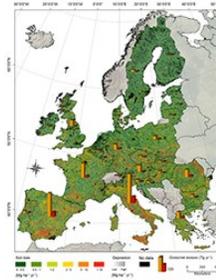


[Net erosion and sediment transport using WaTEM/SEDEM](#)

The JRC in collaboration with the University of Basel and the Universite Catholique de Louvain have quantified the potential spatial displacement and transport of soil sediments due to water erosion at European scale. Long-term averages of annual soil loss and deposition rates were computed by means of the extensively tested spatially distributed WaTEM/SEDEM model. According to a [recent research](#) study in Europe, the estimated sediment yield totals about $164 \pm 13 \text{ Tg yr}^{-1}$. The Sediment Delivery Ratio (SDR) i.e., the ratio between sediment yield (SY) and gross erosion, indicates that the sediment routed down the hillslopes to the riverine system accounts for 15.3% of the total eroded soil. Further improvement of the calibration scheme in the model transport parameter is foreseen to better reconcile the good agreement between predicted and measured sediment yield. The net erosion and sediment transport data are available (100m resolution) in ESDAC:



<https://esdac.jrc.ec.europa.eu/content/estimate-net-erosion-and-sediment-transport-using-watemse-dem-european-union>

[Global Symposium on Soil Pollution](#), 2-4 May 2018, FAO

The Global Symposium on Soil Pollution will be held from 2 to 4 May 2018 at FAO headquarters (Rome, Italy), Extended **abstract submission deadline (extended)**: 28 February 2018.



<http://www.fao.org/about/meetings/global-symposium-on-soil-pollution/en/>

[G2 model and regional erosion data](#)

G2 is a quantitative model, mapping soil loss (G2los module) and sediment yield (G2sed module) on month-time intervals, designed to run in a GIS environment. A functional combination of G2 with Hakanson risk index has led to the introduction of a third module serving as a heavy metal spatial risk assessment module, namely the G2met. According to a [recent review](#), G2 is designed to produce regional/local erosion assessments on monthly time-step. The data (monthly erosion rates plus other layers) are available for five application areas: Cyprus, Korce region (AL), Crete island (GR), Tirana (AL) and Strymonas/struma catchment (GR/BG):



<https://esdac.jrc.ec.europa.eu/content/g2-soil-erosion-model-data-crete-greece-and-strymonas-greecebulgaria-ishmi-erzeni-albania>

[Call for experts for the Intergovernmental Technical Panel on Soils \(ITPS\)](#)

The Global Soil Partnership (GSP) invites its Partners to nominate experts from their regions as candidates for appointment to the Intergovernmental Technical Panel on Soils (ITPS). The ITPS is composed of twenty-seven recognized soil experts. Its membership should ensure proper regional balance, optimal coverage of the range of scientific and practical areas of expertise required by the wide GSP mandate, as well as gender balance. Nominations should be sent by GSP Partners to **GSP-Secretariat@fao.org** on or before **30 March 2018**.



[The Wageningen Spring school on mapping and assessment of soils](#)

From 28 May to 1 June 2018, ISRIC - World Soil Information will organise a Spring School on "digital soil mapping, classification and assessment" for soil and environmental scientists, students, soil experts and professionals in natural resources management. The spring school will take place at the Wageningen Campus in the Netherlands and will consist of two five-day courses that are run in parallel. Registration deadline: 12 March 2018. Registration: <http://isric.org/springschool>



More Details

Download the ESDAC Newsletter: [PDF Format](#). **Feedback:** panos.panagos@ec.europa.eu

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