

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

1. Name of data series	
Mountain Green Cover Index	
Compliant with SDG metadata: yes	SDG Metadata

2. Definition of indicator
The indicator 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.
3. Comparison with SDG metadata (as of 11/07/2017)
The indicator is compliant with the international metadata description. The calculation is based on nationally available remote sensing data and geodata and not on the Collect Earth data, as suggested in the SDG metadata description.

4. Data description	
<p>The calculation of the indicator and the original data stems from the Federal Agency for Cartography and Geodesy. For the identification of mountain areas, data of the digital terrain model (DGM) is used. It provides information on the altitude of the entire country with a resolution of 10 meters.</p> <p>Information on land cover and land use categories stems from land cover model for Germany (LBM-DE). Data is 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.</p>	
5. Calculation method	
Mountain Green Cover Index = $\frac{\text{mountain area covered by forest, grassland or cropland}}{\text{total mountain area}}$	
6. Unit of measure	%

7. Timeliness	8. Frequency
t + 6 months	Triennial
9. Last regular revision	10. Revised period
Not available	Not available

11. Accessibility of source data
Special evaluation by the Federal Agency for Cartography and Geodesy.
12. Metadata on source data
Land cover model for Germany (LBM-DE) (Only available in German): http://www.geodatenzentrum.de/docpdf/lbm-de2015.pdf http://www.geodatenzentrum.de/docpdf/lbm-de2018.pdf Digital terrain model (DGM) (Only available in German): http://www.geodatenzentrum.de/docpdf/dgm10.pdf
13. Related SDG data series (duplicate indicators or sub-indicators to same indicator)
Not applicable

For more information please contact:

<https://www.destatis.de/EN/Service/Contact/Contact.html>