

## EUNIS heathland, scrub and tundra habitats, predicted potential distribution of habitat suitability (raster) - series

This series references the predicted potential distribution of EUNIS heathland, scrub and tundra habitat suitability.

### Simple

<b>Date (Publication)</b>	2016-07-01
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### Citation identifier

No information provided.

<b>Status</b>	Obsolete				
<b>Point of contact</b>	<b>Organisation name</b>	<b>Individual name</b>	<b>Electronic mail address</b>	<b>Website</b>	<b>Role</b>
	European Environment Agency		sdi@eea.europa.eu	<a href="http://www.eea.europa.eu">http://www.eea.europa.eu</a>	Point of contact

### Point of contact

No information provided.

<b>Maintenance and update frequency</b>	Unknown
<b>Keywords</b>	
<b>Keywords</b>	
<b>EEA topics</b>	<ul style="list-style-type: none"> <li>Biodiversity</li> </ul>
<b>GEMET</b>	<ul style="list-style-type: none"> <li>natural area</li> <li>tundra</li> <li>terrestrial ecosystem</li> <li>heathland</li> </ul>
<b>GEMET - INSPIRE themes, version 1.0</b>	<ul style="list-style-type: none"> <li>Habitats and biotopes</li> </ul>
<b>Use limitation</b>	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 ( <a href="http://www.eea.europa.eu/legal/copyright">http://www.eea.europa.eu/legal/copyright</a> ). Copyright holder: European Environment Agency (EEA).
<b>Access constraints</b>	Other restrictions
<b>Other constraints</b>	<a href="#">no limitations to public access</a>
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<b>Spatial representation type</b>	Grid

<b>Language of dataset</b>	English
<b>Character set</b>	UTF8
<b>Topic category</b>	<ul style="list-style-type: none"><li>• Biota</li></ul>

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Begin date	1940-01-01
End date	2011-12-31
Coordinate reference system identifier	<a href="#">EPSG:3035</a>
Distribution format	<ul style="list-style-type: none"> <li>GeoTIFF ( )</li> </ul>
Hierarchy level	Series

## Conformance result

Date (Publication)	2010-12-08
Explanation	See the referenced specification

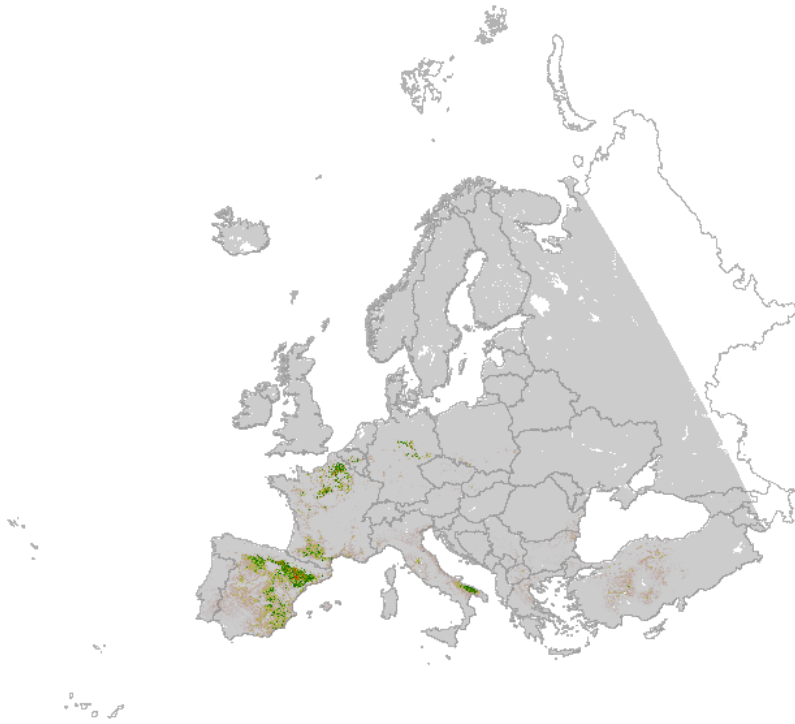
Statement	<p>The data represent the habitat suitability of the EUNIS type. For the modelling, the widely used software Maxent for maximum entropy modelling of species' geographic distributions was used ( <a href="http://www.cs.princeton.edu/~schapire/maxent">http://www.cs.princeton.edu/~schapire/maxent</a> ). Maxent is a general-purpose machine-learning method with a simple and precise mathematical formulation, and has a number of aspects that make it well-suited for species distribution modelling when only presence (occurrence) data but not absence data are available (Philips et al. 2006). Because EUNIS habitats have a particular species composition, they are assumed to respond to specific ecological requirements, allowing us to generate correlative estimates of geographic distributions. Modelling habitats that have been floristically defined is a well-known procedure for ecological modelling at local scales, and a promising technique to be applied also at the continental level.</p> <p>The Maxent method considers presence data (known observations of a given entity) and the so-called background data. Presence data is coming from the Braun-Blanquet project database. Background data comprise a set of points used to describe the environmental variation of the study area according to the available environmental layers. It is assumed that these layers represent well the most important ecological gradients on a European scale. As layers the following environmental parameters have been used: Potential Evapotranspiration, Topsoil pH, Solar radiation, Temperature Seasonality (standard deviation *100), Mean Temperature of Wettest Quarter, Annual Precipitation, Precipitation Seasonality (Coefficient of Variation), Precipitation of Warmest Quarter &amp; Distance to water (rivers, lakes, sea).</p>
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## Metadata

File identifier	d53acab8-6e1e-4703-b519-030212284f1c <a href="#">XML</a>
Metadata language	English
Character set	UTF8
Hierarchy level	Series
Hierarchy level name	series
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	Series
Date stamp	2024-04-12T12:18:42.35328Z
Metadata standard name	ISO 19115/19139
Metadata standard version	1.0

## Overviews



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