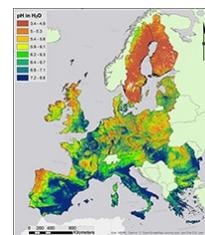


Chemical properties at European scale based on LUCAS topsoil data

A new set of maps of baseline topsoil chemical properties at high resolution (500m) is available for the European Union. This group of datasets contains 8 chemical properties: pH (H₂O), pH (CaCl₂), Cation Exchange Capacity (CEC), Calcium carbonates (CaCO₃), C:N ratio, Nitrogen (N), Phosphorus (P) and Potassium (K) using soil point data from the LUCAS 2009/2012 soil surveys (around 22,000 points) for EU-26 (not included Cyprus and Croatia). The derived maps can be baselines to monitor soil quality and provide guidance to agro-environmental research and policy developments in the European Union. The chemical properties maps for the European Union were produced using Gaussian process regression (GPR) models. The methodology and more details can be found in the relevant [publication](#) in Geoderma. Data are available in ESDAC:



<https://esdac.jrc.ec.europa.eu/content/chemical-properties-european-scale-based-lucas-topsoil-data>

ENSA - JRC Workshop (Amsterdam, 19-20 September 2019)

To support the implementation of the European Soil Partnership, the next joint JRC-European Network on Soil Awareness (ENSA) meeting will take place as part of the "Summer of Soil" in Fruittuin Van West Organic Farm, Amsterdam, during September 19-20, 2019. The conference is open to everyone with an interest in raising awareness of soils as well as other interest groups whose role involves an understanding of specific aspects of soil, for example, planners, teachers, and local authorities. The meeting offers the opportunity for exchanging ideas and experiences in raising soil awareness. [Deadline for registration](#) 13.9.2019



<https://esdac.jrc.ec.europa.eu/networkcooperations/european-network-soil-awareness>

Soil and the SDGs: Challenges and need for action (Brussels, 25 Nov 2019)

Soil and the SDGs conference is organised on behalf of the European Commission (DG ENV), and it is an opportunity for policy makers, public institutions, researchers, industry and civil society to come together to exchange knowledge and practices on the implementation in the EU of soil and land-related SDGs, and particularly the Land Degradation Neutrality target. The conference targets policy-makers, researchers, representatives of NGOs and other stakeholders active in the protection of land and soil. It will provide an opportunity to discuss the challenges of soil and land degradation in the EU and the urgent need for action to implement the Sustainable Development Goals (SDGs).



<https://www.soil-conference.org/>

Glinka World Soil Prize and World Soil Day award

The **Glinka World Soil Prize** is an annual award for dynamic change-makers dedicated to solving one of our world's most pressing environmental issue: soil degradation. A second award dedicated to **World Soil Day** will be given to most exciting World Soil Day event for the campaign 2018 'Be the Solution to Soil Pollution'. Both awards honor individuals, communities or organizations. [Deadline for application](#): 30.9.2019



<http://www.fao.org/world-soil-day/glinka-world-soil-prize/en/>

<http://www.fao.org/world-soil-day/world-soil-day-award/en/>

More Details

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

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