Temporary Dataset Download: Global Rainfall Erosivity

ID	123603
Date - Time	Sun, 01/11/2026 - 12:04
Name of User	Yinan Li
Organization	Nanjing Normal University
Type of Organization -- Other	University
E-mail	1075242667@qq.com
Purpose	intend to use the Global Rainfall Erosivity dataset provided by the European Commission for academic research. The dataset will be integrated with the InVEST model and GIS-based spatial analysis to investigate the spatiotemporal patterns of rainfall erosivity at the watershed scale in the Nanjing Metropolitan Area and its impacts on ecosystem services. The data will be used solely for non-commercial scientific research and thesis preparation.
Notes	

Notifications:

1. The data provided has been prepared for use by internal research activities in the Joint Research Centre (JRC) Ispra. The data have been produced in 2013-2017 in collaboation between European Commission (Joint Research Centre), University of Basel and Meteorological and Environmental Institutions from 63 countries all over the World.
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.
3. The input data is the GloREDa Database (you are reccomended to download the 4,000 stations data which includes monthly values as well).
4. 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.
5. 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:

Panagos P., Borrelli P., Meusburger K., Yu B., Klik A., Lim K.J., Yang J.E, Ni J., Miao C., Chattopadhyay N., Sadeghi S.H., Hazbavi Z., Zabihi M., Larionov G.A., Krasnov S.F., Garobets A., Levi Y., Erpul G., Birkel C., Hoyos N., Naipal V., Oliveira P.T.S., Bonilla C.A., Meddi M., Nel W., Dashti H., Boni M., Diodato N., Van Oost K., Nearing M.A., Ballabio C., 2017. Global rainfall erosivity assessment based on high-temporal resolution rainfall records. *Scientific Reports* **7**: 4175.

DOI: 10.1038/s41598-017-04282-8.

Panagos, P., Hengl, T., Wheeler, I., Marcinkowski, P., Rukeza, M.B., Yu, B., Yang, J.E., Miao, C., Chattopadhyay, N., Sadeghi, S.H. and Levi, Y., et al. 2023. Global Rainfall Erosivity database (GloREDa) and monthly R-factor data at 1km spatial resolution. Data in Brief, 50, Art.no.109482. DOI: 10.1016/j.dib.2023.109482

Bezak, N., Borrelli, P. and Panagos, P., 2022. Exploring the possible role of satellite-based rainfall data in estimating inter-and intra-annual global rainfall erosivity. *Hydrology and Earth System Sciences*, **26(7)**: 1907-1924.