

SOIL Action Newsletter - European Soil Portal:

<http://eusoils.jrc.ec.europa.eu> Volume 9, September 2009

[SoCo: Sustainable Agriculture and Soil Conservation](#)

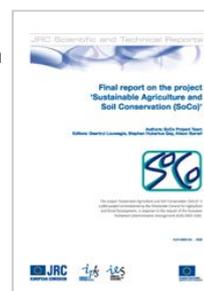
The European Parliament has requested the European Commission to carry out a study on Sustainable Agriculture and Soil Conservation. The project has started in 2007 and is finalized in 2009. The user may find information about: - Objectives - Methodology of the project - Case Studies - Results - Workshops - Team - Fact Sheets.



<http://eusoils.jrc.ec.europa.eu/projects/SOCO/>

[Final report on the project '\(SoCo\)' Project](#)

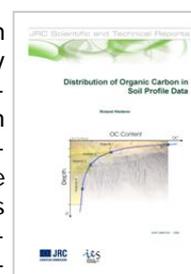
This report synthesises the findings of the SoCo project and translates them into conclusions and recommendations. Following the introduction (Chapter 1), Chapter 2 reviews soil degradation processes, soil conservation practices and policy measures at European level. Chapter 3 takes the analysis to the local scale by means of ten case studies distributed over three macro-regions. Aggregated environmental benefits of adopting particular soil conservation practices are explored with model calculations in Chapter 4. Finally, Chapter 5 discusses the effectiveness and efficiency of instruments for soil protection, maintenance and improvement in Europe. The report closes with policy-relevant conclusions as a basis for policy recommendations.



http://eusoils.jrc.ec.europa.eu/ESDB_Archive/eusoils_docs/other/EUR23820.pdf

[Distribution of Organic Carbon in Soil Profile Data](#)

Soil organic carbon (SOC) content has been estimated at pan-European scale for the soil layer from 0 to a depth of 30 cm. The methodology used to generate the data layer relied on a combination of a pedo-transfer rule (PTR) and pedo-transfer functions (PTF). The PTR has been developed based on PTR No. 21 of the PTR database of the Soil Geographic Database of Eurasia (SGDBE). The original conditions of the rule system have been revised and amended to accommodate organic soils and peat. The revised PTR for topsoil SOC content comprises 120 ordered conditions of combinations of 5 soil and environmental parameters with an output to one of 6 classes of SOC content.



http://eusoils.jrc.ec.europa.eu/ESDB_Archive/eusoils_docs/other/EUR23980.pdf

[Soil Erosion Country Grids](#)

For each country, a Shape file has been created that contains data copied from the Pan-European Erosion Risk (PESERA) map. The Soil Erosion data are in 1km x 1km Grid cell and are expressed in ton/ha/year. Soil Action has sent out to EIONET countries a request for feedback on a proposal for a technical guideline for the collection of soil Organic Carbon and erosion data. These are the data that JRC, on request of EEA and DG ENV, will update in the near future with contributions from each EIONET country

<http://eusoils.jrc.ec.europa.eu/library/data/eionet/CountryGrids.cfm>

Newsletter Spotlight

[Post Doc Vacancy in SOIL Action](#): "Development of Up-scaling methods to Assess European Soil Threats". The envisaged work will perform the development of a hierarchical meta-model for up-scaling soil data from plot scale to local scale and moreover to Regional and European Scale.

[More Details](#)

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