Urban Atlas - Building Height 2012, version 2 (raster), Mar. 2020

The Copernicus Urban Atlas - Building Height 2012 product is a 10m high resolution raster layer containing height information generated for core urban areas of selected cities (capitals) in EEA38 (with the exception of Vaduz, Liechtenstein) and the United Kingdom as part of the Urban Atlas, with reference year 2012.

The height information is based on IRS-P5 stereo images and derived datasets like the digital surface model, the digital terrain model and the normalized DSM.

This metadata refers an update of this product, which includes the extension of previously published cities Amsterdam, Athens, Berlin, Copenhagen, London and Madrid (version 2.0) and capitals from countries not included in the previous version (Türkiye and EEA cooperating countries). The other core cities in the dataset remain unaltered (version 1.0), but may be updated in the near future.

There is one zip archive per area, which includes: (1) the actual raster data in GeoTIFF format (ETRS89-LAEA); (2) an XML-file with metadata and (3) document with results of quality checks.

Simple

Date (Creation)	2018-04-19
Date (Publication)	2018-04-19
Date (Revision)	2020-03-19
Edition	02.00
Citation identifier	copernicus_r_3035_10_m_ua-bh-2012_p_2011-2014_v02_r00
Citation identifier	DAT-190-en
Status	Superseded

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No information provided.

Point of contact

No information provided.

Maintenance and update frequency	Continual
GEMET - INSPIRE themes, version 1.0	- Land use - Elevation
Keywords	
Continents, countries, sea regions of the world.	- United Kingdom - Iceland - Türkiye

	- Serbia - Bosnia and Herzegovina - Kosovo (UNSCR 1244/99) - North Macedonia - Albania - Norway - Switzerland - Montenegro - EU27 (from 2020)
Keywords	
GEMET	- land cover - building - landscape alteration - urban area - model - land use
Spatial scope	European
EEA topics	Land use
EEA Management Plan	2018 3.6.2
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. 2. Users shall make sure not to convey the impression to the public that the user's activities are officially endorsed by the Union. 3. Where that data or information has been adapted or modified, the user shall clearly state this. 4. The data remain the sole property of the European Union. Any information and data produced in the framework of the action shall be the sole property of the European Union. Any communication and publication by the beneficiary shall acknowledge that the data were produced "with funding by the European Union".
Aggregate Datasetindentifier	14c85db6-ac28-4a91-ad9c-e4356733976d
Association Type	revision of
Spatial representation type	Grid
Distance	10 m

Language of dataset	English
Character set	UTF8
Topic category	• Environment • Imagery base maps earth cover • Elevation
Begin date	2011-01-01
End date	2014-12-31

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Additional Information	Spatial Resolution information: The Minimum Mapping Width is 10 m
Coordinate reference system identifier	EPSG:3035
Distribution format	• GeoTIFF (1.1)

OnLine resource	Protocol	Linkage	Name
	OGC:WMS	https://copernicus.discomap.eea.europa.eu/arcgis/services/UrbanAtlas/UA_BuildingHeights_2012_10m/ImageServer/WMSServer?request=GetCapabilities&service=WMS	
	ESRI:REST	https://copernicus.discomap.eea.europa.eu/arcgis/rest/services/UrbanAtlas/UA_BuildingHeights_2012_10m/ImageServer	
	WWW:LINK-1.0-http--link	https://land.copernicus.eu/en/products/urban-atlas/building-height-2012#Download	Download (requires authentication)

