



Version Française

Newsletter #5 (winter 2017)

pdf format

Welcome to the [LANDMARK project](#) newsletter, bringing you highlights of activities since the launch in May 2015. Please feel free to forward it.

[PAPER] [Bridging the Think-Do-Gap using a multi-stakeholder science policy interface](#)

Functional Land Management is proposed as an integrator for sustainability policies and assesses the functional capacity of the soil and land to deliver primary productivity, water purification and regulation, carbon cycling and storage, habitat for biodiversity and recycling of nutrients. This paper presents the catchment challenge as a method to bridge the gap between science, stakeholders and policy for the effective management of soils to deliver these functions..

Open access on <https://link.springer.com/article/10.1007/s13280-017-0983-x>



[PAPER] [Gap assessment in current soil monitoring networks across Europe for measuring soil functions](#)

Soil monitoring is needed to support evidence-based policies to incentivize sustainable soil management. To this aim, we assessed which soil attributes can be used as potential indicators of five soil functions. We compared this list of attributes to existing national (regional) and EU-wide soil monitoring networks. The overall picture highlighted a clearly unbalanced dataset, in which predominantly chemical soil parameters were included, and soil biological and physical attributes were severely under represented..

Open access on <http://iopscience.iop.org/article/10.1088/1748-9326/aa9c5c/meta>

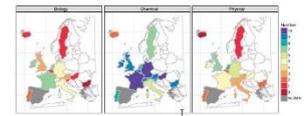


Figure 6. Number of soil attributes assessed within each category (biological, chemical, physical) for the different countries.

[2017 EU Agricultural Outlook conference](#)

Past 18th of December 2017 our project coordinator Rachel Creamer (WUR) joined the discussion at the EU Agricultural Outlook conference in Bruxelles and gave a [presentation](#) from a LANDMARK perspective. Focus of the discussion was the future of agriculture in Europe and the challenges which lie ahead.

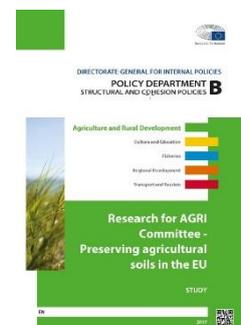
Info and agenda https://ec.europa.eu/info/events/2017-eu-agricultural-outlook-conference_en and Presentation [here](#)



[Preserving agricultural soils in the EU report](#)

A research study requested by European Parliament's Committee on Agriculture and Rural Development have been co-authored by Jaap Schroder (WUR). This [study](#) explains how threats to soils and soil services are linked to agricultural soil management, how threats can be mitigated, and which barriers complicate this. It highlights trade-offs and synergies that exist between different interests affected by soil management, such as climate change mitigation, water and air quality, biodiversity, food security and farm income..

Download [http://www.europarl.europa.eu/RegData/etudes/STUD/2017/601973/IPOL_STU\(2017\)601973_EN.pdf](http://www.europarl.europa.eu/RegData/etudes/STUD/2017/601973/IPOL_STU(2017)601973_EN.pdf) the report



[EIP -AGRI Organic is Operational report](#)

Past June 2016 LANDMARK participated to the [EIP-AGRI workshop 'Organic is Operational'](#) held in Hamburg. Many organic Operational Groups, organic farmers, researchers, advisory services attended this workshop. Through a short interview and an exhibition we exposed the participants to the LANDMARK project, the concept of soil functions, functional land management and the soil navigator.

Download the report, presentations & material <http://eip-agri.us7.list-manage.com/track/click?u=c40406f3cb81288b4051d5632&id=27127318f7&e=5288be15b5>



[LANDMARK session at INSPIRATION Final conference](#)

In the contest of the [World Soil Day 2017](#) the INSPIRATION H2020 consortium organized in collaboration with the DG Environment service contract Soils4EU a FINAL CONFERENCE in Bruxelles, Belgium on the 04-06th of December 2017. On the 6th December our LANDMARK team organized a parallel session on [Soil management, monitoring and understanding the supply and demand of soil functions at European scale](#).

