Share of Built-up 2018 (raster 100 m), Europe, 3-yearly, Aug. 2020

The Share of Built-up (SBU) layer for the reference year 2018 represents share (percentage) of built-up (IBU) for the reference year 2018 in an aggregated version of 100m spatial resolution for the EEA38 countries and the United Kingdom. The production of the high resolution imperviousness layers is coordinated by the EEA in the frame of the EU Copernicus programme.

The high resolution imperviousness products capture the percentage and change of soil sealing. Built-up areas are characterized by the substitution of the original (semi-) natural land cover or water surface with an artificial, often impervious cover. These artificial surfaces are usually maintained over long periods of time. A series of high resolution imperviousness datasets (for the 2006, 2009, 2012, 2015 and 2018 reference years) with all artificially sealed areas was produced using automatic derivation based on calibrated Normalized Difference Vegetation Index (NDVI). This series of imperviousness layers constitutes the main status layers. They are per-pixel estimates of impermeable cover of soil (soil sealing) and are mapped as the degree of imperviousness (0-100%). Imperviousness change layers were produced as a difference between the reference years (2006-2009, 2009-2012, 2012-2015, 2015-2018 and additionally 2006-2012, to fully match the CORINE Land Cover production cycle) and are presented 1) as degree of imperviousness change (-100% -- +100%), in 20m and 100m pixel size, and 2) a classified (categorical) 20m change product.

The 100 meter aggregate raster (fully conformant with the EEA reference grid) is provided as a full EEA38 and United Kingdom mosaic.

More information about the product specifications can be found here: https://land.copernicus.eu/en/products/high-resolution-layer-impervious-built-up/impervious-built-up-2018 .

Simple

Date (Creation)	2020-08-18
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Edition	01.00
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Code	10.2909/a807e528-431a-4dca-a6cd-0e8947563fce

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No information provided.

Maintenance and update frequency	Continual
GEMET - INSPIRE themes, version 1.0	• Land use • Land cover
Keywords	
Continents, countries, sea regions of the world.	• United Kingdom • EEA38 (from 2020)
Keywords	

GEMET	
	- urban area
	- land cover
	- soil surface sealing
	- built-up area
	- landscape alteration
	- land use
	- sealing
	- built environment
[Spatial scope](#)	- [European](#)
EEA topics	- Buildings and construction
	- Land use
	- Soil
Access constraints	Other restrictions
Other constraints	[no limitations to public access](#)
Use constraints	Other restrictions
Other constraints	Access to data is based on a principle of full, open and free access as established by the Copernicus data and information policy Regulation (EU) No 1159/2013 of 12 July 2013. This regulation establishes registration and licensing conditions for GMES/Copernicus users.
	Free, full and open access to this data set is made on the conditions that:
	1. When distributing or communicating Copernicus dedicated data and Copernicus service information to the public, users shall inform the public of the source of that data and information.
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Spatial representation type	Grid
Distance	100 m
Language of dataset	English
Character set	UTF8
Topic category	- Environment
	- Imagery base maps earth cover
Begin date	2017-01-01
End date	2019-12-31

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Coordinate reference system identifier	EPSG:3035		
Distribution format	• GeoTIFF (1.0)		
OnLine resource	**Protocol** WWW:LINK-1.0-http--link	**Linkage** https://land.copernicus.eu/en/products/high-resolution-layer-imperviousness/impervious-built-up-2018#Download	**Name** Download (requires authentication)
OnLine resource	**Protocol** DOI	**Linkage** https://doi.org/10.2909/a807e528-431a-4dca-a6cd-0e8947563fce	**Name**
Hierarchy level	Dataset		

