The European Soil Portal: Networking Soil Information in Europe

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Raster archive 10km x 10km

The European Soil Database Raster Archive contains raster (grid) data files with cell sizes of 10km x 10km for a large number of soil related parameters. Each grid is aligned with the INSPIRE reference grid recommended in the 1st Workshop on European Reference Grids. These rasters are in the public domain and allow expert users to use the data for instance to run soil, water and air related models. The 10km x 10km grids fit with ideas from INSPIRE to develop "nested" systems for reporting and updating European soil data at different scales, according to a hierarchy of grids with a common point of origin.

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Uploading European soil data at different scales, according to a hierarchy of grids with a common point of origin.

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Eurasian Soil Database Map Archive

Based on the attributes which are present in the Soil Geographical Database of Europe at scale 1:1,000,000, a number of Stata maps (PDF Format, A3 length) have been created which allow the user to have an overview of the distribution of soil characteristics in a spatial way.


Documents Repository

The European Soil Bureau Research Reports and Other Research Reports and Papers is the electronic library (Soil Documents Repository) of the Soil portal. The European Soil Bureau research reports reflect the research work and the scientific studies being carried out in the network.


Soil erosion

Estimates (theory) by applying the PEBERA GRID model at 1km, using the European Soil Database, CORINE land cover, climate data.

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Projects

Soil Atlas of Europe

Based on soil data and information collected within the European Soil Information System (ESIS) developed by the Joint Research Centre, the atlas illustrates in 128 pages of maps, tables, figures and graphs, the richness of European soil resources. Register your order!


Themes

Soil Themes: The Soil Portal has exploited in depth some soil themes for which studies, maps, documentation and services have been produced.


Applications

SOMIS (Soil Map Internet Server): Standalone web-based application for the navigation of soil related maps:

- Dynamic Internet application to European Soil Database.
- Presentation of all attributes (73) as map layers, grouped in 14 categories.
- Dimensionally Extended Tree Menus (on the right side) in order to load the 73 different Layers.
- Interactive Map operations: Zooming, Panning, Querying, Layering, Identify, Map operations: Zooming, Panning, Querying, Layering, Identify, Select features, Advanced printing.
- User can view, navigate & inspect soil data but cannot download.
- User friendly application like a GIS Tool – No need for specific S/W (only web browser).
- Interactive: Interactive Map operations: Zooming, Panning, Querying, Layering, Identify, Select features, Advanced printing.