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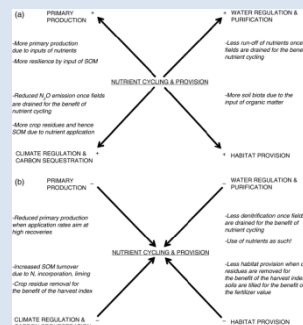
Newsletter #3 (December 2016)

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

[\[PAPER\] The elusive role of soil quality in nutrient cycling: a review](#)

Cycling of nutrients, including nitrogen and phosphorus, is one of the ecosystem services we expect agricultural soils to deliver. Nutrient cycling incorporates the reuse of agricultural, industrial and municipal organic residues that, misleadingly, are often referred to as 'wastes'. The present review disentangles the processes underlying the cycling of nutrients to better understand which soil properties determine the performance of that function. Four processes are identified ..

Open access on <http://onlinelibrary.wiley.com/doi/10.1111/sum.12288/full>



[Are you getting what you want from land?](#)

In October 2016 the European Commission Joint Research Centre organized together with the University of Antwerp, the Irish TEAGASC and the French Chamber of Agriculture an [EU STAKEHOLDER WORKSHOP](#), the last of 32 workshops run in 2016 in 5 different EU countries. The consultation took place in Bruxelles in the premises of COPA-COGECA, member of the LANDMARK Steering Committee. Around 55 stakeholders actively discussed on the state of existing knowledge, future requirements and priorities for policy options related to the protection or enhancement of soil functions across the EU.

More info on <http://landmark2020.eu/eu-stakeholder-workshop/>



[Who decides? Making policies on land management work on the farm](#)

LANDMARK organized a policy session at the European Ecosystem Services conference "Helping nature to help us" past September 2016 in Antwerp, Belgium. Participants explored linkages between stakeholders across spatial scales: how does the decision making by one stakeholder impact on other stakeholders elsewhere and vice versa? Speakers and audience interactively discussed and develop an appreciation of the shared



goal of sustainable land management, and the diversity of pathways to achieve..

More info

<https://www.aanmelder.nl/i/doc/246d0010674d3c943a6b80a2cef1c044?forcedownload=True>

Roundtable 4

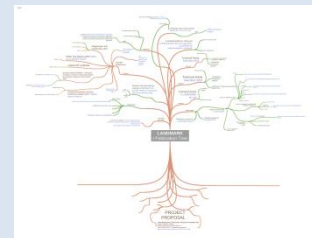
The LANDMARK consortium meets every six months in “roundtables” to align on the work done and mainly on stakeholders demands across the three LANDMARK spatial scales (local, regional and European). Our project partner the ETH University of Zurich hosted Roundtable4 in Feldis, Switzerland on 7-10th of November 2016 under 50 cm of snow. The consortium had the occasion to meet a Swiss farmer and discuss on direct payments system.

@Landmark2020 <https://twitter.com/Landmark2020/status/801826123080466432>

ETH zürich

LANDMARK grew 3 Publication trees

Our three publication trees visualizes LANDMARK outputs and outcomes to a wide variety of stakeholders and the public. Chose one of our scientific papers, look at the threes and click on the leaves to discover our outreach.



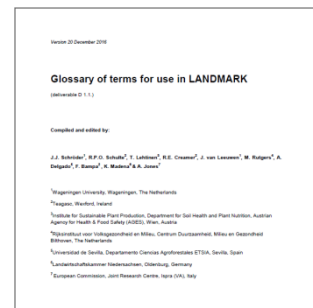
Explore the Publication Trees <http://landmark2020.eu/publication-trees/> 1, 2 and 3

What does the term “soil functions” mean?

LANDMARK has defined concepts commonly used to describe soil functions and soil quality. In our [Glossary](#) we define the five soil functions, the concept of functional land management, the management practices and soil processes. Translations in DEUTSCHE, ESPAÑOL and ITALIANO are available.

Info <http://landmark2020.eu/work-package/work-package-1/>

Download the English glossary <https://landmark2020.bitrix24.com/~jy2Dh>



32 workshops across YOU

This year LANDMARK hosted 32 local farmers, regional and national stakeholders workshops in Austria, Belgium, Denmark, France, Germany and Ireland. Workshops were run by our partners TEAGASC, AGES, University of Copenhagen, the Chamber of Agriculture of Lower Saxony, University of Antwerp, Joint Research Centre of the European Commission, led by the French Chamber of Agriculture APCA. During the consultations stakeholders discussed both indoor and outdoor on their perceptions of soil quality, soil functions, management practices, monitoring systems, indicators, needs..



HAPPY WINTER BREAK!

The [LANDMARK team](#) is looking forward [collaborating](#) and [engaging](#) with you in 2017.



What's next?

- 23-28.04.2017 [EGU](#), session [Role of soil biota in soil functioning](#), Vienna, Austria
- May 2017 LANDMARK Roundtable 5, CLUJ-NAPOCA, Romania
- 26.06-01.07.2017 [PEDOMETRICS](#) conference, Wageningen, The Netherlands
- 12-17.08.2018 [WORLD CONGRESS OF SOIL SCIENCE, Soils to feed and fuel the world](#), Rio de Janeiro, Brazil

LANDMARK attended also

[European Soil Science Conservation congress](#) Cluj-Napoca | [Coordinators day for Societal Challenge 2](#) Bruxelles | [Summer school on Mining Big and Complex Data](#) Ohrid - Macedonia | [European Ecosystem Services conference](#) Antwerp | [L'information sur les sols de France. Quels outils disponibles pour quelles utilisations?](#) Paris | [EEA's Scientific Committee seminar on land as a resource](#) Copenhagen | [EU soil expert group meeting](#) Bruxelles | [2nd Global Soil Security conference](#) Paris | [Soil Stakeholders conference](#) Bruxelles | [British Ecological Society Annual Meeting 2016](#) Liverpool | [Commission Agronomie Environnement APCA](#) Paris

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