



## 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	<b>Organisation name</b>  European Environment Agency	<b>Individual name</b>  European Environment Agency	<b>Electronic mail address</b>  sdi@eea.europa.eu
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### 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"><li>• Soil</li><li>• Land cover</li></ul>
Keywords	
Keywords	
GEMET	<ul style="list-style-type: none"><li>• land cover</li><li>• soil quality</li><li>• soil function</li><li>• soil capability</li><li>• soil</li><li>• biodiversity</li></ul>
Continents, countries, sea regions of the world.	<ul style="list-style-type: none"><li>• EU27 (2007-2013)</li></ul>
Spatial scope	<ul style="list-style-type: none"><li>• European</li></ul>
EEA topics	<ul style="list-style-type: none"><li>• Biodiversity</li></ul>

	<ul style="list-style-type: none"> <li>• Nature protection and restoration</li> <li>• Soil</li> <li>• Land use</li> </ul>
<b>Access constraints</b>	Other restrictions
<b>Other constraints</b>	<a href="#">no limitations to public access</a>
<b>Use constraints</b>	Other restrictions
<b>Other constraints</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>Spatial representation type</b>	Grid
<b>Distance</b>	1 km
<b>Language of dataset</b>	English
<b>Character set</b>	UTF8
<b>Topic category</b>	<ul style="list-style-type: none"> <li>• Environment</li> </ul>

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Begin date	2000-01-01		
End date	2000-12-31		
Coordinate reference system identifier	<a href="#">EPSG:3035</a>		
Distribution format	<ul style="list-style-type: none"> <li><input checked="" type="radio"/> GeoTIFF ( 1 )</li> </ul>		
OnLine resource	<b>Protocol</b> EEA:FILEPATH WWW:URL OGC:WMS ESRI:REST	<b>Linkage</b> <a href="https://sdι.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">https://sdι.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</a> <a href="https://sdι.eea.europa.eu/data/d8d6ac30-da40-41a5-bcfbd58f8ba118fa">https://sdι.eea.europa.eu/data/d8d6ac30-da40-41a5-bcfbd58f8ba118fa</a> <a href="https://land.discomap.eea.europa.eu/arcgis/services/Land/SoilBiodiversityPotential/MapServer/WMServer?request=GetCapabilities&amp;service=WMS">https://land.discomap.eea.europa.eu/arcgis/services/Land/SoilBiodiversityPotential/MapServer/WMServer?request=GetCapabilities&amp;service=WMS</a> <a href="https://land.discomap.eea.europa.eu/arcgis/rest/services/Land/SoilBiodiversityPotential/MapServer">https://land.discomap.eea.europa.eu/arcgis/rest/services/Land/SoilBiodiversityPotential/MapServer</a>	<b>Name</b> Direct download (Eionet authentication) 0
Hierarchy level	Dataset		
<b>Conformance result</b>			
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, <a href="https://doi.org/10.1016/j.scitotenv.2017.02.173">https://doi.org/10.1016/j.scitotenv.2017.02.173</a>. (<a href="http://www.sciencedirect.com/science/article/pii/S0048969717304229">http://www.sciencedirect.com/science/article/pii/S0048969717304229</a>)</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>		

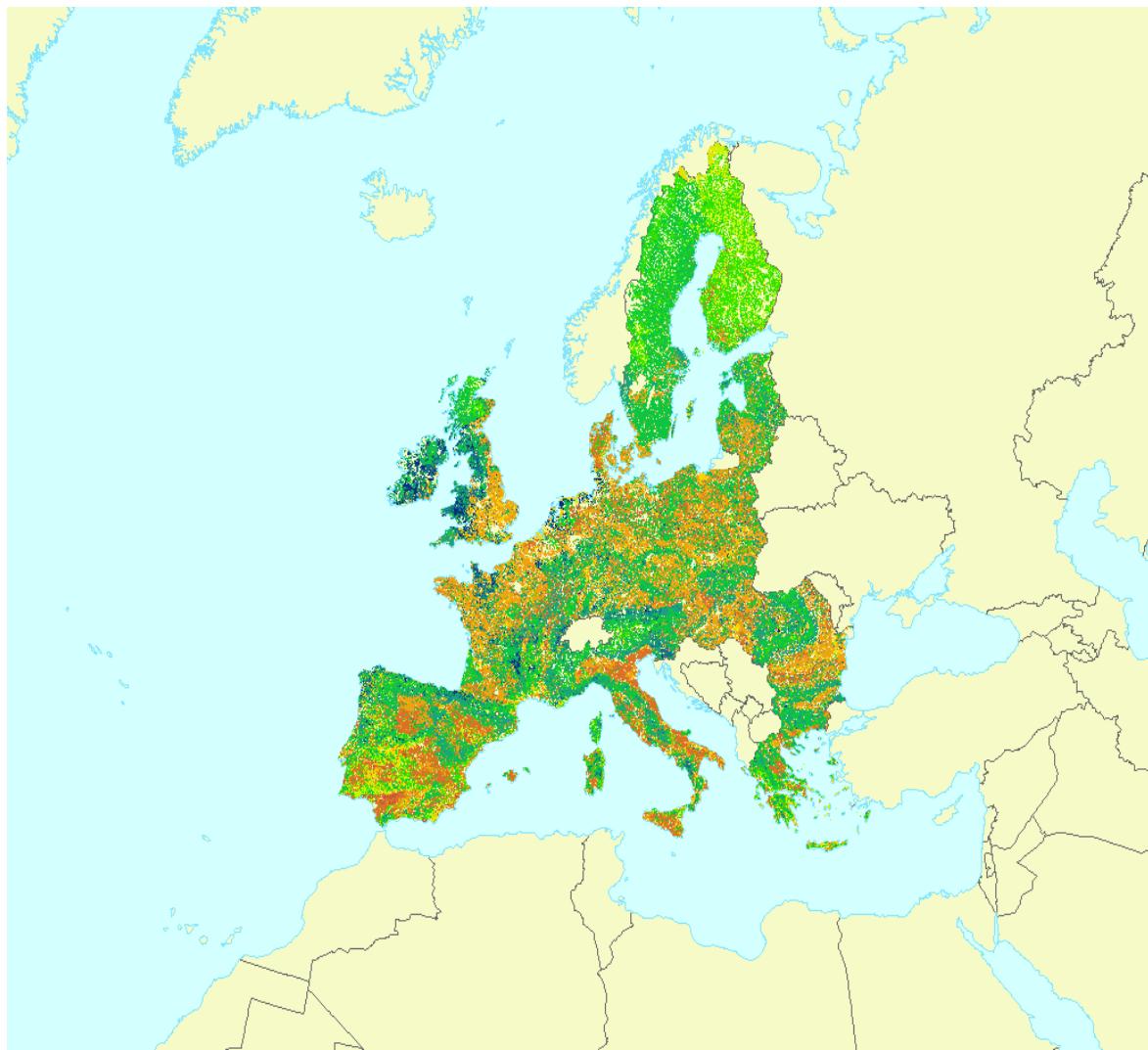
scores, the general status of soil biodiversity potentials could be assessed and mapped on a European scale. The assessment of the soil biodiversity potential is calculated as the spatial sum of the re-classified layers of each indicator (see figure 2 of paper). The score of the land cover/land use indicator 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

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

## Overviews



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