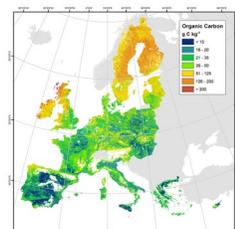


Topsoil organic carbon (LUCAS)

This new map was created by applying digital soil mapping techniques to the first European harmonised geo-referenced topsoil (0–20 cm) database, which arises from the LUCAS survey. Uncertainties of the organic carbon content predictions were estimated through a model to support careful use of the map. It revealed larger uncertainties in northern latitudes, wetlands, moors and heathlands, whereas small uncertainties were found in croplands. Three datasets are made available: Predicted topsoil organic carbon content (g C kg⁻¹), standard error of the OC model predictions (g C kg⁻¹) and measured OC content at the LUCAS points.



<http://eusoils.jrc.ec.europa.eu/library/Themes/SOC/LUCASSOC/>

New Hydraulic Pedotransfer Functions for Europe

Soil hydrological properties have an important role in soil functions. Their predicted values are used in agronomic, environmental and hydrological models, which have wide ranges of analytical and planning applications. Mathematical functions to estimate soil hydraulic parameters from basic soil information, such as soil texture, organic carbon content, bulk density etc. are called pedotransfer functions (PTFs). A series of statistical methods were tested and applied for the development of hydraulic PTFs based on the recently established European Hydropedological Data Inventory (EU-HYDI). The most reliable methods are presented, as a new set of hydraulic PTFs. Data and explanatory information are available for download.



http://eusoils.jrc.ec.europa.eu/library/themes/Hydraulic_PTFs/

Economic and Environmental Aspects of Food Security in Central Asia and Armenia

ECFS launched a call for interested international and Russian researchers: 5 international experts/researchers to visit and collaborate with ECFS on research projects and up to 5 Russian experts/researchers to visit international research institutions to undertake collaborative research work. ECFS invites interested researchers to submit Concept Notes for undertaking collaborative research in the following priority thematic areas: a) Applied economic modeling for food security and b) Digital soil mapping for land assessment and conservation. Deadline: 12.12.2014



European Award for Sustainable Land Use - CULTURA Prize 2015

The Prize, founded in 2007, aims at recognizing and honouring innovative and exemplary scientific achievements in sustainable land use in Europe, particularly findings in agricultural sciences, forest sciences, nature conservation and related fields like hydrology. The prize lays particular emphasis on outstanding scientific achievements which already had or may have a significant impact on land-use systems resulting in improved approaches of sustainable land use. The committee is looking for candidates that outline how scientific achievements have resulted in or may be transferred to new concepts of sustainable land-use management. Deadline 31.12.2014



<http://eusoils.jrc.ec.europa.eu/utilities/calls/>

Open Vacancies: <http://eusoils.jrc.ec.europa.eu/vacancies/>

More Details

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