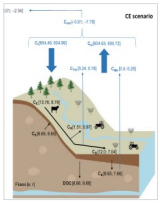
JOINT RESEARCH CENTRE
EUROPEAN SOIL DATA CENTRE (ESDAC)
ESDAC: http://esdac.jrc.ec.europa.eu ESDAC Newsletter No **130** (May 2021)

Global Applications of Soil Erosion Modelling Tracker (GASEMT)

The GASEMT database provides comprehensive insights into the state-of-the-art of soil erosion models and model applications worldwide. This database intends to support the upcoming country -based United Nations global soil-erosion assessment in addition to helping to inform soil erosion research priorities by building a foundation for future targeted, in-depth analyses. GASEMT is an open-source database available to the entire user-community. GASEMT is a result of reviewing 8471 scientific articles, selecting 3030 records and extracting 49 fields relevant to modelling. It is a collective effort of 67 soil-erosion modelers from 25 countries. The database is released together with two research articles: a) A global review of soil erosion models b) A bibliometric analysis.

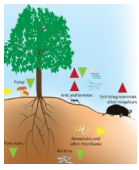
https://esdac.jrc.ec.europa.eu/content/global-applications-soil-erosion-modelling-tracker

Open vacancy at the JRC Soil team: Scientific/Research Development of Soil Organic Carbon Indicators



This position focuses on the development of indicators of soil organic carbon combining the current LUCAS soil monitoring system data in the European Union with **advanced modelling** applications. The candidate will develop **soil organic carbon indicators** to support the Common Agricultural Policy (CAP), the Sustainable Development Goals (SDGs) and the relevance of soil carbon for climate change. The job holder will provide regular reporting at EU scale of soil organic carbon at the indicator system of the EU Soil Observatory. Candidates are expected to lead and contribute to scientific publications and policy briefs. Deadline for applications: **26.4.2021**. https://recruitment.jrc.ec.europa.eu/ (2021-IPR-D3-FGIV-016968).

Open vacancy at the JRC Soil team: Scientific/Research Development of Soil Health Indicators

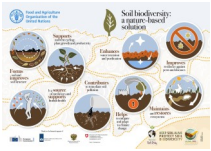


This position focuses on the development of indicators of **soil health** derived from an integrated soil monitoring system for the EU, combining the current LUCAS soil monitoring system of the European Commission and existing national soil monitoring systems in Member States. The job holder will especially develop spatially explicit soil health indicators to support the European Green Deal and the Mission on Soil Health and Food. At least 5 years of job-related research experience on soil functions and ecosystem services are required. Candidates are expected to lead and contribute to scientific publications and policy briefs. Deadline for applications: **30.4.2021**. https://recruitment.jrc.ec.europa.eu/ (2021-IPR-D3-FGIV-017010).

Open vacancy at the Soil team: Understanding the links between SOil pollution and CancEr"

This is an exploratory research position on **soil diffuse pollution** with initial focus on metals (e.g. Cadmium, Arsenic, Zinc, Lead, Nickel), but with a scope to extend to other substance (e.g. plant protection products, industrial chemicals, pesticides). The researcher will be in charge of the spatial mapping of outcomes (including predictive considerations) and contribute to the better understanding of soil-plant uptake of pollutants and development of soil-food flows. Deadline for applications: **14.4.2021**. https://recruitment.jrc.ec.europa.eu/ (2021-IPR-A5001-FGIV-016728).

Global Symposium on Soil Biodiversity



The Global Symposium on Soil Biodiversity (GSOBI21), 'Keep soil alive, protect soil biodiversity' will be a science-policy meeting, fully virtual and will take place from **19-22 April 2021**. The main objective will be to fill critical knowledge gaps and promote discussion among policy makers, food producers, scientists, practitioners and other stakeholders on solutions to live in harmony with nature, and ultimately, achieve the SDGs through the conservation and sustainable use of soil biodiversity.

More Details