ANNOUNCEMENTS

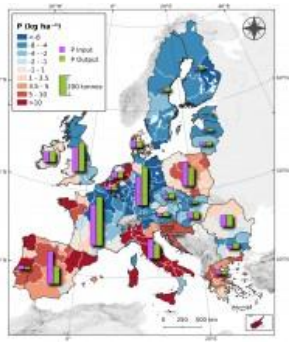
ESDAC Newsletters

Panos Panagos
Joint Research Centre, European Soil Data Centre

ESDAC Newsletter No145 (September, 2022)

JOINT RESEARCH CENTRE
EUROPEAN SOIL DATA CENTRE (ESDAC)
ESDAC: http://esdac.jrc.ec.europa.eu ESDAC Newsletter No **145** (September 2022)

Phosphorus budget and P stocks



We estimate the Phosphorus (P) budget from agricultural lands of EU and UK (ca. 173 million ha). This takes into account the P inputs (fertilizers, manure, chemical weathering, atmospheric deposition) and the P outputs (crop production, plant residues removal, losses by erosion) for the period 2011–2019. The P budget and the P inputs/outputs are available at NUTS2 (Regional scale) and country scale. In addition, we estimate the P displacement and losses due to water erosion at catchment scale and aggregate them at sea outlet. We make also the datasets for both Total P and Available P (Olsen) concentration and stocks available. More details of the empirical model is given in the published study. Data available:

https://esdac.jrc.ec.europa.eu/content/phosphorus-budget-and-p-stocks

Second EUSO Stakeholders Forum, 24-26 October 2022



The 2nd EU Soil Observatory (EUSO) forum will be a 3-days event in October. The first day will deal with "Recent EU policy developments in soil". The second day will discuss the concept of Soil Health Districts, and discuss the EUSO engagement with the Mission "A Soil Deal for Europe". The third day will be dedicated to look at the work done in the EUSO Technical Working Groups. The event is virtual and open to the public; it will also be broadcasted. Interested in an account of what EUSO accomplished during its first year since its start? JRC prepared the EUSO 2021 review report. You can register your participation here: https://ec.europa.eu/eusurvey/runner/EUSOFORUM2022

Find the draft agenda of the Forum.

PREPSOIL project

PREPSOL stands for Preparing for the 'Soil Deal for Europe' Mission". This EU-funded project will support the implementation of the Soil Mission by creating awareness and knowledge on soil needs among stakeholders in regions across Europe. PREPSOIL will widen the understanding of Living Labs as a vehicle for engaging stakeholders in soil improvements in different land use types (agriculture, forestry, urban, etc.). PREPSOIL will create understanding of how different approaches to soil monitoring may support the transition to sustainable land use; it will engage with soil ambassadors and collect information on soil education by establishing a one-stop-shop for soil literacy, communication and engagement as a state-of-the-art web platform. Project website: http://www.prepsoil.eu. JRC will actively participate in all project activities ensuring effective collaboration with EUSO.

https://esdac.jrc.ec.europa.eu/projects/prepsoil

Call for costs of sediments removal



The EUSO Working group on soil erosion addresses the question on the costs of sediments removal. This WG will develop a study on estimating the off-site costs of soil erosion. Therefore, there is a call for data on the costs of removing sediments from dams, ports, rivers, etc. In case you are aware of studies or reports quantifying the costs of removing sediments (or energy revenue costs due to sedimentation), please contact the WG chair: panos.panagos@ec.europa.eu. The overall objective is to have a pan European estimation of sediments removal. The topic will be also addressed during the WG soil erosion session on 26th October 2022.

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

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ESDAC Newsletter No146 (October, 2022)

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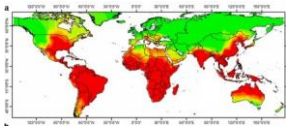


The 2nd EU Soil Observatory (EUSO) forum will run next week and will be a 3-days on-line event. The first day will deal with "**Recent EU policy developments in soil**" including the EU Soil Strategy, the EU Mission "A Soil Deal for Europe", Carbon Farming and Zero Pollution. We also invited high level speakers. The second day will discuss the concept of **Soil Health Districts**, and discuss the EUSO engagement w ith the Mission "**A Soil Deal for Europe**". In addition, we will present the EUSO engagement with the HORIZON (Soil Mission) upcoming projects. The third day will be dedicated to look at the work done in the EUSO **Technical Working Groups**: Monitoring, Data, Pollution, Erosion and Carbon. The event is virtual and open to the public. Interested in an account of what EUSO accomplished during its first year since its start? JRC prepared the EUSO 2021 review report. You can still register your participation here: https://ec.europa.eu/eusurvey/runner/EUSOFORUM2022

Find the latest agenda of the Forum on:

https://esdac.jrc.ec.europa.eu/euso/second-euso-stakeholders-forum

Global assessment of storm disaster-prone areas



Rainfall Erosivity Density (RED) is a measure of rainstorm aggressiveness and a proxy indicator of damaging hydrological events. By using measured Rainfall Erosivity Density (RED) for 3,625 raingauges worldwide and applying kriging methodologies, we could identify the damaging hydrological hazard-prone areas that exceed warning and alert thresholds (1.5 and 3.0 hm^{-2} h^{-1} yr^{-1}, respectively). In this study, we analysed the spatial pattern of hydrological hazard associated with rainfall erosivity with a global-scale visualisation. The results indicated that about 31% and 19% of the world's land area have a greater than 50% probability of exceeding the warning and alert thresholds. Data available:

https://esdac.jrc.ec.europa.eu/content/global-rainfall-erosivity

LANDSUPPORT Decision Support Systems (DSS)



This report from the EU-funder project LANDSUPPORT presents the analysis carried out concerning the LANDSUPPORT DSS's ability to support EU policies when applied at the EU scale. Key EU policies of interest include the 7th Environmental Action Programme; COM 2006/231 Soil Strategy, Dir 2000/60/EC Water Directive; Dir 2007/2/EC INSPIRE Directive. and the land-related targets of the 2030 Sustainable Development Goals (SDGs) in particular, SDGs 2

"Zero Hunger", 3 "good health and well-being", 13 "Climate action", 15, with a special emphasis to the key SDG 15.3.1, "achieving a land degradation-neutral world" (LDN) and climate change (CC) mitigation goals. Download the report:

https://esdac.jrc.ec.europa.eu/public_path/shared_folder/doc_pub/Landsupport.pdf

Land and Soil Management Award



The European Land Owners Organisation (ELO) is going to reward land use and soil management practices mitigating soil threats. You can apply for this award until 15 January 2023. The award is bestowed to the winner every year during the Forum for the Future of Agriculture.

https://www.europeanlandowners.org/awards/soil-land-award

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