



Organic carbon in topsoils (OCTOP) in Europe, Jan. 2003

Soil organic carbon, the major component of soil organic matter, is extremely important in all soil processes. Organic material in the soil is essentially derived from residual plant and animal material, synthesized by microbes and decomposed under the influence of temperature, moisture and ambient soil conditions. The JRC has developed and makes available a map of Soil Organic Carbon content (%) in the surface horizon of soils in Europe.

This metadata record is adapted from the original one received from JRC.

Simple

Date (Creation)	2003-01-01
Citation identifier	jrc_r_3035_1_km_esdb-octop_i_2003
Status	Obsolete

Point of contact

No information provided.

Point of contact

No information provided.

GEMET - INSPIRE themes, version 1.0	<ul style="list-style-type: none">• Soil
GEMET	<ul style="list-style-type: none">• soil• organic carbon
Keywords	
Keywords	
EEA topics	<ul style="list-style-type: none">• Soil• Biodiversity• Agriculture and food
Use limitation	<p>Notification Regarding Use of Data</p> <p>The data provided has been prepared for use by internal research activities in the Land Management Unit and the Soil and Waste Unit, of the Institute for Environment & Sustainability, JRC Ispra.</p> <p>The data were developed for research purposes of the JRC only and not for any other activity. The JRC does not accept any liability whatsoever for any error, missing data or omission in the data, or for any loss or damage arising from its use. The JRC agrees to provide the data free of charge but is not bound to justify the content and values contained in the databases.</p> <p>The permission to use the data specified above is granted on condition that, under NO CIRCUMSTANCES are these data passed to third parties. Moreover they must NOT be used in any way for commercial gain or for purposes other than those specified above.</p> <p>The user also agrees to:</p> <p>Make proper reference to the source of the data when disseminating the results to which this agreement relates;</p> <p>Participate in the verification of the data (e.g. by noting and reporting any errors or omissions discovered to the JRC).</p> <p>Reference of source (Citations)</p> <p>References which should be cited whenever you use the OCTOP data:</p>

Jones, R.J.A., Hiederer, R., Rusco, E., Loveland, P.J. and Montanarella, L. (2004). The map of organic carbon in topsoils in Europe, Version 1.2, September 2003: Explanation of Special Publication Ispra 2004 No.72 (S.P.I.04.72). European Soil Bureau Research Report No.17, EUR 21209 EN, 26pp. and 1 map in ISO B1 format. Office for Official Publications of the European Communities, Luxembourg.

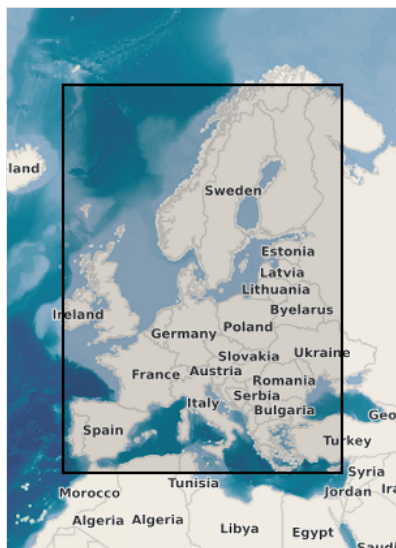
Jones, R.J.A., R. Hiederer, E. Rusco, P.J. Loveland and L. Montanarella (2005). Estimating organic carbon in the soils of Europe for policy support. European Journal of Soil Science, October 2005, 56, p.655-671.

Panagos, P., Van Liedekerke, M., Montanarella, L., Jones, R.J.A, Soil organic carbon content indicators and web mapping applications, Environmental Modelling & Software, Volume 23, Issue 9, September 2008, Pages 1207-1209.

Panagos P., Van Liedekerke M., Jones A., Montanarella L. European Soil Data Centre: Response to European policy support and public data requirements. (2012) Land Use Policy, 29 (2), pp. 329-338. doi:10.1016/j.landusepol.2011.07.003

Access constraints	Other restrictions
Other constraints	no limitations to public access
Spatial representation type	Grid
Distance	1 km
Language of dataset	English
Character set	UTF8
Topic category	<ul style="list-style-type: none">• Geoscientific information

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Begin date	2003-01-01
End date	2003-12-31
Coordinate reference system identifier	EPSG:3035
Distribution format	<ul style="list-style-type: none"> AIG ()

OnLine resource

No information provided.

Hierarchy level	Dataset
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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

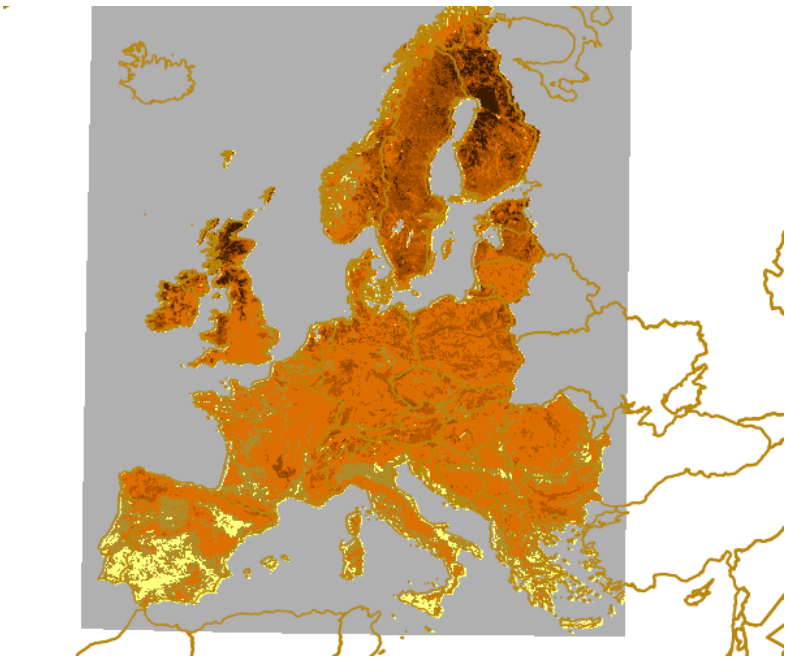
Statement	<p>Refer to http://eusoils.jrc.ec.europa.eu/ESDB_Archive/octop/octop_data.html and to</p> <p>* Jones, R.J.A, R. Hiederer, E. Rusco, P.J. Loveland and L. Montanarella (2005). Estimating organic carbon in the soils of Europe for policy support. European Journal of Soil Science, October 2005, 56, p.655-671.</p> <p>* Robert J.A. Jones, Roland Hiederer, Ezio Rusco, Peter J. Loveland and Luca Montanarella European Soil Bureau Research Report No.15, EUR 21209, 40pp. Office for Official Publications of the European Communities, Luxembourg. [http://eusoils.jrc.ec.europa.eu/ESDB_Archive/eusoils_docs/other/OCTopMapBkLet76.pdf].</p>
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Metadata

File identifier	8f77324b-3ad9-4f2d-98a3-149c1f799f11 XML
Metadata language	English
Character set	UTF8
Hierarchy level	Dataset

Date stamp	2025-01-10T08:30:02.326901Z			
Metadata standard name	ISO 19115/19139			
Metadata standard version	1.0			
Metadata author	Organisation name	Individual name	Electronic mail address	Website Role
	European Environment Agency		sdi@eea.europa.eu	Point of contact

Overviews



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