

Temporary Dataset Download: LUCAS Heavy Metals

ID	131131
Date - Time	Sat, 07/11/2026 - 12:15
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Type of Organization	Research Organization
-- Other	
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Purpose	The data will be used for a non-commercial academic research project tentatively titled "[Global Distribution and Influencing Factors of Soil Cadmium]". Specifically, the LUCAS soil cadmium data will be integrated with other global datasets to analyze the spatial patterns and environmental drivers of cadmium concentration in agricultural soils. The results will be used solely for a scientific publication and a [Master's/PhD] thesis.
Notes	

Notifications:

(26/01/2026)

The notification points below are the same as those for the LUCAS SOIL 2009/2012, 2015 and 2018 datasets distributed in ESDAC.

In essence, it is allowed to use the data for whatever purpose (commercial or not). It is **not** allowed to pass the data wholesale to third parties (as ESDAC likes to monitor the use of all its data). Proper reference/citation should be given to the data source when using the data for any publication.

1. The LUCAS_SOIL data are the property of the European Union, represented by the European Commission, represented by the Directorate General-Joint Research Centre (hereafter referred to as the JRC), which is allowed to authorize third parties to use these data free of charge.
2. The LUCAS_SOIL data have been generated with a harmonised methodology for the production of statistics on soil characteristics at European level and are not meant to provide any information as to personal or land properties character. Furthermore, given the relatively limited number of points analysed and their spatial distribution, data contained in LUCAS_SOIL cannot be considered representative of local conditions and certainly not of field conditions.
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4. The Licensee shall take all the necessary regulatory, administrative, technical and organisational measures to ensure that the data are used only in accordance with the principles specified in Article 2 and for the purposes specified in Article 3 and that there will be no attempt to identify by any means whatsoever, any individual statistical unit other than the geo-referenced coordinates of the points. In particular, owners of the land to which the

points belong shall not be identified.

5. In any reports, including all publications and unpublished papers, the following rules should be applied:
 - a) Any results can be published once a proper aggregation process that prevents any individual body (private person, private organisation) from being identified has been applied,
 - b) Graphical representation of individual units on a map is permitted as far as the geographical location of the soil samples is not detectable.
6. The present licence is granted free of charge.
7. This agreement shall start on the date the Licencee has received the LUCAS_SOIL data from the JRC. There is no need for a signature of the present agreement by the JRC.
8. The LUCAS_SOIL database will be accessible only to the Licensee and staff working for the Licensee's Organization and on a need-to-know basis. The Licencee undertakes to inform the authorized persons of the existence of the present licence agreement and of its obligations that they will also have to respect.
9. The European Union will be formally mentioned and fully acknowledged in, but not limited to, reports, articles, publications and presentations of work resulting from the use of the LUCAS_SOIL data as follows: "The LUCAS topsoil dataset used in this work was made available by the European Commission through the European Soil Data Centre managed by the Joint Research Centre (JRC), <http://esdac.jrc.ec.europa.eu/>."
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18. The Licencee shall not use any trademarks of the European Union, the European Commission or JRC

19. The name LUCAS_SOIL of the data being created by the European Union, the Licencee shall not use the name of LUCAS_SOIL without prior written authorization of the JRC and shall not register the name LUCAS_SOIL as a trademark
20. Personal data retrieved from the LUCAS_SOIL database shall be processed according to Regulation (EC) 45/2001 of the European Parliament and of the Council of 18 December 2000 on the protection of individuals with regard to the processing of personal data by the Community institutions and bodies and on the free movement of such data
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23. This Agreement shall be governed by and construed in accordance with Belgian law. Any dispute, controversy or claim arising out of or relating to this Licence shall be settled before the competent courts of Brussels.
24. The following Annexes form an integral part of this License Agreement: ANNEX 1: Specification of LUCAS_SOIL Database
25. **THE LICENCEE ACKNOWLEDGES TO HAVE READ, UNDERSTOOD AND AGREED TO BE BOUND BY THE ABOVE-MENTIONED TERMS AND CONDITIONS OF THE CONTRACT**

Technical assistance concerning the use of the LUCAS data can be obtained from : ec-esdac@ec.europa.eu

References:

Orgiazzi, A., Ballabio, C., Panagos, P., Jones, A. and Fernández-Ugalde, O., 2018. [LUCAS Soil, the largest expandable soil dataset for Europe: a review](#). *European Journal of Soil Science*, **69**(1):

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