

Temporary Dataset Download: Global Soil Organic Carbon displaced due to erosion

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Purpose	Academic, non-commercial research on spatially robust machine learning for erosion-induced soil organic carbon displacement. The dataset will be used for spatial out-of-distribution evaluation across regions and for benchmarking retrieval, adaptation, and abstention methods. Source files will not be redistributed; the dataset will be cited and used in accordance with its licence.
Notes	

Notifications:

- The data provided has been prepared for use by internal research activities of the Joint Research Centre (JRC) with Kangwon National University (Republic of Korea), University of Basel (Switzerland) and Roma Tre University (Italy)
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- The user agrees to:
 - a) Make proper reference to the source of the data when disseminating the results to which this agreement relates;
 - b) Participate in the verification of the data (e.g. by noting and reporting any errors or omissions discovered to the JRC).

References:

Yoon, J.H., Jung, S.S., Kim, H.S., Park, Y., Kim, H., Mishra, U., Gautam, S., Alewell, C., Panagos, P., Kirkham, M.B., Borrelli, P., Yang, J. 2025. [Impact of soil erosion on soil organic carbon loss and its implications for carbon neutrality](#). *Advances in Agronomy*, **191**: 363-414.