SDG Goal 14	Life below water
SDG Target 14.5	**By 2020, conserve at least 10 per cent of coastal and marine areas, consistent with national and international law and based on the best available scientific information**
SDG Indicator 14.5.1	**Coverage of protected areas in relation to marine areas**
Time series	**Marine Key Biodiversity Areas (KBAs) covered by protected areas**

1. General information on the time series

- Date of national metadata: 15 November 2022
- National data: http://sdg-indicators.de/14-5-1/
- Definition: The time series measures the proportion of marine Key Biodiversity Areas (KBAs) that is covered by protected areas.
- Disaggregation: Not available.

2. Comparability with the UN metadata

- Date of UN metadata: July 2024
- UN metadata: https://unstats.un.org/sdgs/metadata/files/Metadata-14-05-01.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 marine 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. Marine waters include the territorial waters and the Exclusive Economic Zone (EEZ) of Germany. To distinguish marine from terrestrial 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:

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

SDG Goal 14	Life below water
SDG Target 14.5	**By 2020, conserve at least 10 per cent of coastal and marine areas, consistent with national and international law and based on the best available scientific information**
SDG Indicator 14.5.1	**Coverage of protected areas in relation to marine areas**
Time series	**Marine areas covered by protected areas**

1. General information on the time series

- Date of national metadata: 15 November 2022
- National data: http://sdg-indicators.de/14-5-1/
- Definition: The time series measures the protected marine area in relation to the total marine area.
- Disaggregation: Not available.

2. Comparability with the UN metadata

- Date of UN metadata: July 2024
- UN metadata: https://unstats.un.org/sdgs/metadata/files/Metadata-14-05-01.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 marine 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. Marine waters include the territorial waters and the Exclusive Economic Zone (EEZ) of Germany. To distinguish marine from terrestrial 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:

$$\textbf{Protected marine areas} = \frac{\text{Protected marine areas in marine, coastal, and transitional waters [ha]}}{\text{Total area of marine, coastal, and transitional waters [ha]}} \cdot 100 \, [\%]$$

SDG Goal 14   **Life below water**

SDG Target 14.5   **By 2020, conserve at least 10 per cent of coastal and marine areas, consistent with national and international law and based on the best available scientific information**

SDG Indicator 14.5.1   **Coverage of protected areas in relation to marine areas**

Time series   **Marine areas covered by effective protected areas**

1. General information on the time series

- Date of national metadata: 17 April 2023
- National data: http://sdg-indicators.de/14-5-1/
- Definition: The time series measures the effective protected marine area in relation to the total marine area.
- Disaggregation: Not available.

2. Comparability with the UN metadata

- Date of UN metadata: July 2024
- UN metadata: https://unstats.un.org/sdgs/metadata/files/Metadata-14-05-01.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 marine area under protection, only 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). Marine waters include the territorial waters and the Exclusive Economic Zone (EEZ) of Germany. To distinguish marine from terrestrial 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:

$$\textbf{Marine effective protected areas} = \frac{\textit{Marine effective protected areas [ha]}}{\textit{Total marine area [ha]}} \cdot 100 \; [\%]$$