

Potential of soils to serve as a soil biodiversity pool, Oct. 2016

The dataset illustrates the potential of soils to serve as a soil biodiversity pool. The potential is expressed as an indexed value from 1 (lowest potential) to 10 (highest potential).

The potentials of soil biodiversity throughout Europe have been assessed and mapped by using critical thresholds of the selected variables (e.g. soil PH, texture, land cover among others) that potentially affect the conditions of soils for biodiversity and thus soil biodiversity levels. The dataset has been validated with existing data on soil biodiversity of different projects throughout Europe.

Simple

Date (Creation)	2016-10-01		
Edition	01.00		
Citation identifier	eea_r_3035_1_k_soilbiodiv-potential_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.

Maintenance and update frequency	Not planned
GEMET - INSPIRE themes, version 1.0	<ul style="list-style-type: none"> • Soil • Land cover
Keywords	
Keywords	
GEMET	<ul style="list-style-type: none"> • land cover • soil quality • soil function • soil capability • soil • biodiversity
Continents, countries, sea regions of the world.	<ul style="list-style-type: none"> • EU27 (2007-2013)
Spatial scope	<ul style="list-style-type: none"> • European
EEA topics	<ul style="list-style-type: none"> • Biodiversity

	<ul style="list-style-type: none"> • Nature protection and restoration • Soil • Land use
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 1 km
Language of dataset	English
Character set	UTF8
Topic category	<ul style="list-style-type: none"> • Environment



Begin date	2000-01-01		
End date	2000-12-31		
Coordinate reference system identifier	EPSG:3035		
Distribution format	• GeoTIFF (1)		
OnLine resource	Protocol	Linkage	Name
	EEA:FILEPATH	https://sdi.eea.europa.eu/webdav/datastore/public/eea_r_3035_1_k_soilbiodiv-potential_p_2000_v01_r00/eea_r_3035_1_km_soilbiodiv_2000.tif	
	WWW:URL	https://sdi.eea.europa.eu/data/d8d6ac30-da40-41a5-bcfb-d58f8ba118fa	Direct download (Eionet authentication)
	OGC:WMS	https://land.discomap.eea.europa.eu/arcgis/services/Land/SoilBiodiversityPotential/MapServer/WMServer?request=GetCapabilities&service=WMS	0
	ESRI:REST	https://land.discomap.eea.europa.eu/arcgis/rest/services/Land/SoilBiodiversityPotential/MapServer	

Hierarchy level	Dataset
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Conformance result

