliness: Not applicable.
- Frequency: Annual

7. Calculation method

- Unit of measurement: Percentage; Hectare
- Calculation:

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

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 areas covered by effective protected areas

1. General information on the time series

- Date of national metadata: 20 April 2023
- National data: http://sdg-indicators.de/15-1-2/
- Definition: The time series measures the effective protected terrestrial and freshwater area in relation to the total terrestrial and freshwater area.
- Disaggregation: Not available.

2. Comparability with the UN metadata

- Date of UN metadata: March 2022
- UN metadata: https://unstats.un.org/sdgs/metadata/files/Metadata-15-02-01.pdf
- The time series is not compliant with the UN metadata, but provides additional information.

3. Data description

- The data is based on a special evaluation. For the calculation of the terrestrial and freshwater area under protection, all effective protected areas (Core zones of UNESCO-MAB Biosphere Reserve, National Parks, Nature Reserve, Special Protection Area (Birds Directive)) are considered. Data on protected areas was downloaded from the Protected Planet webpage and data on Core zones of UNESCO-MAB Biosphere Reserve have been delivered by the Federal Agency for Nature Conservation (BfN). 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. Access to data source

- Data on protected areas:
  https://www.protectedplanet.net/country/DEU
- FFH Areas:
  https://geodienste.bfn.de/schutzgebiete?lang=en

5. Metadata on source data

- Metadata on protected areas:
  https://www.protectedplanet.net/en/thematic-areas/wdpa?tab=Methodology
- Digital Land Cover Model for Germany, state 2015 (LBM-DE2015) (only available in German):
  https://gdz.bkg.bund.de/index.php/default/digitales-landbedeckungsmodell-fur-deutschland-stand-2015-lbm-de2015.html
- Digital Land Cover Model for Germany, state 2018 (LBM-DE2018) (only available in German):
  https://gdz.bkg.bund.de/index.php/default/digitales-landbedeckungsmodell-fur-deutschland-stand-2018-lbm-de2018.html
- Metadata on core zones of UNESCO-MAB Biosphere Reserve and Flora Fauna Habitats:
  https://geodienste.bfn.de/schutzgebiete?lang=en

6. Timeliness and frequency

- Timeliness: Not applicable.
- Frequency: Annual

7. Calculation method

- Unit of measurement: Percentage; Hectare
- Calculation:

$$\textbf{Terrestrial effective protected areas} = \frac{\textit{Terrestrial effective protected areas [ha]}}{\textit{Total terrerstrial area [ha]}} \cdot 100 \: [\%]$$