

Temporary Dataset Download: Inter- and intra-laboratory replicate measurements of soil organic carbon for LUCAS

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Purpose	Analysing repeated LUCAS topsoil organic carbon measurements to quantify observed SOC change in EU agricultural soils by climate zone and land-use trajectory, and to compare it with IPCC Tier 1 default soil-carbon accounting used in agricultural life cycle assessment and carbon footprints. Results will be published in peer-reviewed journals with proper citation of ESDAC/LUCAS.
Notes	

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References:

Breure, T.S., Jones, A., Panagos. P. 2026. [Evaluation of visible near-infrared spectroscopy in context of a repeated sampling survey across the European Union](https://doi.org/10.1016/j.geoderma.2025.117647). Geoderma, 465: 117647, <https://doi.org/10.1016/j.geoderma.2025.117647>

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