DESTATIS | **ZIELE FÜR NACHHALTIGE ENTWICKLUNG**
Statistisches Bundesamt

SDG Goal 15	**Life on land**
SDG Target 15.4	**By 2030, ensure the conservation of mountain ecosystems, including their biodiversity, in order to enhance their capacity to provide benefits that are essential for sustainable development**
SDG Indicator 15.4.2	**Mountain Green Cover Index**
Time series	**"Mountain Green Cover" Index**

1. General information on the time series

- Date of national metadata: 13 August 2021

- National data: http://sdg-indikatoren.de/en/15-4-2/

- Definition: The time series calculates the share of the mountain area that is covered with less than 20 % by settlement and can be classified as forest, grassland or cropland according to the IPCC land cover classification.
- Disaggregation: classification

2. Comparison with global metadata

- Date of global metadata: February 2021

- Global metadata: https://unstats.un.org/sdgs/metadata/files/Metadata-15-04-02.pdf

- The time series is compliant with the global metadata. The calculation is based on nationally available remote sensing data and geodata, and not on the Collect Earth data, as requested in the global metadata.

3. Data description

- The calculation of the time series and the original data stem from the Federal Agency for Cartography and Geodesy. For the identification of mountain areas, data of the digital terrain model (DGM) are used. It provides information on the altitude of the entire country with a resolution of 10 meters.
Information on land cover and land use categories stems from land cover model for Germany (LBM-DE). Data are a resampled vector data set resampled to a spatial resolution of 10 meters. Areas that can be classified as cropland, forest or grassland according to the IPCC land cover classification are counted as green cover.

4. Accessibility of source data

5. Metadata on source data

- The time series is based on special evaluation by the Federal Agency for Cartography and Geodesy (Bundesamt für Kartographie und Geodäsie - BKG). Source data are not publicly available.

6. Timeliness and frequency

- Timeliness: t + 6 months
- Frequency: Every 3 years

7. Calculation method

- Unit of measurement: %

- Calculation method:

$$\textbf{"Mountain Green Cover" Index} = \frac{\text{Mountain area covered by forest, grassland or cropland}}{\text{Total mountain area}} \cdot 100\,[\%]$$