

EU-DEM (raster) - version 1.1, Apr. 2016

The EU-DEM v1.1 is a resulting dataset of the EU-DEM v1.0 upgrade which enhances the correction of geo-positioning issues, reducing the number of artefacts, improving the vertical accuracy of EU-DEM using ICESat as reference and ensuring consistency with EU-Hydro public beta.

EU-DEM v1.1 is available in GeoTIFF 32 bits format. It is a contiguous dataset divided into 100x100 km tiles, resulting in a total of 1992 tiles of 4000x4000 pixel at 25m resolution with vertical accuracy: +/- 7 meters RMSE. The tiles have been grouped in big regions:

- EUDEM2_ASIA (Türkiye)
- EUDEM2_ATLAN (Hondo and Fr_Islands)
- EUDEM2_BRITAIN (Thames, Shannon and Tweed)
- EUDEM2_EUROPE_1 (Duero, Ebro, Tajo, Guadalquivir and Jucar)
- EUDEM2_EUROPE_2 (Tirso, Mesima, Tevere and Po)
- EUDEM2_EUROPE_3 (Garonne, Rhone, Loire, Seine and western Rhine)
- EUDEM2_EUROPE_4 (Danube)
- EUDEM2_EUROPE_5 (Skjern, Nemunas, Vistula, Oder, Elbe and Eastern Rhine)
- EUDEM2_EUROPE_6 (Bulgaria and Pinios)
- EUDEM2_ICELAND (Iceland)
- EUDEM2_SCAND (Vorma, Gota, Angerman, Tana, Kemi and Neva)
- EUDEM2_SOUTH_AMERICA (Fr_Guiana)

EU-DEM v1.1 upgrade was coordinated by the European Environment Agency (EEA) in the frame of the EU Copernicus programme.

Simple

Date (Creation)	2016-04-20
Date (Publication)	2016-04-20
Date (Revision)	2016-04-20
Edition	01.01
Citation identifier	copernicus_r_3035_25_m_eu-dem_p_2011_v01_r01
Citation identifier	DAT-193-en
Status	Obsolete

Point of contact	Organisation name	Individual name	Electronic mail address	Website	Role
		European Environment Agency		copernicus@eea.europa.eu	https://land.copernicus.eu
	European Environment Agency		copernicus@eea.europa.eu	https://land.copernicus.eu	Custodian
	European Environment Agency		copernicus@eea.europa.eu	https://land.copernicus.eu	Point of contact

Point of contact

No information provided.

Maintenance and update frequency	Continual
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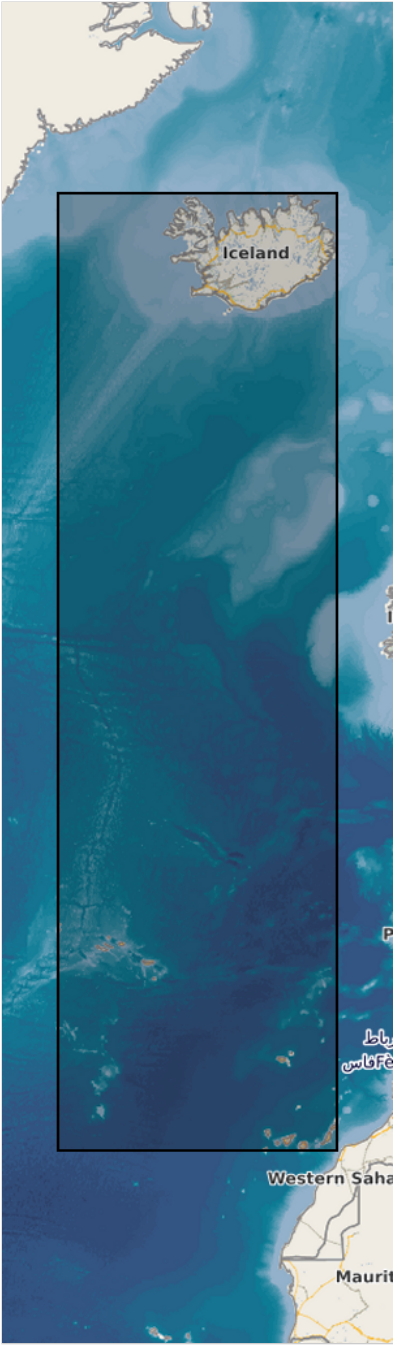
GEMET - INSPIRE themes, version 1.0	<ul style="list-style-type: none"> Elevation
Keywords	
Continents, countries, sea regions of the world.	<ul style="list-style-type: none"> EEA39
Keywords	
GEMET	<ul style="list-style-type: none"> land use landscape alteration digital land model land cover
Spatial scope	<ul style="list-style-type: none"> European
EEA Management Plan	<ul style="list-style-type: none"> 2017 3.6.1
EEA topics	<ul style="list-style-type: none"> Land use
Access constraints	Other restrictions
Other constraints	no limitations to public access
Use constraints	Other restrictions
Other constraints	<p>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.</p> <p>Free, full and open access to this data set is made on the conditions that:</p> <ol style="list-style-type: none"> 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. Users shall make sure not to convey the impression to the public that the user's activities are officially endorsed by the Union. Where that data or information has been adapted or modified, the user shall clearly state this. 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 DatasetIdentifier	19cff95e-61ac-45ed-8ee3-c43220d709cf
Association Type	revision of
Spatial representation type	Grid
Distance	25 25 m
Language of dataset	English
Character set	UTF8
Topic category	<ul style="list-style-type: none"> Environment Imagery base maps earth cover
Begin date	2011-01-01
End date	2011-12-31

