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Temporary Dataset Download: Global Soil Erodibility

ID	130337
Date - Time	Fri, 06/19/2026 - 07:38
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Purpose	We are conducting a 1km-resolution global spatial analysis to investigate the structural resilience of tropical variable-charge soils. The K-factor dataset will be directly integrated with the ESDAC R-factor to compute global RUSLE. We will then employ PSM, GWR, and PLS-PM models to decouple the physical-chemical locking mechanisms of soil erosion. This data request is part of an ongoing collaborative manuscript, which is currently being coordinated with Dr. Panos Panagos.
Notes	

Notifications:

1. The data provided has been prepared for use by internal research activities in the Joint Research Centre (JRC) Ispra in collaboration with University of Basel and Soil Mission project AI4SoilHealth.
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    - Participate in the verification of the data (e.g. by noting and reporting any errors or omissions discovered to the JRC).

References:

Gupta, S., Borrelli, P., Panagos, P., Alewell, C., 2024. An advanced global soil erodibility (K) assessment including the effects of saturated hydraulic conductivity. Science of The Total Environment 908, 168249. https://doi.org/10.1016/j.scitotenv.2023.168249