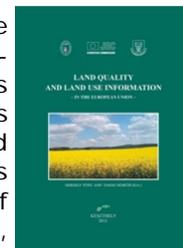


## SOIL Action Newsletter - European Soil Portal: <http://eusoils.jrc.ec.europa.eu>

No 32 (August 2011)

### Land Quality and Land Use Information in the European Union

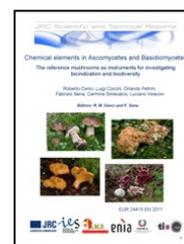
This monograph contains a selection of scientific papers presented on the conference on Land Quality and Land Use Information in the European Union, held in Keszthely, Hungary. It covers topics related to various aspects of land quality including: concepts of assessment; evaluation of biomass productivity; bio-indicators of land quality; quality assessment of degraded land; land use related data processing; INSPIRE; and the economic aspects of land quality. The aim of the conference was to facilitate the exchange of information and views among stakeholders involved in land management, land resources research and land use policy planning. This exchange of information contributes to an enhanced understanding on the role of land quality in rural systems and to progress the development of land information, land registries, land use planning and related services based on land quality on different levels; from farm to continental scales in Europe.



[http://eusoils.jrc.ec.europa.eu/ESDB\\_Archive/eusoils\\_docs/other/EUR24590.pdf](http://eusoils.jrc.ec.europa.eu/ESDB_Archive/eusoils_docs/other/EUR24590.pdf)

### Chemical elements in Ascomycetes and Basidiomycetes

The reference mushrooms as instruments for investigating bio-indication and biodiversity. Fungi in the wild are among the principal agents in biogeochemical cycles; those cycles of matter and energy which enable ecosystems to work. By investigating the biodiversity of Italian fungal species and concentration levels of chemical elements in them, it may be possible to employ these fungi as biological indicators for the quality of forest, woodland and semi-natural environments. The data archives of this report record the dry-material concentrations, of 35 chemical elements, including heavy metals, in over 9000 samples of higher mushrooms. These samples represent around 200 genera and a thousand species. The sheer volume of the collected data may prove to be useful as a comparison for data collected in the future; such results would also allow a better and more-exhaustive interpretation of the effects of environmental-protection laws which have been enacted over the years in order to reduce or remedy current climate-change phenomena and the environmental damage caused by human activity.



[http://eusoils.jrc.ec.europa.eu/ESDB\\_Archive/eusoils\\_docs/other/EUR24415EN.pdf](http://eusoils.jrc.ec.europa.eu/ESDB_Archive/eusoils_docs/other/EUR24415EN.pdf)

### Technical maturity of the DIGISOIL output relatively to user needs

This deliverable of the Digisoil project, D4.2, is looking at the usefulness of the concept and the approach of the project in relation to its receivers. With a focus on the end-user needs, the technical maturity of the output are analyzed. To assess the procedures as reported the technical readiness level method has been applied. It indicates that a geo-physical "multi-functional" tool as suggested by DIGISOIL has a lot of potential in contributing to the soil information database.

<http://eusoils.jrc.ec.europa.eu/projects/Digisoil/Documents/Digisoil%20-%20D4.2.pdf>

### Newsletter Spotlight

#### 2nd Meeting of the European Network on Soil Awareness (ENSA)

The 2nd meeting of ENSA aims at connecting municipalities, teachers, planners and soil experts to exchange knowledge and enforce soil awareness raising activities in Europe. The ENSA-meeting will be held in the City of Tulln, close to Vienna, Austria from 13th to 14th of October 2011. For more information about the conference, venue and ONLINE-Registration, please visit the ENSA website <http://www.eu-ensa.org>.

[http://eusoils.jrc.ec.europa.eu/events/Future\\_events/ENSA2011.pdf](http://eusoils.jrc.ec.europa.eu/events/Future_events/ENSA2011.pdf)

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