



Elevation Breakdown based on EU-DEM (resolution 1km), Dec. 2016

Generalisation at 1 km resolution of elevation breakdown 100 m (based on EU-DEM).

This layer defines homogeneous areas as function of height, slope and distance to the sea. The Elevation Breakdown is used to allocate Land Cover Changes into homogeneous areas as function of height, slope and distance to the sea. It defines five relief typologies: 1) Low coasts, 2) High Coasts, 3) Inlands, 4) Uplands and 4) Mountains. The previous enumeration corresponds to values in the grid. This layer is an updated version using similar methodology to the one created on 2006 (same classes and thresholds) but it has been generated using up-to-date high resolution datasets (EU-DEM) in order to create a more accurate layer.

Simple

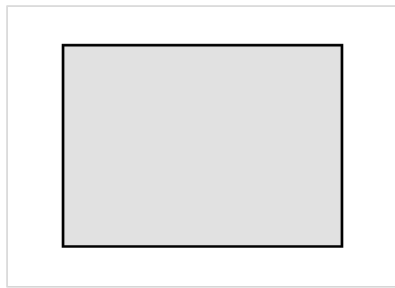
Identification info

Date (Publication)	2016-12-20										
Date (Creation)	2016-12-20										
Citation identifier	eea_r_3035_1_km_ebk-eudem_p_2012_v01_r00										
Status	Obsolete										
Point of contact	<table border="0"><thead><tr><th>Organisation</th><th>Individual</th><th>Electronic mail address</th><th>Website</th><th>Role</th></tr></thead><tbody><tr><td>European Environment Agency</td><td></td><td>sdi@eea.europa.eu</td><td>http://www.eea.europa.eu</td><td>Point of contact</td></tr></tbody></table>	Organisation	Individual	Electronic mail address	Website	Role	European Environment Agency		sdi@eea.europa.eu	http://www.eea.europa.eu	Point of contact
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Spatial representation type	Grid										

Spatial resolution

Spatial resolution	1 km
Topic category	<ul style="list-style-type: none">Elevation

Extent



Extent

Temporal extent

Time period	2012-01-01 2012-12-31
Maintenance and update frequency	Not planned
GEMET - INSPIRE themes, version 1.0	<ul style="list-style-type: none"> Elevation
GEMET	<ul style="list-style-type: none"> land cover
Continents, countries, sea regions of the world.	<ul style="list-style-type: none"> EEA32 (2006-2013)
Spatial scope	<ul style="list-style-type: none"> European

Resource constraints

Use constraints	Other restrictions
Other constraints	License CC-BY 4.0 (https://creativecommons.org/licenses/by/4.0/). Copyright holder: European Environment Agency (EEA).

Resource constraints

Access constraints	Other restrictions
Other constraints	no limitations to public access
Language	English
Character encoding	UTF8

