

Global Soil Organic Carbon Estimates in topsoil (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 topsoil (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-top_2009 |

Point of contact

No information provided.

Point of contact

No information provided.

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| 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 | |
| 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> <p>a) Make proper reference to the source of the data when disseminating the results to which this agreement relates;</p> |

b) Participate in the verification of the data (e.g. by noting and reporting any errors or omissions discovered to the JRC).

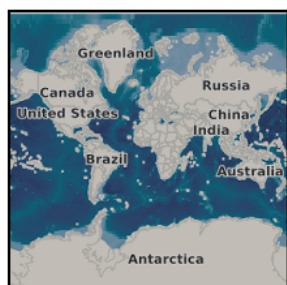
Reference of source (Citations) :

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

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|-----------------------------|-----------------------------------------------------------------------------|
| 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 |
|-----------------|---------|

Conformance result

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

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| 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

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|---------------------------|----------------------------------------------------------|
| File identifier | a0187284-86da-4d48-9c68-57fbbd62cc32 XML |
| Metadata language | English |
| Character set | UTF8 |
| Hierarchy level | Dataset |
| Date stamp | 2021-05-19T09:35:54.062Z |
| Metadata standard name | ISO 19115/19139 |
| Metadata standard version | 1.0 |
| Metadata author | |

| Organisation name | Individual name | Electronic mail address | Website | Role of contact |
|-----------------------------|-----------------|-------------------------|---------|------------------|
| European Environment Agency | | sdi@eea.europa.eu | | Point of contact |

Overviews



Provided by

