

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

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Date - Time	Fri, 01/16/2026 - 11:30
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Purpose	modeling irrigation demand by better describing soil properties
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).
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  - 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](http://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](#)