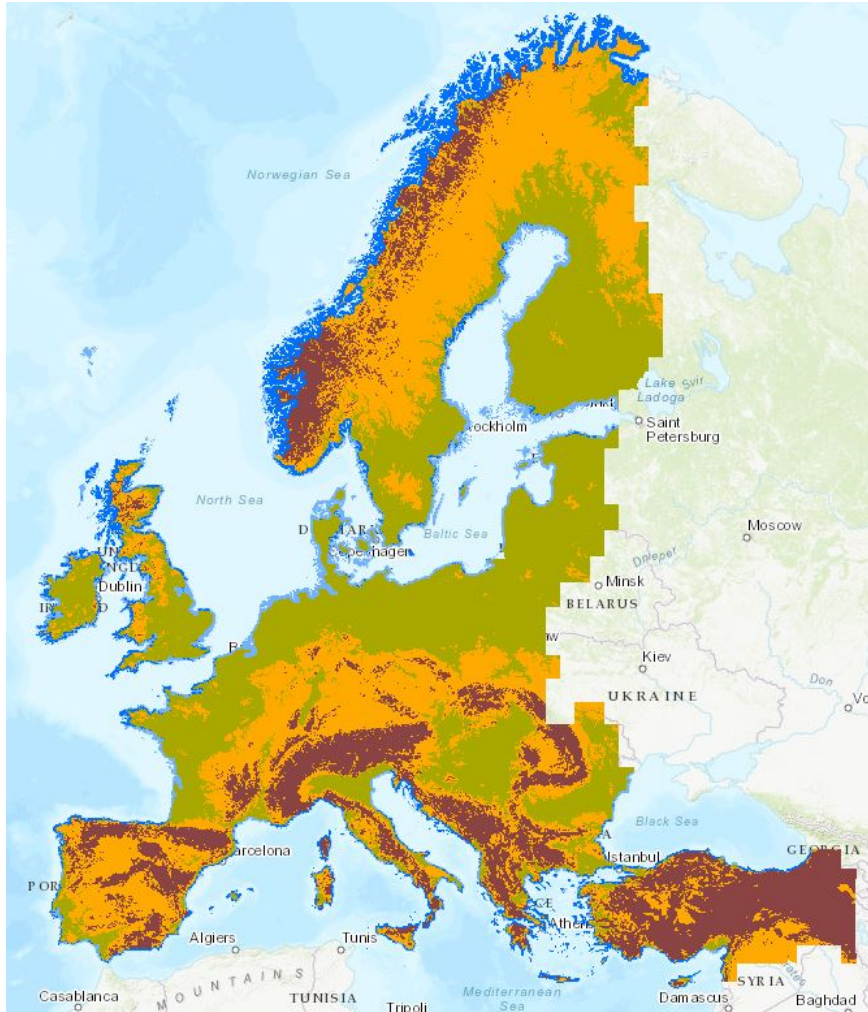
Distribution Information

Distribution format	<ul style="list-style-type: none"> GeoTIFF
OnLine resource	https://sdi.eea.europa.eu/webdav/datastore/public/eea_r_3035_1_km_ebk-eudem_p_2012_v01_r00/
OnLine resource	https://land.discomap.eea.europa.eu/arcgis/rest/services/Elevation/Elevation_Breakdown_2012_1km/MapServer
OnLine resource	0 Elevation Breakdown 1km (based on EU-DEM)
OnLine resource	Direct download

OnLine resource	Elevation Breakdown calculation								
Data quality info									
Hierarchy level	Dataset								
Report									
Result									
Title	Commission Regulation (EU) No 1089/2010 of 23 November 2010 implementing Directive 2007/2/EC of the European Parliament and of the Council as regards interoperability of spatial data sets and services								
Date (Publication)	2010-12-08								
Explanation	See the referenced specification								
Resource lineage									
Statement	<p>Generalisation at 1 km resolution of elevation breakdown 100 m (based on EU-DEM), which was created as an update using the Digital Elevation Model over Europe from the GSGRDA project (EU-DEM, resolution 25 m). Areas next to the sea (<10 km from the coastline) were considered Coasts and split in two categories: Low coasts (< 50 m) and High coasts (> 50 m). Inlands were the areas between 0 and 200 m outside the coastal strip. Uplands were the zones between 200 - 500 m plus the flat areas between 500 and 1000. The slopy areas between 500 and 1000 m and all the areas over 1000 m were classified as Mountains.</p> <p>Input layers include:</p> <ul style="list-style-type: none"> - EUDEM resampled to 100m (derived from EU-DEM 25m) - Coastline and reference mask, provided by GISAT. <p>Detailed methodology is available on http://forum.eionet.europa.eu/etc-sia-consortium/library/2012_subvention/261_2_ludc/133_elevation_data/elevation-breakdown-final-report-1 (section 2).</p>								
Hierarchy level	Dataset								
Source	<ul style="list-style-type: none"> • Elevation Breakdown based on EU-DEM (resolution 100m), Dec. 2016 								
Reference System Information									
Reference System Information									
Code	EPSG:3035								
Metadata									
Metadata identifier	2a927809-44a9-46f0-ad90-a815e4d1b2f3								
Language	English								
Character encoding	UTF8								
Contact	<table border="0"> <thead> <tr> <th>Organisation</th> <th>Individual</th> <th>Electronic mail address</th> <th>Website Role</th> </tr> </thead> <tbody> <tr> <td>European Environment Agency</td> <td></td> <td>sdi@eea.europa.eu</td> <td>Point of contact</td> </tr> </tbody> </table>	Organisation	Individual	Electronic mail address	Website Role	European Environment Agency		sdi@eea.europa.eu	Point of contact
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Type of resource									
Resource type	Dataset								
Metadata linkage	https://sdi.eea.europa.eu/catalogue/srv/api/records/2a927809-44a9-46f0-ad90-a815e4d1b2f3								

Date info (Creation)	2018-03-07T13:40:26Z
Date info (Revision)	2025-10-09T10:42:37.328291Z
Metadata standard	
Title	ISO 19115/19139
Edition	1.0

Overviews



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