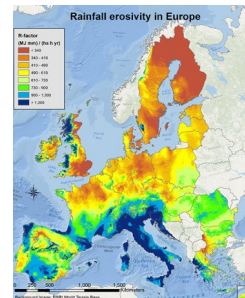


Rainfall Erosivity in Europe

The erosive force of rainfall is called rainfall erosivity. Rainfall erosivity considers the rainfall amount and intensity, and is most commonly expressed as the R-factor in the (R)USLE models. The purpose of this study is to assess rainfall erosivity in Europe in the form of the RUSLE R-factor. Data have been collected from 1,541 precipitation stations in all European Union (EU) Member States and Switzerland, with temporal resolutions of 5 to 60 minutes. The R-factor values calculated from precipitation data of different temporal resolutions were normalised to R-factor values with temporal resolution of 30 minutes using linear regression functions. These data were stored in Rainfall Erosivity Database on the European Scale (REDES). Precipitation time series ranged from a minimum of 5 years to maximum of 40 years, mostly covering the last decade. Data from REDES were interpolated with the Gaussian Process Regression (GPR) model resulting in the European rainfall erosivity map at 500m resolution. The mean R-factor for the EU plus Switzerland is $722 \text{ MJ mm ha}^{-1} \text{ h}^{-1} \text{ yr}^{-1}$, with the highest values in the Mediterranean and alpine regions and the lowest in the Nordic countries. The data are available for download:



<http://eusoils.jrc.ec.europa.eu/library/themes/erosion/RainfallErosivity/>

Soil Atlas 2015

The Soil Atlas 2015 report has recently been published by the Institute for Advanced Sustainability Studies (IASS) in Potsdam and JRC has authored a chapter. The Soil Atlas 2015 is an easy-to-read and informative publication that gives clear facts and figures on the global significance and state of land, soil and agriculture, and proposes solutions for the protection of soil resources. The global significance of soils demands global responses.



<http://www.boell.de/en/2015/01/07/soil-atlas-facts-and-figures-about-earth-land-and-fields>

Call for Ideas: Climate Action, Environment, Resource Efficiency and Raw Materials

This call for ideas for pilot/demonstration projects is intended to help identifying which research and innovation areas attract most interest from innovators and to stimulate developers/ providers of innovative solutions to engage in projects of greater ambition in terms of scope, scale and impact. Pilot/demonstration projects are expected to realise and test new technological and non-technological solutions through first-of-a-kind experimental development under real life conditions.



Deadline: 28.2.2015. More information: <http://eusoils.jrc.ec.europa.eu/utilities/calls/>

Conference: Soil sustains life: too slow to form, too quick to lose

An international conference entitled "Soil sustains life: too slow to form, too quick to lose" will be held in 4-7 May 2015 in Tirana, Albania in the context of the International Year of Soil. The topics of the conference include mostly the interaction between natural ecosystem components (soil, water, biodiversity) and socio-economic indicators affecting soil quality, as well as the promotion and enhancement of crop production systems that support sustainable soil management and reduce soil degradation effects. The deadline for abstract submission is **31 January 2015**.



<http://icos.org.al/>

More Details

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

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