

Urban Morphological Zones 2000 (vector) - version 13, Apr. 2010

A UMZ is defined as a "set of urban areas laying less than 200 m apart". Urban areas have been selected from Corine Land Cover 2000, version 13, by means of a complex methodology explained below.

Simple

Date (Creation)	2010-04-08		
Edition	13		
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Status	Superseded		
Point of contact	Organisation name	Individual name	Electronic mail address Role
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No information provided.

Point of contact

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No information provided.

Maintenance and update frequency	Biannually
GEMET - INSPIRE themes, version 1.0	<ul style="list-style-type: none"> Land cover
Keywords	
Keywords	
GEMET	<ul style="list-style-type: none"> economy household environmental report
EEA topics	<ul style="list-style-type: none"> Land use

Use limitation	EEA standard re-use policy: unless otherwise indicated, re-use of content on the EEA website for commercial or non-commercial purposes is permitted free of charge, provided that the source is acknowledged (http://www.eea.europa.eu/legal/copyright). Copyright holder: European Environment Agency (EEA).
Access constraints	Other restrictions
Other constraints	no limitations to public access
Spatial representation type	Vector
Denominator	100000
Language of dataset	English
Character set	UTF8
Topic category	<ul style="list-style-type: none">• Environment• Geoscientific information



Begin date	2000-01-01
End date	2000-12-31
CRS identifier	EPSG:3035
Distribution format	<ul style="list-style-type: none"> • SHP ()

OnLine resource

No information provided.

Hierarchy level	Dataset
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Conformance result

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

Statement	<p>Methodology description:</p> <p>UMZ 2000 dataset derives from Corine Land Cover 2000 raster. Urban classes are selected from CLC2000 and applying some criteria are merged to build up UMZs. Airports have been included within urban classes. Some iteration done in the third process step. For more details see process steps detailed below.</p> <p>Changes:</p> <p>None</p> <p>Publish status:</p> <p>Ready for publish</p> <p>process steps</p> <p>Description:</p> <p>Reclassification of Corine Land Cover 2000 100m raster in the following way: 1- Core urban areas: 111 (Continuous urban fabric), 112 (Discontinuous urban fabric), 121 (Industrial or commercial units), 141 (Green urban areas). 2- Ports, airports and sport facilities: 123 (Port areas), 124 (Airports), 142 (Sport and leisure facilities). 3- Transportation and rivers: 122 (Road and rail networks), 511 (Water courses). 4- Forests & scrub: 311,312,313,322,323,324.</p> <p>Description:</p> <p>Vectorisation of each reclassified set</p> <p>Description:</p> <p>Addition of ports, airports and sport facilities to the core classes: They are selected if they are neighbours to the core classes. This process is done iteratively until all polygons are selected. Once selected, they are merged with the core classes to built-up the enlarged core classes.</p> <p>Description:</p>
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Addition of roads, railways and rivers to the enlarged core classes: selection by neighbourhood to the enlarged core classes of roads, railways and rivers. Clip by 300m buffer around the enlarged core classes. Merge of selected and clipped roads, railways and rivers to the enlarged core classes.

Description:

Addition of forest and scrub classes fully within the core classes: selection of forest and scrub classes fully within the urban core classes, and merge of selected features.

Description:

Rasterisation (100m resolution) of the features obtained after previous steps. Result: Pre-UMZ raster.

Description:

Expansion by 1 pixel (100m) of pre-UMZ raster, in order to connect urban areas lying less than 200m apart.

Description:

Shrinking by 1 pixel (100m) of the expanded raster. Vectorisation of resulting raster. Result:UMZ_preFinal

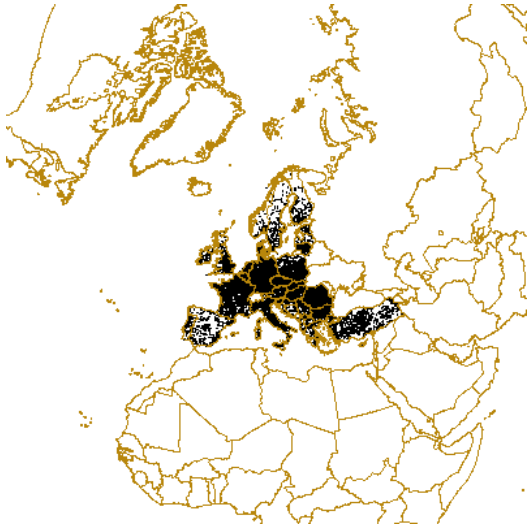
Description:

Elimination of polygons below 25 ha. (CLC limit). Result: UMZ2000

Metadata

File identifier	fa4f3b2d-e4a6-461c-8094-1c089c7e16d7 XML		
Metadata language	English		
Character set	UTF8		
Hierarchy level	Dataset		
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Metadata standard name	ISO 19115/19139		
Metadata standard version	1.0		
Metadata author	Organisation name	Individual name	Electronic mail address Role
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Overviews



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