



## SOIL Action Newsletter - European Soil Portal: <http://eusoils.jrc.ec.europa.eu>

Volume 6, June 2009

### Climate change: soil can make a difference!

Climate is a principle factor of soil development. Climate drives major soil-forming processes including transformation, accumulation and transport of substances that result in the diversity of soil types on the Earth. The change of climate alters all processes in soil which may have serious consequences for the both environment and society. Therefore, climate-soil relationship is one of the priority topics in soil science. Conference on 'Climate change - can soil make a difference?' , 12th June 2008 , Brussels.



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

### Development of a Spatial European Soil Property Data Set

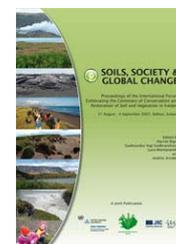
For many applications of modelling environmental conditions or developing scenarios for environmental change analysis soil property data in form of spatial layers are needed. Raster data formats are widely used for the modelling of movements through space and the storage of parameters, which change constantly and without a pattern that could be described by a plain mathematical function. This study into providing spatial soil property layers uses a soil database where the soil properties are stored in tables of generalized combinations of attributes and linked to a spatial layer of delineated mapping units.



[http://eusoils.jrc.ec.europa.eu/ESDB\\_Archive/eusoils\\_docs/other/EUR23839.pdf](http://eusoils.jrc.ec.europa.eu/ESDB_Archive/eusoils_docs/other/EUR23839.pdf)

### Soils, Society & Global Change

This book highlights how our ability to manage soils plays an important role in global challenges such as climate change, biodiversity reduction, food and water security, and economic and social progress. It explores policy and legal challenges, knowledge management issues, and the crucial role of soil in the successful implementation of the global environmental conventions. The book concludes with the Programme for Action which includes a number of proactive recommendations on how global policies can be improved to protect soil as a resource.



[http://eusoils.jrc.ec.europa.eu/ESDB\\_Archive/eusoils\\_docs/other/EUR23784.pdf](http://eusoils.jrc.ec.europa.eu/ESDB_Archive/eusoils_docs/other/EUR23784.pdf)

### Call for Tender (central laboratory services for soil analysis)

Service Provision for technical support in the LUCAS study, provision of central laboratory services for soil analysis. 20000 points will be selected on which soil samples will be taken. Soil samples, weighting about 0.5 kg each, will then be dispatched to the laboratory selected in answer to the present ITT for carrying out physical/chemical analyses.

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

### New presentations in Events, Conferences

During members of the JRC / SOIL Action presented in various events. Find attached 7 Presentations in the following link: <http://eusoils.jrc.ec.europa.eu/events/>

### Newsletter Spotlight

[http://eusoils.jrc.ec.europa.eu/events/future\\_events/DSM2010.pdf](http://eusoils.jrc.ec.europa.eu/events/future_events/DSM2010.pdf) 4th Global Workshop on Digital Soil Mapping (From Digital Soil Mapping to Digital Soil Assessment: identifying key gaps from fields to continents)

[More Details](#)

Download the Newsletter: [PDF Format](#) or [HTML Format](#).

Questions or Comments? E-mail us at [panos.panagos@jrc.it](mailto:panos.panagos@jrc.it) , [marc.van-liedekerke@jrc.it](mailto:marc.van-liedekerke@jrc.it) or call us 0039-0332-785574, 0039-0332-785179