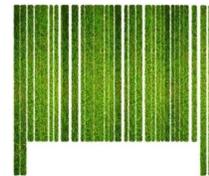


Using DNA barcodes for soil biodiversity assessment

JRC scientists published a joint study on the use of metabarcoding to characterise soil biodiversity. The published paper presents the opportunities and challenges of this relatively new methodology, and proposes solutions to facilitate its common application. Metabarcoding is a molecular approach based on the assumption that Operational Taxonomic Units can be unequivocally identified through a specific sequence of DNA (barcode). The ability to extract and store soil DNA for prolonged periods of time provides a unique opportunity to assess the evolution of soil biodiversity over time in relation to global change, and to develop concrete measures to preserve these features.



<http://eusoils.jrc.ec.europa.eu/library/themes/biodiversity/DNA.html>

RECARE: Preventing and Remediating degradation of soils in Europe through Land Care

Soils are currently under increasing threat from a wide range of processes, such as soil erosion, compaction, desertification, sealing, contamination and others. The EU FP7-funded RECARE project has brought together a transdisciplinary team of 27 different organisations across Europe to find ways of assessing the current threats to soils and to develop, with stakeholders in 17 case studies, effective prevention, remediation and restoration measures. To sign up to RECARE newsletters: <http://recare-hub.eu/newsletter>. The first RECARE newsletter is now available for download. <http://recare-project.eu/downloads-by-category/newsletters/264-newsletter-1-15-december-2014/file>



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

Spring school on mapping and assessment of soils

From 18 to 22 May 2015, ISRIC - World Soil Information will organise a Spring School on digital soil mapping, soil assessment and classification for soil and environmental scientists, students, soil experts and professionals in natural resources management. This spring school is a contribution to the Global Soil Partnership implementation. The Spring School will take place on the Wageningen Campus in the Netherlands and will consist of two five-day courses that are run in parallel.



For more information and registration: <http://www.isric.org/content/isric-spring-school-2015>.

European Geosciences Union General Assembly 2015 (Vienna, 12-17 April 2015)

JRC soil team members will present or be Conveners in the soil relevant sessions:

- Effects, consequences and control of soil wind erosion
- Large-Scale Mapping, Monitoring and Modelling of Soil Erosion with Earth Observation
- Large scale Digital Soil mapping: Challenges, opportunities in delivering high-resolution soil information
- Geostatistics for space-time analysis of hydrological events and environmental problems
- Potential of traditional & modern agricultural practices for erosion mitigation under the global change perspective
- Effects of land use changes on off-site damages by soil erosion

The deadline for abstract submission is **7 January 2015**.

<http://meetingorganizer.copernicus.org/EGU2015/sessionprogramme>



More Details

Download the Newsletter: [PDF Format](#) or [HTML Format](#). **Feedback:** panos.panagos@jrc.ec.europa.eu

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