

Temporary Dataset Download: LUCAS 2018 TOPSOIL data

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Type of Organization	Private Company
-- Other	
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Purpose	Research on soil organic carbon profiles for the DeepSoilPINN project (Microhumus with La Rochelle Université, funded by Bpifrance): training and validating physics-informed neural networks on LUCAS topsoil data. Results are published only as aggregated maps and statistics.
Notes	

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

References:

How to cite the data and associated report/scientific publications:

Fernandez-Ugalde, O; Scarpa, S; Orgiazzi, A.; Panagos, P.; Van Liedekerke, M; Marechal A. & Jones, A. [LUCAS 2018 Soil Module. Presentation of dataset and results](#), EUR 31144 EN, Publications Office of the European Union, Luxembourg. 2022, ISBN 978-92-76-54832-4, doi:10.2760/215013, JRC129926

[Scientific publication](#) describing the LUCAS survey as a whole.

Orgiazzi, A., Ballabio, C., Panagos, P., Jones, A., Fernández-Ugalde, O. 2018. **LUCAS Soil, the largest expandable soil dataset for Europe: A review**. *European Journal of Soil Science*, 69(1): 140-153. <https://doi.org/10.1111/ejss.12499>