



Environmental zones 2018 - version 1.0, June 2020

This dataset is based on the Environmental Stratification of Europe (EnS) dataset from the University of Edinburgh, a statistically derived land classification which provides a novel global spatial framework for the integration and analysis of ecological and environmental data (Metzger, Marc J. 2018). It provides a robust spatial analytical framework for the aggregation of local observations, identification of gaps in current monitoring efforts and systematic design of complementary and new monitoring and research.

The version 8 of the source EnS dataset, used for the creation of this dataset, distinguishes 84 strata that are relatively homogeneous in environmental conditions and can be aggregated into 13 environmental zones:

- Alpine North (ALN)
- Boreal (BOR)
- Nemoral (NEM)
- Atlantic North (ATN)
- Alpine South (ALS)
- Continental (CON)
- Atlantic Central (ATC)
- Pannonian (PAN)
- Lusitanian (LUS)
- Anatolian (ANA)
- Mediterranean Mountains (MDM)
- Mediterranean North (MDN)
- Mediterranean South (MDS)

The original dataset (vector format, 1 km spatial resolution) has been rasterised into pixel size of 100m to align with Corine Land Cover. Its spatial coverage has been extended as follows:

- Türkiye is covered only partially in the original dataset. Missing parts are supplemented by a comparable national dataset provided by the Ministry of Environment and Forestry of Türkiye.
- The dataset is extended along the coastline to fully cover the spatial extent of CORINE Land Cover.
- Canary Islands, Madeira archipelago and the Azores are not included in the original dataset and added as environmental zone "Macaronesia (MAC)".
- Iceland is not included in the original dataset and added as environmental zone "Arctic (ARC)"

Simple

Date (Creation)	2019-10-01																		
Date (Publication)	2020-06-30																		
Edition	01.00																		
Citation identifier	eea_r_3035_1_km_env-zones_p_2018_v01_r00																		
Point of contact	<table><tr><th>Organisation name</th><th>Individual name</th><th>Electronic mail address</th><th>Website</th><th>Role</th></tr><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><tr><td>European Environment Agency</td><td></td><td>sdi@eea.europa.eu</td><td></td><td>Custodian</td></tr></table>				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
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Point of contact

No information provided.

Maintenance and update frequency

As needed

GEMET - INSPIRE themes, version 1.0	<ul style="list-style-type: none"> • Bio-geographical regions
Keywords	
Keywords	
GEMET	<ul style="list-style-type: none"> • biodiversity • biogeography • biogeographical region • environment • agriculture
Continents, countries, sea regions of the world.	<ul style="list-style-type: none"> • EEA39
Spatial scope	<ul style="list-style-type: none"> • European
Temporal resolution	<ul style="list-style-type: none"> • As needed
EEA topics	<ul style="list-style-type: none"> • Biodiversity • Forests and forestry • Agriculture and food
Access constraints	Other restrictions
Other constraints	no limitations to public access
Use constraints	Other restrictions
Other constraints	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).
Spatial representation type	Grid
Distance	1 km
Language of dataset	English
Topic category	<ul style="list-style-type: none"> • Environment • Biota

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Begin date	2018-01-01		
End date	2018-12-31		
Additional Information	The original spatial resolution is 1 km, but the pixel size is 100 m.		
Coordinate reference system identifier	EPSG:3035		
Distribution format	<ul style="list-style-type: none"> GeoTIFF () 		
OnLine resource	Protocol EEA:FILEPATH WWW:LINK-1.0-http--link OGC:WMS ESRI:REST	Linkage https://sdi.eea.europa.eu/webdav/datastore/public/eea_r_3035_1_km_env-zones_p_2018_v01_r00/eea_r_3035_1_km_env-zones_p_2018_v01_r00.tif https://sdi.eea.europa.eu/data/6ef007ab-1fcd-4c4f-bc96-14e8afbcb688 https://land.discomap.eea.europa.eu/arcgis/services/Land/Environmental_Zones_2018/ImageServer/WMServer?request=GetCapabilities&service=WMS https://land.discomap.eea.europa.eu/arcgis/rest/services/Land/Environmental_Zones_2018/ImageServer	Name Direct download
Hierarchy level	Dataset		