Conformance result

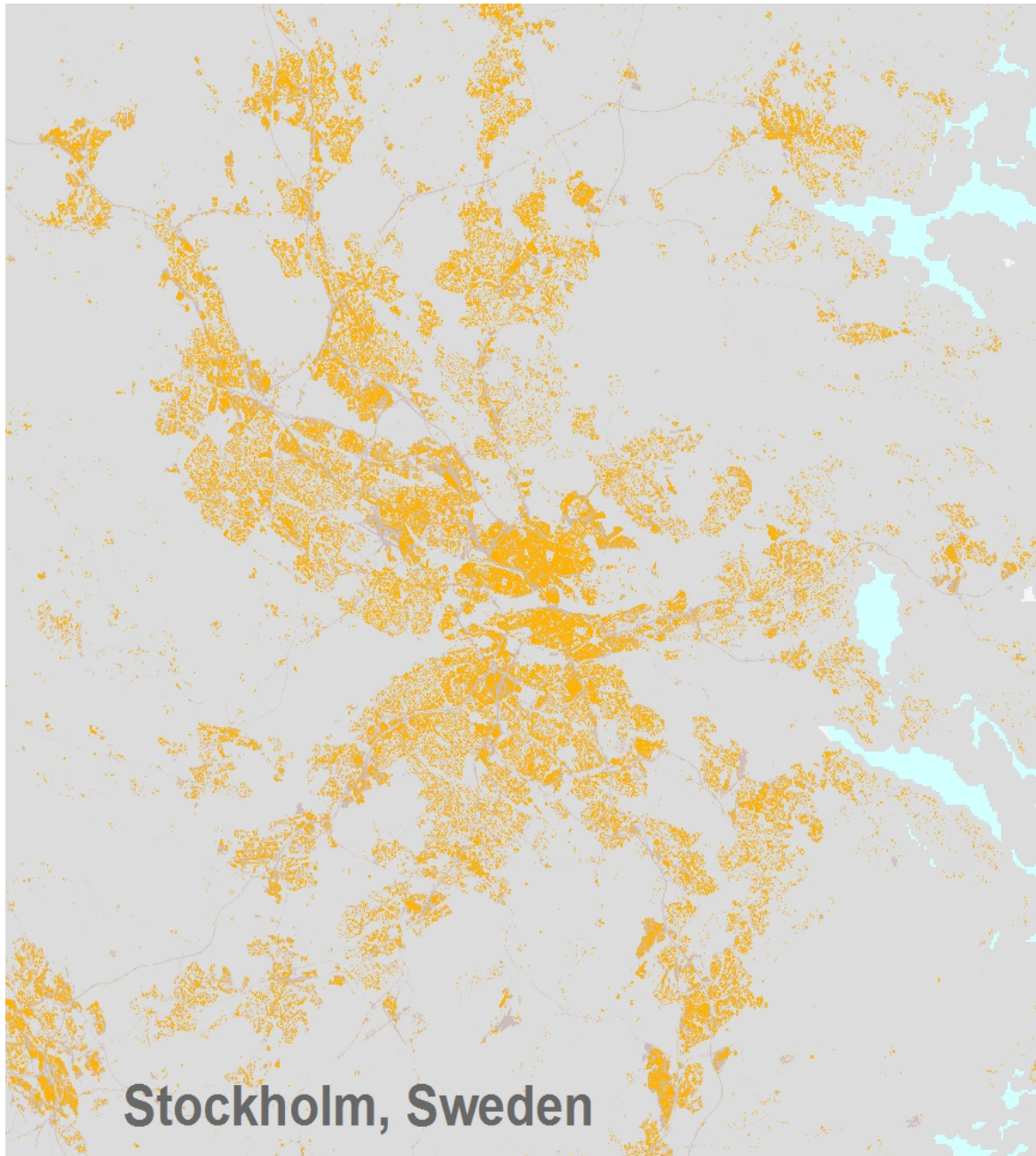| Date (Publication)	2010-12-08
Explanation	See the referenced specification
Statement	Quality assurance follows the ISO9000 standards for Quality Management and comprises of dedicated procedures of on-going quality checks (QA breakpoints) during implementation of the production chain, in order to keep persistent control over the various stages of production, assure fitness-for-purpose of the end-products and that all quality requirements are fulfilled. Priority will be given to the target thematic accuracies to be achieved by each product, as well as to the issues of product consistency (spatial, thematic, temporal) and homogeneity. Quality Assessment: The quality assessment has been performed according to INSPIRE Data Specifications. The data quality elements considered are: Completeness, Logical Consistency, Thematic Accuracy, Temporal quality and Usability. Each of them (excl. the Thematic Accuracy hereafter) forms a section in the QA/QC Procedures.
Source	• Impervious Built-up 2018 (raster 10 m), Europe, 3-yearly, Aug. 2020

Metadata

File identifier	a807e528-431a-4dca-a6cd-0e8947563fce XML

Metadata language	English
Character set	UTF8
Hierarchy level	Dataset
Date stamp	2024-02-06T16:44:27.191Z
Metadata standard name	ISO 19115/19139
Metadata standard version	1.0

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Overviews

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