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

Statement	<p>For all the details, please refer to</p> <p>Ece Aksoy, Geertrui Louwagie, Ciro Gardi, Mirko Gregor, Christoph Schröder, Manuel Löhnertz, Assessing soil biodiversity potentials in Europe, In Science of The Total Environment, Volume 589, 2017, Pages 236-249, ISSN 0048-9697, https://doi.org/10.1016/j.scitotenv.2017.02.173. (http://www.sciencedirect.com/science/article/pii/S0048969717304229)</p> <p>The potentials of soil biodiversity throughout Europe have been assessed and mapped by using critical thresholds of the selected variables (see Table 1 in the paper) that potentially affect the conditions of soils for biodiversity and thus soil biodiversity levels. The thresholds (see Table 2 in the paper) are defined in line with levels that are expected to regulate soil biodiversity levels and range from 0 to 4, depending on the main parameters as described in the material section. Using these threshold levels and their corresponding</p>
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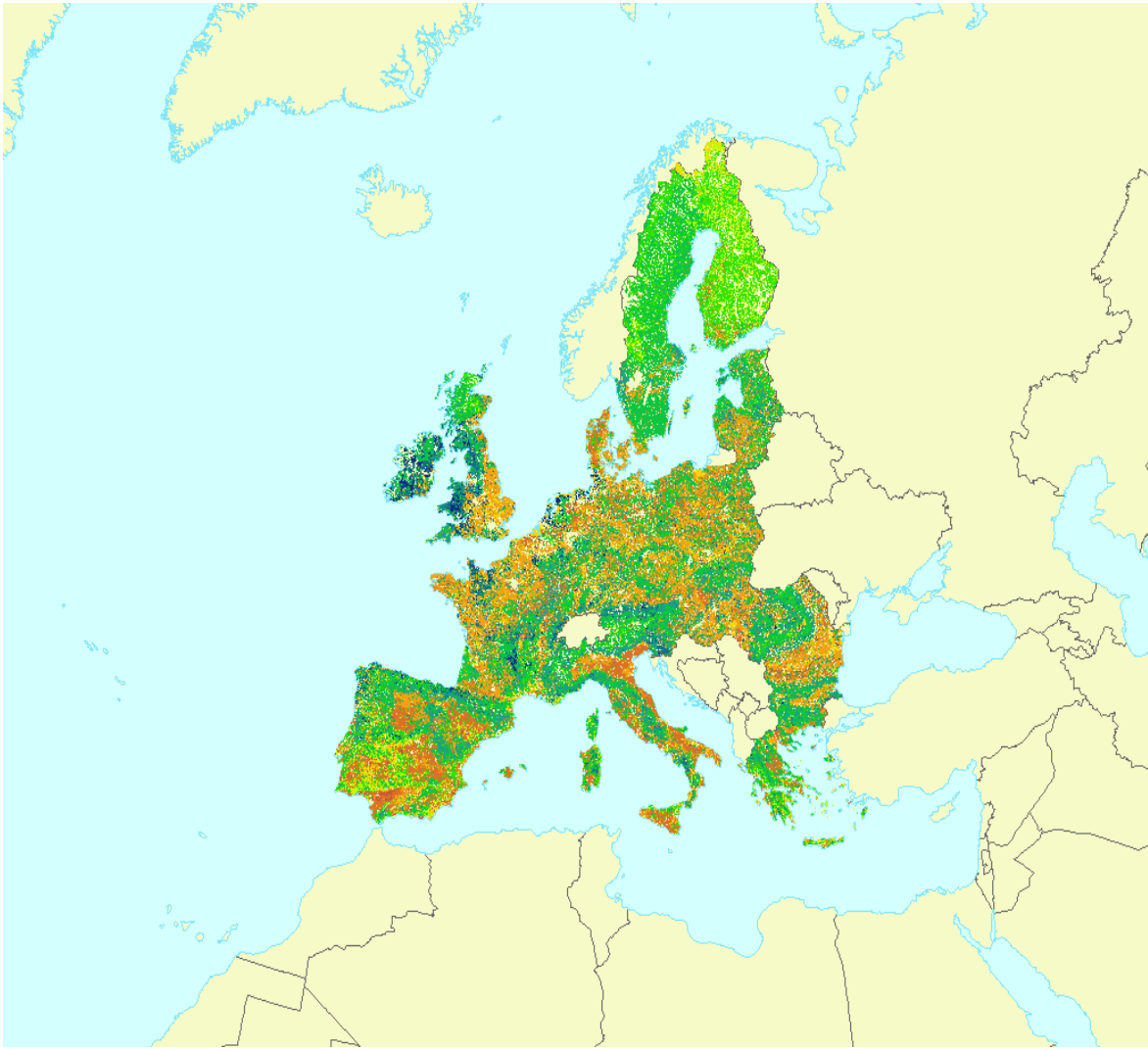
scores, the general status of soil biodiversity potentials could be assessed and mapped on a European scale. The assessment of the soil biodiversity potential is calculated as the spatial sum of the re-classified layers of each indicator (see figure 2 of paper). The score of the land cover/land use indicator is used as a multiplying factor.

For more information about the quality checks performed on the dataset, the document "eea_r_3035_1_km_soilbiodiv_2000_SpatialDataDeliveryReport.docx" is also made available with the dataset.

Metadata

File identifier	d8d6ac30-da40-41a5-bcfb-d58f8ba118fa XML			
Metadata language	English			
Character set	UTF8			
Hierarchy level	Dataset			
Date stamp	2022-03-28T08:19:17.81Z			
Metadata standard name	ISO 19115/19139			
Metadata standard version	1.0			
Metadata author	Organisation name	Individual name	Electronic mail address sdi@eea.europa.eu	Website Role Point of contact
	European Environment Agency			

Overviews



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