

## SOIL Action Newsletter - European Soil Portal:

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

Volume 15, March 2010

### Soil pH in Europe

The JRC created a quantitative map of estimated soil pH values across Europe from a compilation of 12,333 soil pH measurements from 11 different sources, and using a geo-statistical framework based on Regression-Kriging. The map can be downloaded as a graphical file or as data. Its spatial coverage is 25 Member States of the European Union, Norway, Switzerland, Croatia, Albania.

The data are available as a raster (ESRI GRID), in the ETRS89 Lambert Azimuthal Equal Area Co-ordinate System; Temporal coverage: 2009.



<http://eusoils.jrc.ec.europa.eu/library/data/ph/>

### Integration of the Soil Database of Turkey into European Soil Database

In order to extend the Soil Geographical Database to the countries of Mediterranean Basin, the implementation of soil geographical database of Turkey at 1:1 million scale was done. In the current report, you will be informed about the preparation of soil database of Turkey compatible with European database and how the Turkish soil data have been integrated the European Soil Database. A number of attributes have been transformed from local/national soil datasets while some attributes have been obtained from auxiliary datasets using remote sensing and GIS Techniques.



[http://eusoils.jrc.ec.europa.eu/ESDB\\_Archive/eusoils\\_docs/other/EUR24295.pdf](http://eusoils.jrc.ec.europa.eu/ESDB_Archive/eusoils_docs/other/EUR24295.pdf)

### SCAPE: The way ahead

SCAPE project (Soil Conservation and Protection for Europe) has given scientists the opportunity to discuss soil conservation and protection strategies in an informal way with people who are either responsible for finding solutions, or being affected by them. Several hundreds of people have contributed to this book, either collectively or individually. They include the scientists, soil conservation and protection practitioners and stakeholders.



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

### Soil biodiversity: functions, threats and tools for policy makers

Did you know that every year soil organisms process an amount of organic matter equivalent in weight to 25 cars on a surface area as big as a soccer field? Or that one hectare of soil can contain the equivalent in weight of two cows of bacteria? Or that some fungi are extremely big and can reach a length of several hundred metres? If you are interested in all that, plus the relationship between worms and erosion, microbes and clean water, you will find a wealth of information in the report Soil biodiversity.

<http://ec.europa.eu/environment/soil/biodiversity.htm>

### Newsletter Spotlight

#### Land Quality and Land Use Information in the EU - Conference

Following recent scientific and policy developments, land quality is now regarded as an integrated measure of different aspects of land ecosystem services. A conference is planned for May 2011 to facilitate the exchange of information and views among stakeholders involved in different aspects of land quality management; be it research, policy planning, soil management or conservation.

<http://landq2011.uni-pannon.hu/>

[More Details](#)

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

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