



SOIL Action Newsletter - European Soil Portal:

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

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[Addressing soil degradation in EU agriculture: relevant processes, practices and policies.](#)

Report on the project '**Sustainable Agriculture and Soil Conservation (SoCo)**' Agriculture occupies a substantial proportion of the European land, and consequently plays an important role in maintaining natural resources and cultural landscapes, a precondition for other human activities in rural areas. Unsustainable farming practices and land use, including mismanaged intensification as well as land abandonment, have an adverse impact on natural resources. Having recognised the environmental challenges of agricultural land use, the European Parliament requested the European Commission in 2007 to carry out a pilot project on 'Sustainable Agriculture and Soil Conservation through simplified cultivation techniques' (SoCo). The project originated from a close cooperation between the Directorate-General for Agriculture and Rural Development (DG AGRI) and the Joint Research Centre (JRC).



http://eusoils.jrc.ec.europa.eu/ESDB_Archive/eusoils_docs/other/EUR23767_Final.pdf

[Precompression stress \(Soil Compaction\)](#)

In collaboration with Christian-Albrechts-University zu Kiel, Institute of Plant Nutrition and Soil Science (Germany), JRC publishes some information and maps related to Precompression stress. The pre-compression stress as a factor to assess the mechanical stability of soils is predictable by using pedotransfer functions. As Pre-compression Stress (Pc) is defined as the maximum major principal stress that a soil horizon (and in the sum the whole profile, respectively) can withstand against any applied external vertical stress, the quantification of this Pc value as the precaution value is the first step within this concept for the given site, in order to avoid subsoil compaction and, respectively, impacts on soil functions in



<http://eusoils.jrc.ec.europa.eu/library/themes/compaction/Precompression.html>

[Soil Protection Activities and Soil Quality Monitoring in South Eastern Europe.](#)

Soil Protection Activities and Soil Quality Monitoring in South Eastern Europe. The Conference corresponds with the 60th anniversary work of Dr. Husnija Resulovic, Prof. Emeritus. June 18 - 19, 2009, SARAJEVO, BOSNIA and HERZEGOVINA.

Western Balkans region is characterized by the extreme diversity of geomorphological conditions. Additionally to geology and relief Alpine, Continental and Mediterranean climates are significantly directing the soil formation processes. The Western Balkans region are facing the same threats as in other parts of European continent.

http://eusoils.jrc.ec.europa.eu/ESDB_Archive/eusoils_docs/Conf/SoilSocietyBH.pdf

Newsletter Spotlight

LUCAS SOIL: Progress 41% of Soil Samples have been stored in the European Soil Archive Facility. The on line applications shows the number of soil samples logged on arrival at our 'soil drying facility' in the JRC.

[More Details](#)

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