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Temporary Dataset Download: Global phosphorus losses due to soil erosion

ID	136504
Date - Time	Tue, 11/17/2026 - 11:08
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-- Other	
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Purpose	The dataset will be used for non-commercial academic research at Zhejiang University. Specifically, it will be used to compare and validate RUSLE-based soil erosion estimates, analyze the spatial distribution of erosion-induced phosphorus losses, and assess the contribution of soil erosion to agricultural phosphorus cycling and nutrient budgets at global and regional scales.
Notes	

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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. In addition, other research organisations have participated in this research: INRA (FR), UK Centre for Ecology & Hydrology and Kangwon National University (South Korea).
2. The data are the result of JRC research activities and are primarily made available for further research. 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.
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4. 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:

Alewell, C., Ringeval, B., Ballabio, C., Robinson, D.A., Panagos, P., Borrelli, P. 2020. Global phosphorus shortage will be aggravated by soil erosion. Nat Commun 11, 4546. https://doi.org/10.1038/s41467-020-18326-7