

## SOIL Action Newsletter - European Soil Portal:

<http://eusoils.jrc.ec.europa.eu> Volume 16, April 2010

### Data Update and Model Revision for Soil Profile Analytical Database of Europe of Measured Parameters (SPADE/M2)

The Soil Profile Analytical Database of Europe of Measured parameters (SPADE/M) is part of the distribution package of the Soil Geographic Database of Eurasia (SGDBE). Typical combinations of profile parameters and morphological characteristics of the sample site were intended to support the definition of generalized rules for estimating pedological and hydrological properties of the pedo-transfer rule (PTR) database of the SGDBE. In 2005 the data of the SGDBE were transferred to a common data storage structure. In 2008 original hard-copies on profile measurements were re-discovered at the National Soil Resources Institute, Cranfield University (NSRI). To make the original data more generally available the profiles were added to the existing database. This step required changes to the structure of the database and a validation of the all entries for accurate and reliable data storage and retrieval. The database will be available soon...



[http://eusoils.jrc.ec.europa.eu/ESDB\\_Archive/eusoils\\_docs/other/EUR24333.pdf](http://eusoils.jrc.ec.europa.eu/ESDB_Archive/eusoils_docs/other/EUR24333.pdf)

### 10 New Publications in Peer review Journals

10 publications in various peer review journals (Science, Geoderma, European Journal of Soil Science, Soil Use and Management, Soil Biology and Biochemistry, Earth-Science Reviews, Journal of Environmental Monitoring, Landslides - Disaster Risk Reduction, Environmental Geology, Eurasian Soil Science, Applied and Environmental Soil Science Volume, etc):

- Soil Biodiversity Monitoring in Europe: Ongoing Activities and Challenges.
- Data Management for Monitoring Forest Soils in Europe for the Biosoil Project.
- Tolerable Versus Actual Soil Erosion Rates in Europe.
- The spectral quality of light influences the temporal development of the microbial phenotype at the arable soil surface.
- Digital Soil Map of the World. ....



[http://eusoils.jrc.ec.europa.eu/ESDB\\_Archive/eusoils\\_docs/doc\\_pub.html](http://eusoils.jrc.ec.europa.eu/ESDB_Archive/eusoils_docs/doc_pub.html)

### Case Study - Italy, Sustainable Agriculture and Soil Conservation (SoCo)

Ten case studies were carried out in 10 EU countries between spring and summer 2008. The selection of case study areas was designed to capture differences in soil degradation processes, soil types, climatic conditions, farm structures and farming practices, institutional settings and policy priorities. A harmonised methodological approach was pursued in order to gather insights from a range of contrasting conditions over a geographically diverse area. The case studies were carried out by local experts to reflect the specificities of the selected case studies.



[http://eusoils.jrc.ec.europa.eu/ESDB\\_Archive/eusoils\\_docs/other/EUR24131.pdf](http://eusoils.jrc.ec.europa.eu/ESDB_Archive/eusoils_docs/other/EUR24131.pdf)

### Newsletter Spotlight

#### **Maps:** A series of Maps and Atlases available for the public user

ATLAS: Soil Atlas of Europe, Soil Atlas of the Northern Circumpolar Region, Soil Atlas of Africa, Atlas of Soil Biodiversity....

- Soil Threats Maps: Pan European Soil Erosion Risk Assessment, Topsoil Organic Carbon Content (%), Natural susceptibility to compaction, Saline and Sodic Soils in European Union, ph in Europe

<http://eusoils.jrc.ec.europa.eu/library/maps/maps.html>



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