



Global Soil Organic Carbon Estimates in subsoil (30 arcsec), Mar. 2012

Global estimates of soil organic carbon stocks have been produced in the past to support the calculation of potential emissions of CO₂ from the soil under scenarios of change land use /cover and climatic conditions (IPCC, 2006), but very few global estimates are presented as spatial data. For global spatial layers on soil parameters, the most recent and complete dataset is available as the Harmonized World Soil Database (HWSD). The HWSD represents a step forward towards a spatially more detailed and thematically more refined set of global soil data.

This dataset contains the organic carbon density (t ha⁻¹) for the subsoil (30 - 100cm) from the amended HWSD.

The original delivery from JRC consisted of two files in IDRISI Raster format, each covering half of the globe. For convenience, these files have been merged at EEA into a single GeoTIFF file covering the whole globe. The original files are in the zip archive HWSDa_OC_Dens_30SEC.zip

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

Simple

Date (Creation)	2012-03-31
Citation identifier	jrc_r_4326_30_arcsec_org-c-sub_2009
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">• organic carbon• soil
Keywords	
Keywords	
Spatial scope	<ul style="list-style-type: none">• Global
EEA topics	<ul style="list-style-type: none">• Soil
Use limitation	<p>Notification regarding these data:</p> <p>The data provided has been prepared for use by internal research activities in the Land Resource Management 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>All rights reserved. No part of this Harmonized World Soil Database may be reproduced, stored in a retrieval system or transmitted by any means for resale or other commercial purposes without written permission of the copyright holders. Reproduction and dissemination of material in this information product for educational or other noncommercial purposes are authorized without any prior written permission from the copyright holders provided the source is fully acknowledged.</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 agrees to:</p>

- a) Make proper reference to the source of the data when disseminating the results to which this agreement relates;
- b) Participate in the verification of the data (e.g. by noting and reporting any errors or omissions discovered to the JRC).

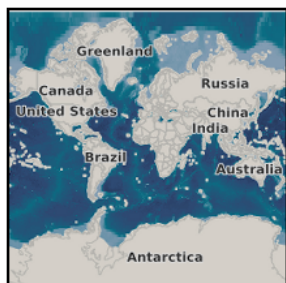
Reference of source (Citations) :

R. Hiederer, M. Köchy 2012. Global Soil Organic Carbon Estimates and the Harmonized World Soil Database. EUR Scientific and Technical Research series – ISSN 1831-9424 (online), ISSN 1018-5593 (print), ISBN 978-92-79-23108-7, doi:10.2788/13267

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	0.008333333333 deg
Language of dataset	English
Character set	UTF8
Topic category	<ul style="list-style-type: none"> • Geoscientific information

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Begin date	2009-01-01
End date	2009-12-31
Coordinate reference system identifier	EPSG:4326
Distribution format	<ul style="list-style-type: none"> GeoTIFF ()

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 Global Soil Organic Carbon Estimates and the Harmonized World Soil Database R. Hiederer, M. Köchy 2012 – 79 pp. – EUR 25225 EN – EUR Scientific and Technical Research series – ISSN 1831-9424 (online), ISSN 1018-5593 (print), ISBN 978-92-79-23108-7, doi:10.2788/13267 [http://eusoils.jrc.ec.europa.eu/ESDB_Archive/eusoils_docs/Other/EUR25225.pdf]</p> <p>The original delivery from JRC consisted of two files in IDRISI Raster format, each covering half of the globe. For convenience, these files have been merged at EEA into a single GeoTIFF file covering the whole globe. The original files are in the zip archive HWSa_OC_Dens_30SEC.zip</p>
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Metadata

File identifier	c872cc3a-f73d-447c-8140-be183811801d XML
Metadata language	English
Character set	UTF8
Hierarchy level	Dataset
Date stamp	2025-01-10T08:25:08.992993Z
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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