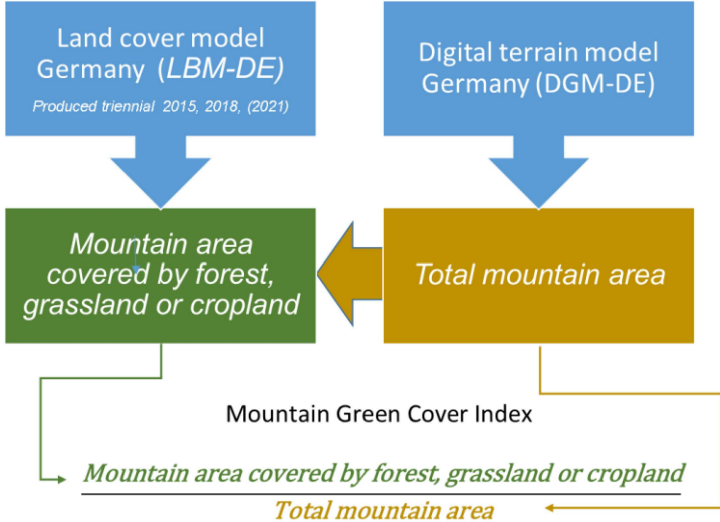


Country Use Case of EO Use for SDG Indicator	
SDG Indicator/Sub-indicator	15.4.2 (mountain green cover index)
Country or region	Germany
Status (please check)	<p><input checked="" type="checkbox"/> being used in official SDG Indicator reporting</p> <p><input type="checkbox"/> being verified or tested by country</p> <p><input type="checkbox"/> studying feasibility</p>
Earth Observation Data Used and its links	Earth observation data has being used to derive the geospatial data products described
Additional/ Other Data Used and its links	<p><i>Information on land cover and land use categories stems from land cover model for Germany (LBM-DE).</i></p> <p>http://www.geodatenzentrum.de/docpdf/lbm-de2015.pdf</p> <p>http://www.geodatenzentrum.de/docpdf/lbm-de2018.pdf</p> <p><i>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.</i></p> <p>http://www.geodatenzentrum.de/docpdf/dgm10.pdf</p>
Description of data access, processing, and analysis, including methodology that was developed, associated tools or applications, and how these are applied to compute SDG Indicator	<p><i>The data used for the derivation of the indicator values are national geospatial data provided and produced by the BKG. The used geospatial datasets are the German Land Cover Model (LBM-DE), and the German Terrain Model (DGM-DE). The products are derived from remote sensing data, harmonized regional data, and geospatial data. The data access is for third parties is for a fee. Federal authorities and authorised users within the meaning of § 4 VGeoBund shall be provided with the data free of charge.</i></p>

<p>Work flow</p>	 <pre> graph TD LBM[Land cover model Germany (LBM-DE) Produced triennial 2015, 2018, (2021)] --> Green[Mountain area covered by forest, grassland or cropland] DGM[Digital terrain model Germany (DGM-DE)] --> Orange[Total mountain area] Orange --> Green Green --> Formula["Mountain Green Cover Index Mountain area covered by forest, grassland or cropland / Total mountain area"] Orange --> Formula </pre>
<p>Lessons learned, any gaps, key issues and recommendations</p>	
<p>Supporting material about this use case. Include links, publications, etc.</p>	<p>https://sustainabledevelopment-germany.github.io/15-4-2/</p>
<p>Name(s) and email address of individual(s) involved in this effort. Please note the principal point(s) of contact (POCs).</p>	<p>Dr. Patrick Knöfel, Patrick.Knoefel@bkg.bund.de Pier-Giorgio Zaccheddu, Pier-Giorgi.Zaccheddu@bkg.bund.de</p>