

Welcome to the 35th edition of ENDURE News, the electronic newsletter from ENDURE. Please feel free to share this newsletter with colleagues.

- **DiverIMPACTS: Watch the final conference**

If you missed the final conference of DiverIMPACTS, which examined systems approaches to support agroecological transitions in the agri-food system, you can now watch proceedings on the project's YouTube channel.



- **IWMPRAISE: Game, guide and more!**

With the five-year IWMPRAISE project (Integrated Weed Management: Practical implementation solutions for Europe) due to end this November, members have been busy, staging a mini-symposium in Athens the day before June's European Weed Research Society (EWRS) symposium, presenting its work at the latter event, and producing useful tools for those involved in weed management.



- **2022 update: Glyphosate report available in French**

Despite being the most widely used herbicide in the world and the subject of controversy regarding its direct and indirect effects, little information is available on the quantitative aspects of glyphosate, such as its use in European countries. This has now been addressed with the publication of an ENDURE report, 'A survey on the uses of glyphosate in European countries'. As of March 2022, this report is also available in French.



- **IPMWORKS: Hubs and coaches established**

The IPMWORKS project devoted much of its first year on establishing its hubs of demonstration farms and reports that 22 new hubs are up and running. And in a further big step, the lifting of Covid-19 restrictions earlier this year meant that the project's hub coaches could meet for a capacity building session in France.



- **DiverIMPACTS: Get the policy brief**

DiverIMPACTS, the project addressing diversification through rotation, intercropping and multiple cropping, promoted with actors and the value chain for sustainability, has produced a policy brief addressing the production of actionable knowledge for crop diversification.



- **PPP, biodiversity and ecosystem services**

A multidisciplinary 46-strong group of experts has completed a two-year collective scientific expertise analysing the impacts of plant protection products (PPP) on biodiversity and ecosystem services.



- **DiverIMPACTS: Explore diversification experiences**

Data and the results of the analyses of recent crop diversification experiences and scientific literature conducted by the DiverIMPACTS project are now publicly available through two updated web-based applications.



- **EuroBlight: Workshop and sampling results**

More than 100 people attended May's EuroBlight workshop in Switzerland, either physically or virtually. EuroBlight, the potato late blight network for Europe, has also released details of its 2021 sampling campaign, which saw the collection and genotyping of almost 2,500 samples from 26 countries.

- **Pan-European research roadmap on the way**

Twenty-four research organisations from 16 European countries have joined forces to rethink the way research is conducted and develop new common research and experimentation strategies across the entire continent. The aim is to move 'Towards a Chemical Pesticide-free Agriculture' (including synthetic pesticides and other substances harmful to the environment and human health such as copper).



- **Diverfarming: Compost boosts bacterial community**

Spanish researchers working in the Diverfarming project have established the agricultural and environmental benefits to the bacterial community of applying compost rather than traditional fertilisers in soils.

- **Importance of ecological principles in agriculture**

Researchers from Scotland's James Hutton Institute (JHI) have completed a study examining six years of agricultural research conducted for the Scottish government which 'highlights the impact of the use of ecological principles in agriculture on sustainability, resilience, and provision of ecosystem functions'.



- **Projects focusing on sustainable production**

The SusCrop ERA-Net (Cofund on Sustainable Crop Production), which is aiming to 'strengthen the European Research Area (ERA) in the field of Sustainable Crop Production through enhanced cooperation and coordination of different national and regional research programmes', has released news of a rake of projects focused on more sustainable agriculture.



- **Wheat dwarf virus resistance uncovered**

Researchers from Germany's Julius Kühn Institute (JKI) have tested 500 wheat accessions, including cultivars, gene bank accessions and wild species, for their resistance to wheat dwarf virus (WDV). A subsequent genome-wide association study (GWAS) has raised the possibilities of breeding future WDV-resistant varieties.



- **Factors limiting hybrid plant varieties**

Experts from Wageningen University & Research and Solynta, a Dutch hybrid potato breeding company, have completed a major survey on all the factors that determine whether commercial plant breeders can produce hybrid varieties of food crops.



- **Understanding diversity in Swiss crop protection**

With the ambition of reducing the use of plant protection products (PPP), Agroscope researchers in Switzerland have conducted a study on farmers' behavioural patterns when using PPP on their crops.



- **Weed control without glyphosate**

IWMPRAISE, the project focusing on Integrated Weed Management, has published two inspiration sheets examining weed control without the use of glyphosate. The current European approval for the use of the herbicide is due to end in December this year and, for example, the French government launched a campaign in 2018 to end its use in 2023.



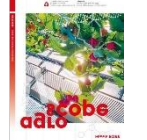
- **Switzerland launches new fruit and berry network**

Agroscope, ENDURE's Swiss partner, has joined forces with the Swiss Fruit Association to launch a National Competence Network for Fruit and Berries. The network will combine 'the strengths of the Swiss fruit production sector to jointly tackle the challenges faced by the sector in the medium-to-long-term'.



- **Melon and cowpea prove a win-win**

Researchers from two Spanish universities have established that intercropping melon and cowpea can be a win-win for farmers. Working as part of the Diverfarming Horizon 2020 project, they report that the combination of these crops improves soil nutrients and increases melon yields.



- **Catch up with DiverIMPACTS**

The ninth newsletter from the DiverIMPACTS Horizon 2020 project is now available. The project is seeking to 'achieve the full diversification potential of cropping systems for improved productivity, delivery of ecosystem services and resource-efficient and sustainable value chains', with the latest newsletter providing an update on progress.



- **Events calendar: Check out the latest!**

Our Events calendar for the second half of 2022 is looking busy after the cancellation of events or changes in format over the past two years because of the Covid-19 pandemic.



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