

## **Temporary Dataset Download: Net erosion and sediment transport using WaTEM/SEDEM (for EU)**

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|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ID                   | 132572                                                                                                                                                                                                       |
| Date - Time          | Sat, 08/22/2026 - 04:29                                                                                                                                                                                      |
| Name of User         | Manchong                                                                                                                                                                                                     |
| Organization         | Guilin University of Technology                                                                                                                                                                              |
| Type of Organization | University                                                                                                                                                                                                   |
| -- Other             |                                                                                                                                                                                                              |
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| Purpose              | Academic research on pan-European gully erosion susceptibility mapping and reproducibility assessment of a published random forest model. The data will be used only for non-commercial scientific research. |
| Notes                |                                                                                                                                                                                                              |

### Notifications:

1. The data provided has been prepared for use by internal research activities in European Soil Data Centre (Sustainable Resources Directorate, JRC Ispra) in the context of developing the new Soil Loss Map by water erosion of Europe .
2. The data were developed for research purposes of the JRC (European Commission). 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.
3. The permission to use the data specified above is granted on condition that, under NO CIRCUMSTANCES are these data passed to third parties. They can be used for any purpose, including commercial gain.
4. 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:

Borrelli, P., Van Oost, K., Meusburger, K., Alewell, C., Lugato, E., Panagos, P. 2018. [A step towards a holistic assessment of soil degradation in Europe: Coupling on-site erosion with sediment transfer and carbon fluxes](#). *Environmental Research*, **161**: 291-298.

Panagos, P., Matthews, F., Patault, E., De Michele, C., Quaranta, E., Bezak, N., Kaffas, K., Patro, E.R., Auel, C., Schleiss, A.J. and Fendrich, A., Liakos, L., Van Eynde, E., Vieira, D., Borrelli, P. 2024. [Understanding the cost of soil erosion: An assessment of the sediment removal costs from the reservoirs of the European Union](#). *Journal of Cleaner Production*, **434**: 140183.