SRTM90 - The Shuttle Radar Topography Mission DEM100

The current dataset is a combination of SRTM 90 and DTED data. The Shuttle Radar Topography Mission (SRTM) obtained elevation data on a near-global scale to generate the most complete high-resolution digital topographic database of Earth. SRTM consisted of a specially modified radar system that flew onboard the Space Shuttle Endeavour during an 11-day mission in February of 2000. SRTM is an international project spearheaded by the National Geospatial-Intelligence Agency (NGA) and the National Aeronautics and Space Administration (NASA). Version 2 of the Shuttle Radar Topography Mission digital topographic data (also known as the "finished" version). was used for generation of this dataset. Version 2 is the result of a substantial editing effort by the National Geospatial Intelligence Agency and exhibits well-defined water bodies and coastlines and the absence of spikes and wells (single pixel errors), although some areas of missing data ('voids') are still present. The Version 2 directory also contains the vector coastline mask derived by NGA during the editing, called the SRTM Water Body Data (SWBD), in ESRI Shapefile format. DTED (or Digital Terrain Elevation Data) was originally developed in the 1970s to support aircraft radar simulation and prediction. DTED supports many applications, including line-of-sight analyses, terrain profiling, 3-D terrain visualization, mission planning/rehearsal, and modeling and simulation. DTED is a standard NGA product that provides medium resolution, quantitative data in a digital format for military system applications that require terrain elevation. The DTED format for level 0, 1 and 2 is described in U.S. Military Specification Digital Terrain Elevation Data (DTED) MIL-PRF-89020B, and amongst others describe the resolution: Level 0 used for geneation of this dataset has a post spacing of 30 arcseconds in latitude direction (ca. 900 meters)

Simple

Date (Creation)	2006-06-01
Citation identifier	eea_r_3035_100_m_srtm90-dem_p_2000_v01_r00

Point of contact					
	Organisation name	Individual name	Electronic mail address	Website	Role
	European Environment Agency		sdi@eea. europa.eu	http://www. eea. europa.eu	Point of contact
	European Environment Agency		sdi@eea. europa.eu		Custodian

Point of contact
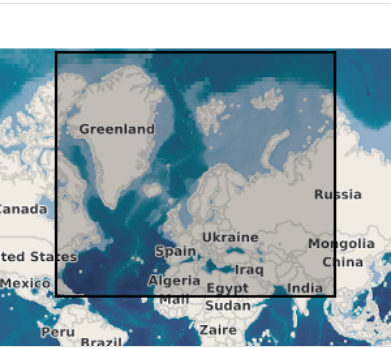
No information provided.

Point of contact

No information provided.

GEMET - INSPIRE themes, version 1.0	• Elevation
Keywords	
Keywords	
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	Grid
Distance	100 m
Language of dataset	English
Character set	UTF8
Topic category	• Environment • Geoscientific information

N		S		E		W	

Begin date	2000-02-01T00:00:00
End date	2000-02-12T00:00:00
Coordinate reference system identifier	EPSG:3035
Distribution format	• AIG ( )

OnLine resource	Protocol	Linkage	Name
	EEA:FILEPATH	https://sdi.eea.europa.eu/webdav/datastore/public/eea_r_3035_100_m_srtm90-dem_p_2000_v01_r00/	
	WWW:URL	https://sdi.eea.europa.eu/data/51d44d2d-835a-4a03-963c-86bd2f856006	Direct download

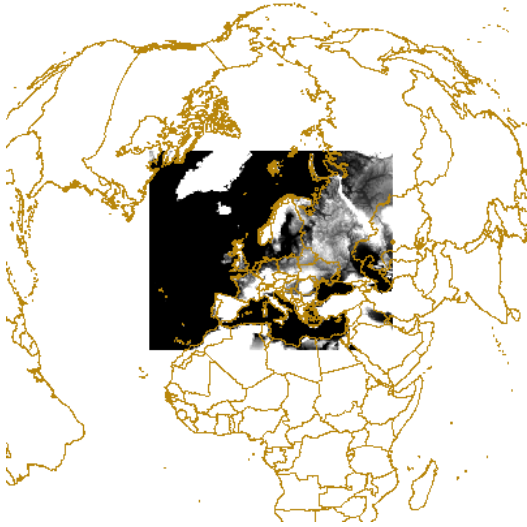| Hierarchy level	Dataset

Conformance result

Date (Publication)	2010-12-08
Explanation	See the referenced specification
Statement	1. The SRTM dataset was corrected tile by tile by filling voids using http://3dnature.com/srtmfill.html application 2. A mosaic was produced using the filled tiles. 3. The sea leyer was modified to -1000 value, to generate a "fake" sea and sepparate the sea level from the areas bellow sea level. 5. A "extraction line" was manually created, folowing rivers valleys in the North area of Europe. 6. The existing DTD data was resampled to 90 m resolution and croped using with the line at point 3 7. The SRTM mosaic was cropped using the line at point 3 8. The SRTM mosaic was convert into tiles with overlapping edges. 9. The tiles at point 6 were reprojected to LAEA5210 10. A mosaic was generated using the tiles at point 7 11. The mosaics resulted at point8 and point 4 were merged into one mosaic 12. The mosaic at point 11 was cropped using the standard EEA frame f4c_n . CHANGES:The dataset was built from the SRTM90_ELEVATION_F1v0, product of EEA The dataset was resampled to 100 meters.

Metadata

File identifier	51d44d2d-835a-4a03-963c-86bd2f856006 XML
Metadata language	English
Character set	UTF8
Hierarchy level	Dataset
Date stamp	2023-06-12T13:08:47.406Z
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

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