



Elevation Breakdown based on EU-DEM (resolution 100m), Dec. 2016

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

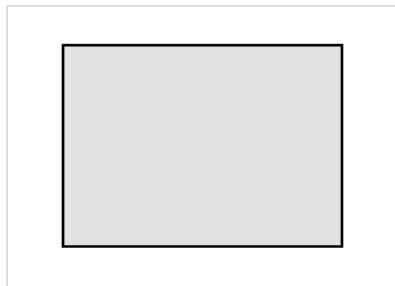
Identification info

Date (Publication)	2016-12-20										
Date (Creation)	2016-12-20										
Citation identifier	eea_r_3035_100_m_ebk-eudem_p_2012_v02_r00										
Status	Obsolete										
Point of contact	<table border="1"><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
Organisation	Individual	Electronic mail address	Website	Role							
European Environment Agency		sdi@eea.europa.eu	http://www.eea.europa.eu	Point of contact							
Spatial representation type	Grid										

Spatial resolution

Spatial resolution	100 m
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_100_m_ebk-eudem_p_2012_v02_r00/
OnLine resource	Elevation Breakdown 2012 100m - Based on EU-DEM (0) Elevation Breakdown 2012 100m - Based on EU-DEM
OnLine resource	Direct download
OnLine resource	0

Elevation Breakdown 2012 100m - Based on EU-DEM

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

This version of the Elevation Breakdown 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.

Input layers include:

- EUDEM resampled to 100m (derived from EU-DEM 25m)
- Coastline and reference mask, provided by GISAT.

Detailed methodology is available on http://forum.eionet.europa.eu/etc-sia-consortium/library/2012_subvention/261_2_Judc/133_elevation_data/elevation-breakdown-final-report-1 (section 2).

Hierarchy level

Dataset

Reference System Information

Reference System Information

Code

[EPSG:3035](#)

Metadata

Metadata Identifier

0c1a7253-a6d5-43d2-8eb7-49836b11ce53

Language

English

Character encoding

UTF8

Contact

Organisation

European Environment Agency

Individual

Electronic mail address

sdi@eea.europa.eu

Website Role

Point of contact

Type of resource

Resource type

Dataset

Metadata linkage

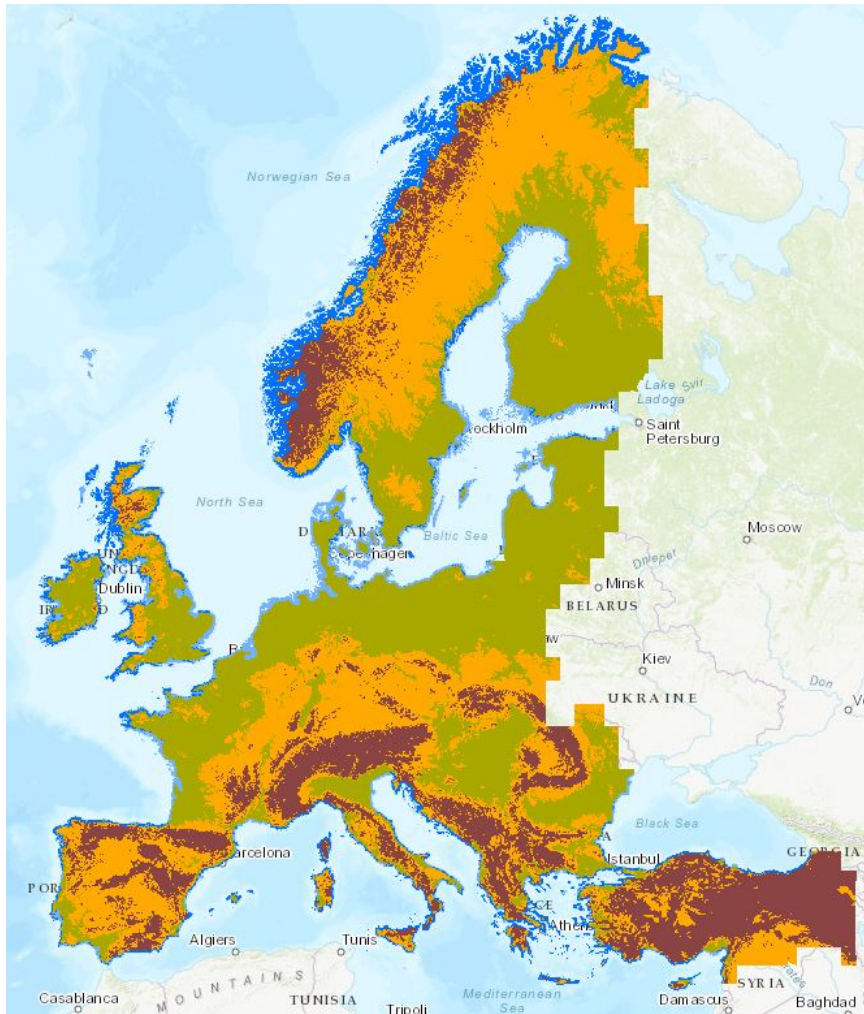
<https://sdi.eea.europa.eu/catalogue/srv/api/records/0c1a7253-a6d5-43d2-8eb7-49836b11ce53>

Date info (Creation)	2018-03-07T13:11:02Z
Date info (Revision)	2025-10-09T10:36:15.317705Z

Metadata standard

Title	ISO 19115/19139
Edition	1.0

Overviews



Provided by