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Coordinate reference system identifier	EPSG:3035
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Distribution format	<ul style="list-style-type: none"> • GeoTIFF (1.0)
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Distributor

Distributor contact	<table border="1"> <thead> <tr> <th>Organisation name</th> <th>Individual name</th> <th>Electronic mail address</th> <th>Website</th> <th>Role</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Organisation name	Individual name	Electronic mail address	Website	Role					
Organisation name	Individual name	Electronic mail address	Website	Role							

Ordering instructions	<p>This dataset is no longer accessible from the website of the Copernicus Land Monitoring Service.</p> <p>You can request access to this dataset by contacting the service desk of the Copernicus Land Monitoring Service at copernicus@eea.europa.eu .</p>
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Hierarchy level	Dataset
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Conformance result

Date (Publication)	2010-12-08
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Explanation	See the referenced specification
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Statement	<ul style="list-style-type: none"> •Correction of geo-positioning issues in EU-DEM v1.0 as reference also using SPOT 2011 imagery •Bias adjustment with ICESat points •Screening and removal of artefacts in the EU-DEM v1.0, including the presence of blunders (i.e. negative or positive anomalies) •Ensuring consistency with EU-Hydro to produce a better river network topology: <ul style="list-style-type: none"> --Consistency of the coastline with the EU-HYDRO coastline, including the removal of DEM values outside the EU-HYDRO coastline --Use of the EU-HYDRO coastline to smooth the gradient to the coast in flat regions --Burning of EU-HYDRO water bodies to set EU-DEM to the minimum height inside the water body, smoothing the boundaries
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Metadata

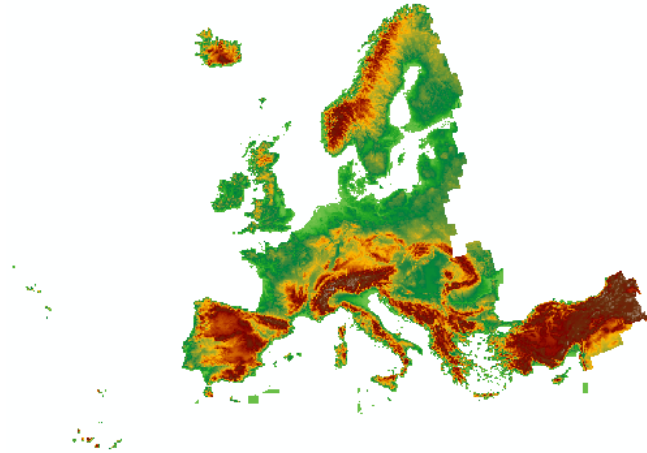
File identifier	3473589f-0854-4601-919e-2e7dd172ff50 XML
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Metadata language	English
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Character set	UTF8
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Hierarchy level	Dataset		
Date stamp	2024-01-09T10:31:14.52Z		
Metadata standard name	ISO 19115/19139		
Metadata standard version	1.0		
Metadata author	Organisation name	Individual name	Electronic mail address Website Role
	European Environment Agency		sdi@eea.europa.eu Point of contact

Overviews



Provided by

