

Soil Organic Matter (SOM) fractions for 186 LUCAS-2009 soil samples (grassland, forest)

Land management for C sequestration is most often informed by bulk soil C inventories, without considering the form in which C is stored, its capacity, persistency and N demand. Recent frameworks suggest that soil C accrual, its persistence and response to N availability can be better described if SOM is broadly divided into a Particulate Organic Matter (POM) and a Mineral Associated Organic Matter (MAOM) pool. In the published study, LUCAS was used to determine topsoil C and N storage in European forests and grasslands on 9415 geo-referenced points and separate by size POM (2000-53 µm) and MAOM (<53 µm) in more than 180 subsamples. The methodology and more details can be found in the relevant [publication](#) in Nature Geoscience. Data and R scripts are available in ESDAC:



<https://esdac.jrc.ec.europa.eu/content/soil-organic-matter-som-fractions>

Joint JRC/Vigo University PhD vacancy in "European assessment of soil biodiversity".

Within the CDP framework we are looking for a PhD candidate willing to embrace a multidisciplinary approach by gaining ecological/taxonomical knowledge at the University of Vigo and the modelling/biogeography capabilities within the JRC. The PhD candidate will expand the knowledge on soil genetic diversity beyond soil microorganisms and will interpret findings on soil biodiversity in relation to soil quality, biological habitat formation and ecosystem services. Deadline: 22.11.2019



<https://esdac.jrc.ec.europa.eu/vacancies>

World Soil Day: Stop soil erosion #StopSoilErosion (5 December 2019)

FAO celebrates the World Soil Day and promotes the campaign "Stop soil erosion, Save our future". Get involved in the WSD campaign and join the global effort to fight against erosion on 5 December 2019. More details: <http://www.fao.org/world-soil-day/en/>.



The government of Flanders is pleased to invite you to the international Symposium on Soil Erosion: Connecting Science, Policy and Practice: <https://www.lne.be/symposium-soil-erosion-english>

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

This JRC-European Network on Soil Awareness (ENSA) meeting took place as part of the "Summer of Soil" in Fruittuin Van West Organic Farm, Amsterdam, during September 19-20, 2019. The conference was open to everyone with an interest in raising awareness of soils as well as other interest groups (planners, teachers, and local authorities). Presentations are available:



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

Land and Soil management Award

The prize rewards land use and soil management practices mitigating soil threats i.e. soil degradation, erosion, reduction of organic matter content, diffuse contamination, and compaction as well as the reduction of soil biodiversity, salinization, sealing, flooding and landslides. In doing so, the award sheds light on outstanding achievements, encouraging new concepts of land and soil protection as well as enhancing awareness about the importance of land/soil functions. Deadline: 31.12.19. <https://www.europeanlandowners.org/awards/soil-land-award>



More Details

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

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