

EUNIS coastal habitats, predicted potential distribution of habitat suitability (raster) - series

This series references the predicted potential distribution of EUNIS coastal habitat suitability.

Simple

Date (Publication)	2016-07-01		
Citation identifier	eea_r_3035_1_km_eunis-hab-b_1940-2011_series		
Status	Obsolete		
Point of contact	Organisation name	Individual name	Electronic mail address Role
	European Environment Agency		info@eea.europa.eu eur info@eea.europa.eu Point of contact

Point of contact

No information provided.

Maintenance and update frequency	Unknown
Keywords	
Keywords	
EEA topics	<ul style="list-style-type: none"> Biodiversity
GEMET	<ul style="list-style-type: none"> natural area tundra coastal environment heathland terrestrial ecosystem forest forest biodiversity
GEMET - INSPIRE themes, version 1.0	<ul style="list-style-type: none"> Habitats and biotopes
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

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Association Type	Is composed of
Aggregate DatasetIdentifier	d92ff658-e1b6-4fe9-9245-6b3b2f677250
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Association Type	Is composed of
Spatial representation type	Grid
Language of dataset	English
Character set	UTF8
Topic category	<ul style="list-style-type: none">• Biota

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Begin date	1940-01-01
End date	2011-12-31
CRS identifier	EPSG:3035
Distribution format	<ul style="list-style-type: none"> • AAIGrid ()
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 (http://www.cs.princeton.edu/~schapire/maxent). 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 & Distance to water (rivers, lakes, sea).</p>
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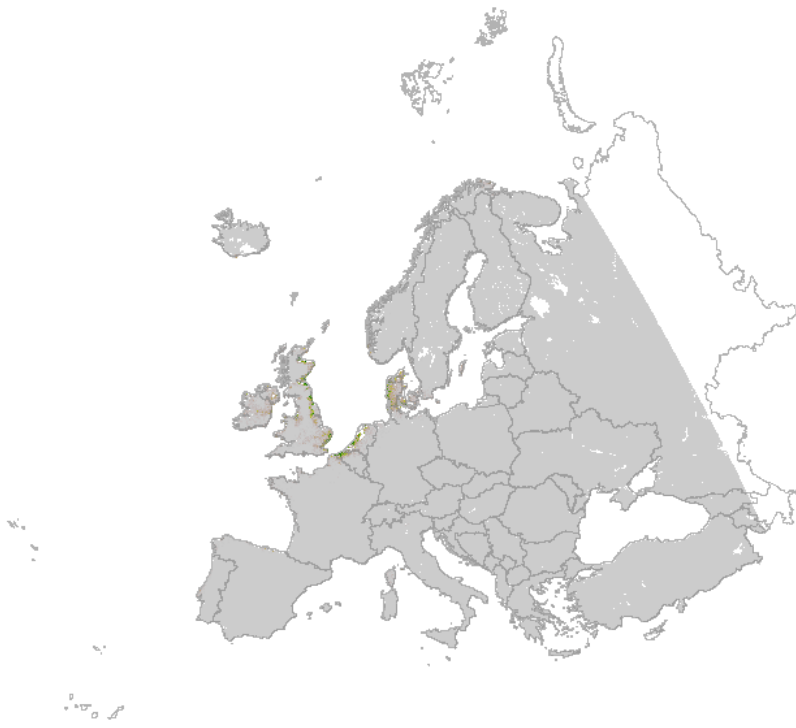
Metadata

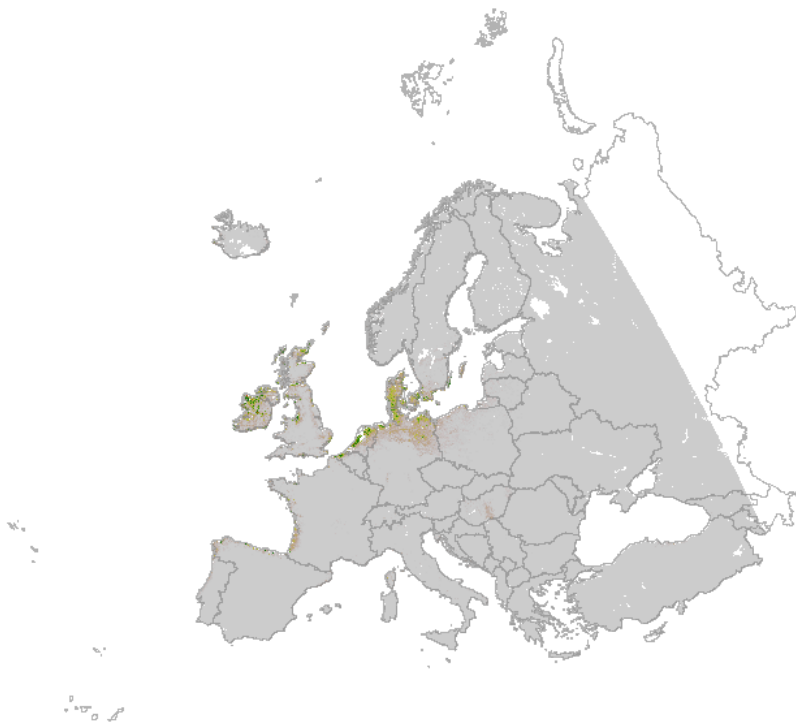
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Metadata language	English
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Hierarchy level	Series
Hierarchy level name	series
Hierarchy level name	series
Hierarchy level name	

	Series
Date stamp	2023-03-07T13:25:22.892Z
Metadata standard name	ISO 19115/19139
Metadata standard version	1.0

Overviews







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