Conformance 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

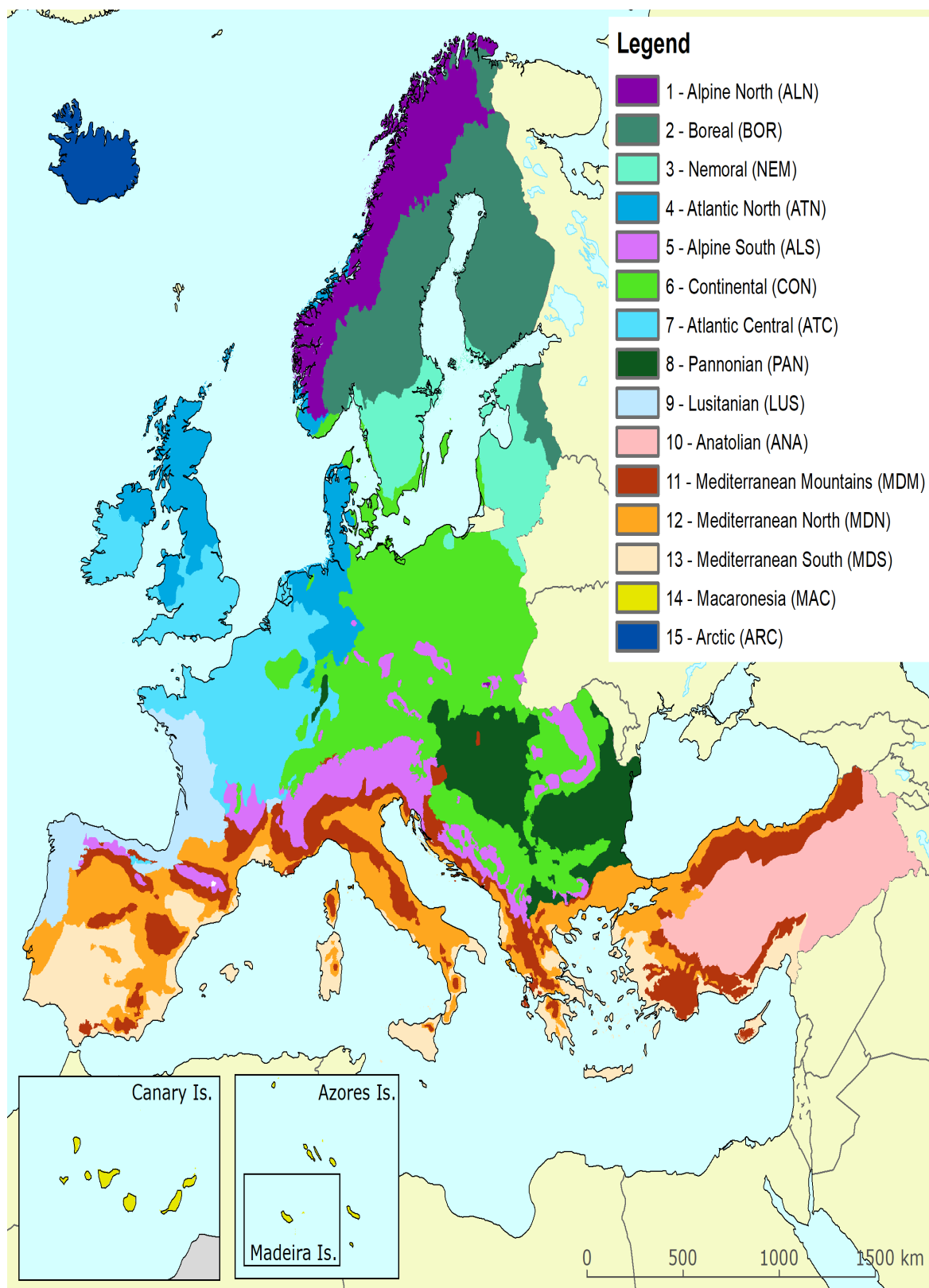
Statement	<p>This dataset is derived from "The Environmental Stratification of Europe" (Metzger, Marc J. (2018). The Environmental Stratification of Europe, [dataset]. University of Edinburgh. https://doi.org/10.7488/ds/2356.) This dataset is a statistically derived land classification, providing a novel global spatial framework for the integration and analysis of ecological and environmental data. The version 8 of the original dataset distinguishes 84 strata that are relatively homogeneous in environmental conditions and can be aggregated into 13 environmental zones:</p> <ul style="list-style-type: none"> Alpine North (ALN) Boreal (BOR) Nemoral (NEM) Atlantic North (ATN)
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	<ul style="list-style-type: none"> • Alpine South (ALS) • Continental (CON) • Atlantic Central (ATC) • Pannonian (PAN) • Lusitanian (LUS) • Anatolian (ANA) • Mediterranean Mountains (MDM) • Mediterranean North (MDN) • Mediterranean South (MDS) <p>The classification procedure is described in: Metzger M.J., Bunce R.G.H, Jongman R.H.G, Múcher C.A., Watkins J.W. (2005). "A climatic stratification of the environment of Europe". Global Ecology and Biogeography 14: 549-563 - https://doi.org/10.1111/j.1466-822x.2005.00190.x</p> <p>The original dataset from the University of Edinburgh (vector format, 1km spatial resolution) has then been processed as follows:</p> <ol style="list-style-type: none"> 1. Conversion of the original polygon data (Environmental zones version 8, https://datashare.is.ed.ac.uk/handle/10283/3091) to raster with resolution of 100 x 100 m to fully align with CORINE Land Cover. 2. Integration of missing parts in Türkiye by a comparable national dataset provided by the Ministry of Environment and Forestry of Türkiye. 3. Expansion of environmental zones along the coastline to fully cover the spatial extent of CORINE Land Cover. 4. Addition of Canary Islands, Madeira archipelago and Azores as zone "Macaronesia". 5. Addition of Iceland as zone "Arctic". <p>See report "HNV farmland 2020" for further details (Note: to be published by end of 2020).</p>
Source	<ul style="list-style-type: none"> • Administrative boundaries of EEA39 (NUTS 2016, aligned with Corine Land Cover 2012), Apr. 2018 • Corine Land Cover 2018 (raster 100m) version 20 accounting layer, Jun. 2019

Metadata

File identifier	6ef007ab-1fcd-4c4f-bc96-14e8afbcb688 XML			
Metadata language	English			
Character set	UTF8			
Hierarchy level	Dataset			
Date stamp	2022-09-19T13:30:32.281Z			
Metadata standard name	ISO 19115/19139			
Metadata standard version	1.0			
Metadata author	<div>Organisation name</div> <div>European Environment Agency</div>		<div>Individual name</div>	<div>Electronic mail address</div> <div>sdi@eea.europa.eu</div> <div>Website Role</div> <div>Point of contact</div>

Overviews



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