

**SDG Goal 14**

**Life below water**

**SDG Target 14.3**

**Minimize and address the impacts of ocean acidification, including through enhanced scientific cooperation at all levels**

**SDG Indicator 14.3.1**

**Average marine acidity (pH) measured at agreed suite of representative sampling stations**

**Time series**

**Average pH-concentration in the German Bight**

**1. General information on the time series**

- Date of national metadata: 1 September 2022
- National data: <http://sdg-indicators.de/14-3-1/>
- Definition: The time series measures the average pH-concentration in the German Bight (North Sea).
- Disaggregation: Not available.

**2. Comparability with the global metadata**

- Date of global metadata: March 2022
- Global metadata: <https://unstats.un.org/sdgs/metadata/files/Metadata-14-03-01.pdf>
- The time series is not compliant with the global metadata, but provides additional information. The global metadata request the measurement of at least two of four defined parameters. This time series only depicts the average pH-concentration.

**3. Data description**

- The data is based on a special evaluation and depicts the ph.-values at the surface of the water. Furthermore it shows only the average value in January of each year in order to eliminate seasonal differences.

**4. Access to data source**

- Not available.

**5. Metadata on source data**

- Condition of the North Sea (only available in German):  
[https://www.bsh.de/DE/PUBLIKATIONEN/Nordseezustand\\_Aktuell/nordseezustand\\_aktuell\\_node.html](https://www.bsh.de/DE/PUBLIKATIONEN/Nordseezustand_Aktuell/nordseezustand_aktuell_node.html)

**6. Timeliness and frequency**

- Timeliness: Not available.
- Frequency: Irregular

## 7. Calculation method

- Unit of measurement: pH-value
- Calculation:

$$\text{Average ph concentration} = \frac{\sum_i^n \text{ph concentration } i}{n}$$