

Newsletter 7

November 2020

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Dear reader,

In DiverIMPACTS we strive to achieve the full diversification potential of cropping systems for improved productivity, delivery of ecosystem services and resource-efficient and sustainable value chains. The project is funded under Horizon 2020, the European Union's Research and Innovation programme.

We are pleased to share the seventh DiverIMPACTS newsletter with you, and look forward to sharing more news with you soon. Enjoy!

What should be learned from the case studies' mid-term Learning Histories?



The Learning Histories (LH) provided valuable insights on what the case studies (CSs) have learned from their experiences and how they have evolved since the outset of the DiverIMPACTS project. The WP2 "learning-for-innovation" team aims to provide resources and tools to the CSs and support them in their efforts towards diversification by building upon the analysis of the LH made for the mid-term assessment of DiverIMPACTS.

Read more

Biodiversity investigations in DiverIMPACTS field experiments



More diverse cropping systems may enhance the abundance and diversity of beneficial arthropods, thereby influencing ecosystem functions such as biological pest control within the agro-ecosystem. But how do soil organisms respond to crop diversification? And how is the soil carbon cycle impacted? These are some of the questions being asked at the long-term field experiments within the DiverIMPACTS project.

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Report of water protection field trials 2018 & 2019 released, showing effects on nitrate-leaching



Within the framework of state-wide tasks around cooperative drinking water protection, several field trials are executed by the Chamber of Agriculture Lower Saxony (CALS), Germany. The results from 2018 and 2019 are now published, including the long-term rotation experiments monitored in DiverIMPACTS.

Read more

Creating a lasting legacy – update from work package 6



One of the key roles of WP6 is to create a lasting legacy for the project. As we come toward the end of the project, pulling together insights from across all work packages will be increasingly important. We will be compiling the key findings for each WP for policymakers, training and education providers and value chains, so please keep this in mind for your tasks.

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Success stories of crop diversification – key messages



Successes should be celebrated. That is what we have done by identifying eight success stories of crop diversification across Europe, highlighting why certain crop diversification strategies have been successful and what challenges were overcome to achieve success.

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'Intercropping for Sustainability' - two-day joint conference in January, 2021

DIVERSify and ReMIX team up with the Association of Applied Biologist to host this joint online event. The



partnered projects focus on developing and improving intercropping practices to diversify crop systems.





New video available: case study 15 – UK Hodmedod's



Diverse wide rotation, intercrops and supplying lentils to Hodmedod's - A case study with UK arable farmer. Andy Howard, shares his insights and expertise in intercropping – the benefits, risks and payoffs.



Online course on farm video production from NEFERTITI



The NEFERTITI project organised an online course "How to produce your own farm video to enhance knowledge exchange". Recording and downloads are now available.

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Project deliverables now available

Project deliverables showcase the progress made in the DiverIMPACTS project thus far.

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Breaking maize monoculture by introducing soybeans and oat cover crop in the rotation in Bearn, France: New practice

Diversifying rotations by introducing spring crop to reduce weed pressure in Berry, France: New practice abstract

abstract

DiverIMPACTS researcher from Arvalis, Clotile Toque, Clémence Aliaga, Peio Bachelet Piris have published a practice abstract about introducing soybeans and oat cover crop into the a maize monoculture. Project partners from Arvalis, Clotilde Toque, Edouard Baranger, Peio Bachelet Piris and from Terres Inovia, Gilles Sauzet have recently published a practice abstract about introducing spring crops to reduce weed pressure.

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Read more

Diversification of silage maize cultivation by using winter cover crops enabled by ultraearly maize varieties: New practice abstract

Continuous monocropping of silage maize is associated with unintended impacts on production levels and the environment, such as decreasing soil quality, pressure on biodiversity and ground water quality and increasing GHG-emissions.

Increasing exchanges between farmers to enhance crop diversification: New practice abstract

Grain farmers are generally disengaged in crop diversification and dairy farmers heavily rely on imported soybean. One solution to improving both farm systems sustainability is promoting exchanges between them.

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Silage sorghum, an alternative to silage maize: New practice abstract

Project partners from Maike Krauss from FiBL and Laurens van Run from Wageningen University & Research have published a practice abstract on how silage sorghum can act as a good alternative to silage maize.

Designing strip intercropping systems: New practice abstract

DiverIMPACTS partners from Wageningen University and Research, Dirk van Apeldoorn, Isabella Selin Norén, Lenora Ditzler and Walter Rossing, have published a new practice abstract on how to design an effective intercropping system.

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Contact information

Project coordinator

Dr Antoine Messéan Project leader DiverIMPACTS Eco-Innov, INRA 78850 Thiverval-Grignon France

Project communication

Dr Helga Willer Dissemination manager of the DiverIMPACTS project Research Institute of Organic Agriculture (FiBL)

Newsletter

Lauren Dietemann Research Institute of Organic Agriculture (FiBL) Ackerstrasse 113 5070 Frick Phone: +33 1 30 81 52 09 antoine.messean@inrae.fr

www.inrae.fr

Ackerstrasse 113 5070 Frick Switzerland

Phone: +41 62 865 72 07 helga.willer@fibl.org

www.fibl.org

Switzerland

Phone: +41 62 865 17 11 lauren.dietemann@fibl.org

www.fibl.org

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