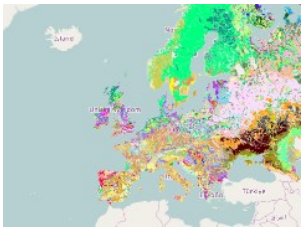
JOINT RESEARCH CENTRE
EUROPEAN SOIL DATA CENTRE (ESDAC)
ESDAC: http://esdac.jrc.ec.europa.eu ESDAC Newsletter No **103** (July-August 2017)

3D Soil Hydraulic Database of Europe at 1 km and 250 m resolution

A consistent spatial soil hydraulic database at 7 soil depths up to 2 m has been calculated for Europe based on SoilGrids250m and various 1 km datasets, and pedotransfer functions trained on the European Hydropedological Data Inventory. Saturated water content, water content at field capacity and wilting point, saturated hydraulic conductivity and Mualem-van Genuchten parameters for the description of the moisture retention, and unsaturated hydraulic conductivity curves have been predicted. The derived 3D soil hydraulic layers can be used for environmental modelling purposes at catchment or continental scale in Europe. It is the only EU provides information on the most frequently required soil hydraulic properties with full European coverage up to 2 m depth at 250 m resolution:

https://esdac.jrc.ec.europa.eu/content/3d-soil-hydraulic-database-europe-1-km-and-250-m-resolution

ESDAC Map Viewer



The ESDAC Map Viewer allows the user to navigate key soil data for Europe. It provides access to the attributes of the European Soil Database and some additional data related to main soil threats as identified in the Soil Thematic Strategy. The ESDAC Map Viewer is developed according to standards (OGC WMS) so that they are interoperable with similar information allowing real-time integration of environmental data from around the world. The Viewer integrates the European Soil Database layers and some other soil layers in one single web-based application. You may navigate and select each of the: 70 layers derived from the European Soil Database and other soil threats layers:

https://esdac.jrc.ec.europa.eu/viewer

Glinka World Soil Prize 2017

The Glinka World Soil Prize honors individuals and organizations whose leadership and activities have contributed, or are still contributing to the promotion of sustainable soil management and the protection of soil resources. The Glinka Prize is a an annual award for dynamic change-makers dedicated to solving one of our world's most pressing environmental issue: **Soil Degradation**. Deadline for applications: 30.9.2017

http://www.fao.org/global-soil-partnership/pillars-action/2-awareness-raising/glinka-world-soil-prize/en/

TERRA ENVISION Conference. Barcelona, 29 January—1 February 2018

TERRA ENVISION

This conference aims to focus on the scientific research towards finding solutions for the societal issues of our time. TERRAENVISION promotes interdisciplinary collaboration and networking. By bringing the people and their knowledge together, we may be able to take the steps towards solutions that can bring our society to a more sustainable situation. In this conference we want to link to International policies such as the sustainable Development Goals, the UN Climate conventions, CAP and COP. Issues proposed for the conference: Climate change, Water Resources, Land degradation and restoration, Erosion processes, Fire in the earth system, Ecosystem services and nature conservation, Science interface: with policy and public. Abstract submission is open.

http://terra-envision.weebly.com/

More Details

Download the ESDAC Newsletter: PDF Format. **Feedback**: panos.panagos@ec.europa.eu

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