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Temporary Dataset Download: Global Soil Erosion

ID	130304
Date - Time	Thu, 06/18/2026 - 12:21
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Purpose	AI-driven drone reconnaissance project to detect and monitor drainage infrastructure conditions (erosion, sedimentation, vegetation overgrowth, structural damage) in bayous, streams, and ditches, validating computer vision pipelines against traditional inspection methods to support maintenance planning and infrastructure management.
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. In addition, other research organisations have participated in this research: NERC Centre for Ecology and Hydrology- Environment Centre Wales (United Kingdom), World Food Programme - Roma (Italy), Freie Universität Berlin (Germany), University of Palermo (Italy), Université Catholique de Louvain (Belgium). The work has bee also done in collaboration with Intergovernmental Technical Panel on Soils (ITPS) of the Food Agriculture Organisation (FAO).
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    - make proper reference to the source of the data when disseminating the results to which this agreement relates;
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References:

Borrelli P., Robinson D.A., Fleischer L.R., Lugato E., Ballabio C., Alewell C., Meusburger K., Modugno, S., Schutt, B. Ferro, V. Bagarello, V. Van Oost, K., Montanarella, L., Panagos P. 2017. An assessment of the global impact of 21st century land use change on soil erosion. *Nature Communications,* **8 (1)**: art. no. 2013