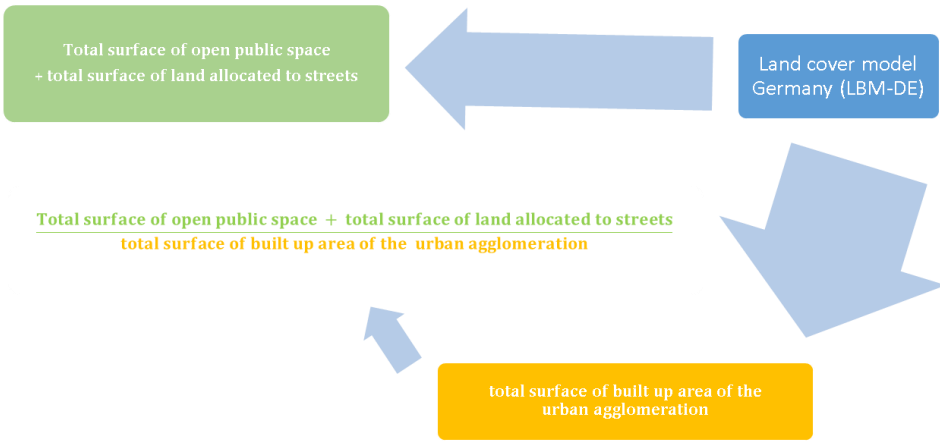


Country Use Case of EO Use for SDG Indicator	
SDG Indicator/Sub-indicator	11.7.1(built-up areas and open space)
Country or region	Germany
Status (please check)	<input type="checkbox"/> being used in official SDG Indicator reporting <input checked="" type="checkbox"/> being verified or tested by country <input type="checkbox"/> studying feasibility
Earth Observation Data Used and its links	Earth observation data has being used to derive the geospatial data product. The build-up areas are derived from Rapid Eye satellite data and stored as the LBM-DE feature attribute "degree of imperviousness".
Additional/ Other Data Used and its links	<i>Information on land cover and land use categories stems from land cover model for Germany (LBM-DE).</i> http://www.geodatenzentrum.de/docpdf/lbm-de2015.pdf http://www.geodatenzentrum.de/docpdf/lbm-de2018.pdf
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	<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). The product is derived from remote sensing 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>
Work flow	 <p> Total surface of open public space + total surface of land allocated to streets </p> <p>Land cover model Germany (LBM-DE)</p> <p> total surface of built up area of the urban agglomeration </p> <p> Total surface of open public space + total surface of land allocated to streets total surface of built up area of the urban agglomeration </p>

Lessons learned, any gaps, key issues and recommendations	The indicator is currently evaluated and is planned to be used in the future as an alternative indicator value for the national reporting of this indicator.
Supporting material about this use case. Include links, publications, etc.	
Name(s) and email address of individual(s) involved in this effort. Please note the principal point(s) of contact (POCs).	Dr. Patrick Knöfel, Patrick.Knoefel@bkg.bund.de Pier-Giorgio Zaccheddu, Pier-Giorgi.Zaccheddu@bkg.bund.de