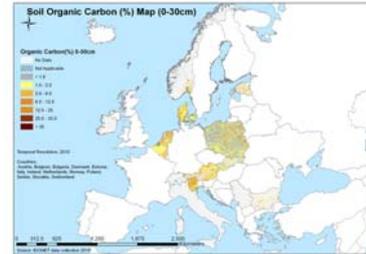


European Soil Portal: <http://eusoils.jrc.ec.europa.eu>

### **EIONET Data Collection 2010 (Soil Organic Carbon)**

In 2010, the European Soil Data Centre (ESDAC) conducted a project to collect data on Soil Organic Carbon (SOC) and soil erosion in Europe using the European Environment Information and Observation Network for soil (EIONET-SOIL). The data submitted by participating countries are their best estimate and represent an official point of view. The technical approach taken allows a country to easily update the records when new data become available. Regarding SOC, the cell values had to express the OC density (t ha<sup>-1</sup>) in the soil for the depth range of 0-30cm (including the organic H horizons) and the gravimetric SOC content (in %) in the cell for the same depth range. The EIONET data providers were also requested to include explicit meta-data that would allow the correct interpretation of the cell values. The results of the SOC analysis are presented in the Soil Portal.



<http://eusoils.jrc.ec.europa.eu/library/data/eionet/DataCollection.htm>

### **Will there be enough plant nutrients to feed a world of 9 billion in 2050?**

It is the central question addressed by a JRC study. This exercise was based on consultations with experts and a thematic workshop focused on three areas of interest: 1) the demand for fertilizers to sustain crop production necessary to feed the world in 2050; 2) perspectives on the supply of Nitrogen (N), Phosphorus (P) and Potassium (K) to world agriculture and 3) the role of innovation and technology in changing the match between demand and supply of fertilizers. Implications of the main findings for current EU and international policies were addressed. "There is no specific reason to be alarmed about the overall supply of N, P, K for the world's agriculture but because of changing conditions in production, demand and use, continuous vigilance is called for."



[http://eusoils.jrc.ec.europa.eu/ESDB\\_Archive/eusoils\\_docs/other/EUR25327.pdf](http://eusoils.jrc.ec.europa.eu/ESDB_Archive/eusoils_docs/other/EUR25327.pdf)

### **Call for Proposals (Remote sensing, Downstream services)**

The current Space Call (9.1 Space-based applications at the service of European Society) is interesting for the Soil community and Remote sensing in two specific activities:

- SPA.2013.1.1-06: Stimulating development of downstream services and service evolution (GMES downstream service): Projects should be strongly user driven and take into account user needs concerning information and services, quality specifications, and orient themselves along existing guidelines established in previous GMES projects and by advisory bodies at EU level. Targeted activities: "**Agriculture and agri-environment, crop monitoring, precision farming**" and "**Soil organic carbon monitoring**".
  - SPA.2013.1.1-07: Remote sensing methods: hyper-spectral information, Soil spectral libraries, key soil properties (e.g. carbon and clay content), hyper spectral remote sensing products for the extraction of topsoil properties.
- Deadline:** 21/11/2012



**Land and Soil Management Award 2012/13:** Reminder for applications

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

### **Soil Carbon Sequestration: for Climate, Food Security and Ecosystem Services**

The conference will review the state of science, identify tools for enhancing Soil Organic Carbon (SOC) sequestration and recommend means to bridge the gap between science, policy and action. Among topics to be discussed are land use and land restoration practices that enhance SOC, how to verify carbon sequestration and linkages with UN-FCCC and post-Kyoto goals, agreements, and negotiations. The question of how to increase flow of climate linked funding for restoration of soil and land quality will also be explored.

Venue: Reykjavík, Iceland during 26-29 May 2013.

[More Details](#)

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