Hierarchy level	Dataset

Conformance result

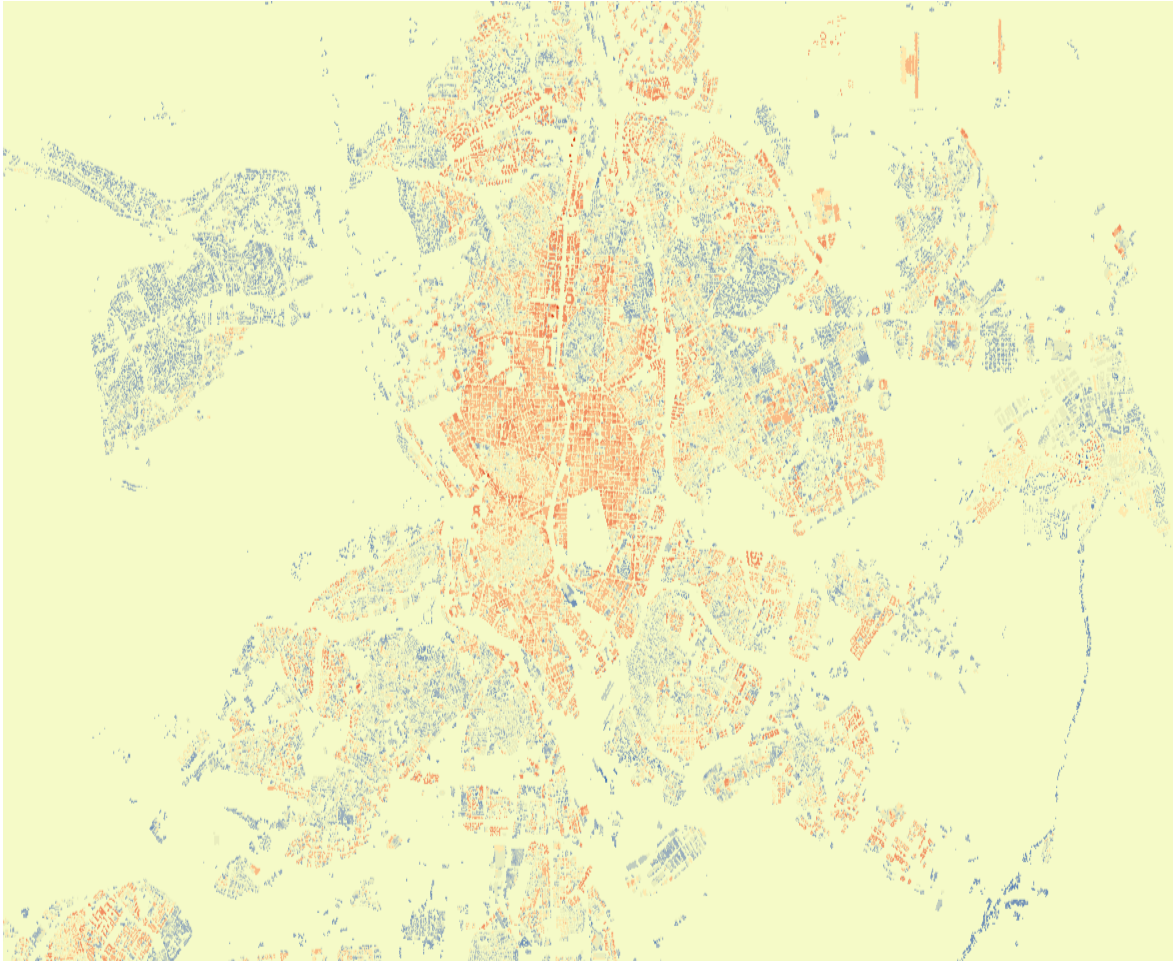| Date (Publication)	2010-12-08
Explanation	See the referenced specification

| Statement | This product is generated based on IRS-P5 stereo images acquired as close as possible to the defined reference year. Based on these stereo images a digital surface model is generated. Afterwards a digital terrain model is derived from the DSM with different filter algorithms and the assistance of Urban Atlas 2012 datasets. The calculation of the normalized DSM is done by a simple subtraction of the DTM from the DSM. The final product is then clipped based on UA 2012 building blocks and fully quality controlled.

This update marks the extension of previously published cities Amsterdam, Athens, Berlin, Copenhagen, London and Madrid (version 2.0). Capitals from countries not included in the previous version (Türkiye and EEA cooperating countries) have also been added. The rest of the core cities (capitals) remain altered (version 1.0).

Information about the validation of this product is available here: https://land.copernicus.eu/user-corner/technical-library/building-heights-2012-validation-report |
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Metadata

File identifier	55854f4a-19b7-49f3-abd3-4f974a683d6f XML
Metadata language	English
Character set	UTF8
Hierarchy level	Dataset
Date stamp	2024-02-06T10:00:19.293Z

Metadata standard name	ISO 19115/19139
Metadata standard version	1.0
Metadata author	

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Overviews

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