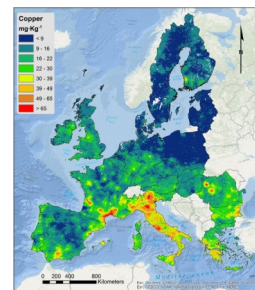


Copper distribution in European Union topsoils

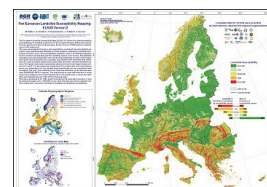
Copper (Cu) distribution in soil is influenced by climatic, geological and pedological factors. Apart from geological sources and industrial pollution, other anthropogenic sources, related to agricultural activity, may increase Cu levels in soils, especially in permanent crops. [In a recent publication](#), we developed a Generalized Linear Model (GLM) using 21,682 soil samples from the LUCAS topsoil survey to investigate copper distribution in the soils of 25 European Union (EU) Member States. Regression analysis shows the importance of topsoil properties, land cover and climate in estimating Cu concentration. A regression model confirms our hypothesis that different agricultural management practices have a relevant influence on Cu concentration. Besides the traditional use of copper as a fungicide for treatments in several permanent crops, the combined effect of soil properties (high pH, soil organic carbon and clay), with humid and wet climatic conditions favours copper accumulation in soils of vineyards and tree crops. The data are available in ESDAC:



<https://esdac.jrc.ec.europa.eu/content/copper-distribution-topsoils>

Update on European Landslide Susceptibility Map version 2 (ELSUS v2)

In addition to the landslide susceptibility map and the related confidence level map previously available (ESDAC Newsletter No 110, March 2018), ancillary datasets prepared for the spatial multi-criteria evaluation model used to produce ELSUS v2, including **climate-physiographic regions, slope angle, lithology, and land cover**, are now available for download from the European Soil Data Centre (ESDAC):



<https://esdac.jrc.ec.europa.eu/content/european-landslide-susceptibility-map-elsus-v2>

International Soil Modeling Consortium (ISMC)

Seven sessions highlight the advances in soil modeling during the ISMC Conference 2018. Nov. 5-7, 2018 at Wageningen University and Research, NL. Among other sessions, we highlight the Soil modelling for the next generation of Earth System Models, Soil organic carbon dynamics modeling, Modeling of soil ecosystem functions, etc. **Abstract submission** is open until 15th June 2018.



<https://soil-modeling.org/ismc-conference/ismc-conference>

Second International Young Scientists Forum on Soil and Water Conservation

This forum will address challenges/actions of soil and water management in the changing world, Climate change and human impacts as a drivers of erosion, sediment dynamics, and river morphology transformation. **Venue:** Moscow, 27-31 August 2018



Trainee on soil erosion modelling

The Land Resources Unit of the Sustainable Resources Directorate (SOIL project) is looking for a highly motivated trainee on soil erosion modelling. In particular, the trainee under the supervision of the Traineeship adviser will contribute to the assessment of soil erosion scenarios based on land use change projections. The assessment will contribute to policy relevant indicators such as soil erosion by water. More opportunities and vacancies in JRC:



<http://recruitment.jrc.ec.europa.eu/>

More Details

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

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