

WoSIS, supplemental information (May 2025)



In addition to depth data from the latest WoSIS snapshot, the subsets described below were used for the “2025 soil thickness” SoilGrids mapping study.

(Note: The corresponding “full” datasets will be ingested in WoSIS following the regular ETL workflow at a later stage, probably from Q4/2025 onwards; for further information see [here](#))

Region	Source	URL
Argentina	a) Christina Fröjd, Dario Trombotto Liaudat, Christopher Scheer, Ivanna Pecker Marcosig & Peter Kuhry (2022) Soil organic carbon stocks in mountain periglacial areas of northern Patagonia (Argentina), Arctic, Antarctic, and Alpine Research, 54:1, 176-199 b) Kuhry P, Makopoulou E, Pascual Descarrega D, Pecker Marcosig I and Trombotto Liaudat D 2022. Soil organic carbon stocks in the high mountain permafrost zone of the semi-arid Central Andes (Cordillera Frontal, Argentina). <i>CATENA</i> 217, 106434	a) https://doi.org/10.1080/15230430.2022.2062102 b) https://www.sciencedirect.com/science/article/pii/S0341816222004209
Australia	ANSIS 2023. <i>Australian National Soil Information System</i> , Australian National Soil Information System, Canberra (AU)	https://ansis.net/
Canada	National Pedon Database, Agriculture and Agri-food Canada, Canada (ver. Oct. 2021)	https://sis.agr.gc.ca/cansis/nsdb/npdb/index.html

Colombia	<p>a) Araujo-Carrillo GA, Varón-Ramírez VM, Jaramillo-Barrios CI, Estupiñan-Casallas JM, Silva-Arero EA, Gómez-Latorre DA and Martínez-Maldonado FE 2021. IRAKA: The first Colombian soil information system with digital soil mapping products. <i>CATENA</i> 196, 104940.</p> <p>b) Winton RS, Benavides JC, Mendoza E, Uhde A, Hastie A, Honorio Coronado EN, Hernandez Ortega AG, Paukku S, Mullins B, del Aguila Pasquel J, Aymard-Corredor GA, Baker TR, Draper FC, Flores Llampazo G, Herrera R, Phillips OL, Reyna Huaymacari JM, ter Steege H, Stropp J, Lawson IT, Gallego-Sala AV, Boom A, Wehrli B and Hoyt AM 2025. Widespread carbon-dense peatlands in the Colombian lowlands. <i>Environmental Research Letters</i> 20, 054025</p>	<p>a) http://www.sciencedirect.com/science/article/pii/S0341816220304902</p> <p>b) https://dx.doi.org/10.1088/1748-9326/adbc03</p>
Congo	Crezee et al. (2022). Mapping peat thickness and carbon stocks of the central Congo Basin using field data. <i>Nature Geoscience</i> .	https://doi.org/10.1038/s41561-022-00966-7
Ecuador	Armas D, Guevara M, Bezares F, Vargas R, Durante P, Osorio V, Jiménez W and Oyonarte C 2023. Harmonized Soil Database of Ecuador (HESD): data from 2009 to 2015. <i>Earth Syst. Sci. Data</i> 15, 431-445.	https://essd.copernicus.org/articles/15/431/2023/
Finland	Ilvesniemi, H. (2023). Biosoil soil data for Finland (Version 1). Natural Resources Institute Finland	https://doi.org/10.23729/082bf910-9dbe-4650-a4c7-cfa9b83d5954 .
Germany	Poeplau, C., Don, A., Flessa, H., Heidkamp, A., Jacobs, A., Prietz, R., 2020. Erste Bodenzustandserhebung Landwirtschaft – Kerndatensatz.	https://doi.org/10.3220/DATA20200203151139
Greenland (DK)	van Soest MAJ, Anderson NJ and Bullard JE 2025. Arctic soil development under conditions. <i>CATENA</i> 254, 108938	https://www.sciencedirect.com/science/article/pii/S0341816225002401
India	a) Challa, O., ELS. Gajbhiye and M. Velayutham (1999), “ <i>Soil Series of Maharashtra</i> ” Publ. No. 79, NBSS&LUP, Nagpur, 428 p.	<p>a) Hard copy, not yet registered in ISRIC library</p> <p>b) https://edepot.wur.nl/494320</p>

	<p>b) Sohan Lal, Rajeev Srivastava, Tapas Bhattacharyya, and Jagdich Prasad, 1988. Benchmark Swell-shrink soils of India – morphology, characteristics and classification. NBSS&LUP, New Delhi, 181 p</p> <p>c) Sohan Lal, Rajeev Srivastava, Tapas Bhattacharyya, and Jagdich Prasad, 1988. Benchmark Swell-shrink soils of India – morphology, characteristics and classification. NBSS&LUP, New Delhi, 181 p.</p>	c) https://edepot.wur.nl/494320
Israel	<p>Soil Survey, Land Evaluation and Remote Sensing Department, Soil Conservation & Drainage Division Ministry of Agriculture and Rural Development, Israel</p>	https://www.gov.il/en/departments/ministry_of_agriculture_and_rural_development/govil-landing-page
Kurdistan (Iraq)	<p>Bellat, Mathias; Glissmann, Benjamin; Rentschler, Tobias; Sconzo, Paola; Pfälzner, Peter; Brifkany, Bekas; Scholten, Thomas (2024): Soil bulk density and soil depth from on-site observations in the North-Western Kurdistan region, Iraq [dataset]. <i>PANGAEA</i></p>	https://doi.org/10.1594/PANGAEA.973714
Martinique (FR)	<p>Barthès BG, Venkatapen C, Cambou A and Blanchart E 2023. Data on soil organic carbon content and stock in Martinique – relations to near infrared spectra.</p>	https://doi.org/10.23708/C2TV6W
Tibet (PR China)	<p>a) Kaiser, Knut; Miehe, Georg; Schoch, Werner H; Zander, Anja; Schlütz, Frank (2006): (Table 1) Granulometry, soil pH, carbonate content and color description of soil profiles obtained in the Kyichu River catchment [dataset]. <i>PANGAEA</i></p> <p>b) Kaiser, Knut; Schoch, Werner H; Miehe, Georg (2007): Granulometry, calcium carbonate content and radiocarbon ages of soil profiles obtained in Quinghai Province, northeast Tibet [dataset publication series]. <i>PANGAEA</i></p>	<p>a) https://doi.org/10.1594/PANGAEA.787116</p> <p>b) https://doi.org/10.1594/PANGAEA.787132</p> <p>c) https://doi.org/10.1594/PANGAEA.787107</p>

	c) Kaiser, Knut (2004) : (Table 1) Granulometry, soil pH, carbonate content and color description of soil profiles obtained in Xinghai, Tibet [dataset]. <i>PANGAEA</i>	
USA	National Cooperative Soil Survey Soil Characterization Data (Lab Data), Release 2021	https://ncsslabsdatamart.sc.egov.usda.gov/database_download.aspx
Switzerland	Swiss Soil Dataset Version 7.0, Swiss Soil Monitoring Network (NABO)	https://nabodat.ch/index.php/de/

Further information can be found under “Notes and general conditions” at:
[https://www.isric.org/explore/wosis/wosis-contributing-institutions-and-experts,](https://www.isric.org/explore/wosis/wosis-contributing-institutions-and-experts)