More info <http://landmark2020.eu/meeting/inspiration-h2020-world-soil-day-2017-landmark-session/>



[Our WAGENINGEN SOIL CONFERENCE 2017 contributions](#)

The LANDMARK team actively participated to the conference [Soil Science in a Changing World](#) in Wageningen University, The Netherlands past August. We discussed our LANDMARK novel insights in applied soil science, identified further actions for soil-based solutions that help achieving the UN Sustainable Development Goals, and showed possible narratives on soil-based solutions that are convincing to policy makers and other stakeholders. [Look](#) what Rachel Creamer (WUR), David Wall (TEAGASC), Taru Sanden (AGES), Francesca Bampa (WUR) and Lilian O'Sullivan (TEAGASC) presented.

Info and presentations <http://landmark2020.eu/meeting/wageningen-soil-conference-2017/> short twitter video <https://twitter.com/WUR/status/902897210047823873>



[Soil for sustainable food production and ecosystem services conference EU2017EE](#)

In the contest of the Estonian presidency of the Council, the Agriculture and Fisheries Council organized past October a conference in Tallinn, ESTONIA to draw further attention to soil protection. Prof Rogier Schulte (WUR) presented on [Functional land management and carbon sequestration - balancing the competition for land](#) in a satellite meeting of the conference while Prof Peter de Ruiter (WUR) presented on [Soil information – global and regional examples](#)

More info and presentation <http://eusoiils.jrc.ec.europa.eu/networkcooperations/facce-jpi>



[European Network of Soil Awareness 2017](#)

The network established a Working Group on "Soil Awareness and Education". The main objective is to work on an action plan for the development of measures / programmes / initiatives to raise awareness of the importance of soil across European society. The group met in Bratislava past September and Dr Francesca Bampa (WUR) presented [the activities of the LANDMARK project on stakeholder engagement](#). The [outcomes of this meeting](#) have been presented by Gabriele Broll (Osnabrück University) at the above EU2017EE conference in Estonia.

More info and presentations here <https://esdac.jrc.ec.europa.eu/networkcooperations/european-network-soil-awareness>



[From grasslands to Parmigiano cheese – Roundtable 6](#)

The LANDMARK consortium met to discuss the past and future six months together with our Stakeholder Steering Committee in Parma, Italy past October. The University of Parma team in collaboration with Emilia-Romagna Region, ITER, EFSA, Consorzio Parmigiano Reggiano La Culla organized a field trip in Scalabrini farm and Carcarena farm visiting permanent grasslands, analysing the microbial diversity and soil fauna and ending in a Parmesan cheese Consortium.

Check our video <https://t.co/6GC5zPMkJ2>



[Click our INTERACTIVE ONLINE GLOSSARY](#)

The Landmark [Glossary](#) is interactive and public available online, click and discover our definitions of soil functions, functional management, our specific sections on Farms typology, Management practices and the soil processes. You don't fully agree with the definition? Please use the comment option.

Glossary <http://landmark2020.eu/landmark-glossary/>



[HAPPY WINTER BREAK and see you in EGU 2018!](#)

The [LANDMARK team](#) is looking forward [collaborating](#) and [engaging](#) with you after the winter break at the [EGU general assembly](#)

[5 good reason to come in Vienna at EGU 2018](#)

[What's next?](#)

- [EGU general Assembly](#), Vienna, Austria next 8-13th April 2018
- [RoundTable 7](#), AGES offices, Vienna, Austria next 22-24th May 2018
- [III Ecology of Soil Microorganisms conference 2018 – Digging deeper](#) Helsinki, Finland next 17-21st June 2018
- [WORLD CONGRESS OF SOIL SCIENCE, Soils to feed and fuel the world](#), Rio de Janeiro, Brazil next 12-17th August 2018
- [RoundTable 8](#), UCPH, Copenhagen, Denmark next 10-12th October 2018

[LANDMARK attended also](#)

[CLIMATE ACTION IN AGRICULTURE AND FORESTRY](#) Bruxelles | [Bioeconomy manifesto workshop](#) Bruxelles | [Infoweek H2020 Societal Challenge 2](#) Bruxelles | [InfoDay Societal Challenge 2 FAB flagship initiative](#) China | [Annual Congress on Soil Sciences 2017](#) Madrid | [BES 2017 Annual meeting](#) Ghent |

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