

[Temporary Dataset Download: Maps of indicators of soil hydraulic properties for Europe](#)

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Date - Time	Thu, 06/18/2026 - 09:51
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Type of Organization	Research Organization
-- Other	
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Purpose	Scientific research on agricultural water management. The dataset will be compared with ISRIC SoilGrids and Catalan soil datasets to evaluate soil hydraulic properties and improve irrigation requirement estimates using satellite remote sensing. Results may contribute to a scientific publication.
Notes	

Notifications:

Notification:

1. The data are made available for any activity even commercial.
2. The data provided has been prepared for use by internal research activities in the ex - Land Resource Management Unit (Institute for Environment & Sustainability, JRC Ispra).
3. The data were developed for research purposes of the JRC (European Commission). 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.
4. The permission to use the data specified above is granted on condition that, under NO CIRCUMSTANCES are these data passed to third parties. They can be used for any purpose, including commercial gain.
5. The user agrees to:
 - Make proper reference to the source of the data when disseminating the results to which this agreement relates;
 - Participate in the verification of the data (e.g. by noting and reporting any errors or omissions discovered to the JRC).

References:

When making reference to the data/map:

"Maps of indicators of soil hydraulic properties for Europe", dataset/maps downloaded from the European Soil Data Centre, esdac.jrc.ec.europa.eu, 2016.

Scientific References:

- European soil database (distribution version v2.0). European Commission Joint Research Centre, Italy (available after registration from ESDAC).
- Hijmans, R. J., 2015. raster: Geographic data analysis and modeling. R package version 2.3-24. URL <http://CRAN.R-project.org/package=raster>
- Jones, R. J. A., Hiederer, R., Rusco, E., Montanarella, L., October 2005. Estimating organic carbon in the soils of Europe for policy support. European Journal of Soil Science 56, 655-671 (available after registration from ESDAC).
- [Toth, B., Weynants, M., Nemes, A., Mako, A., Bilas, G., Toth, G., 2014. New generation of hydraulic pedotransfer functions for Europe. European Journal of Soil Science](#)