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Dear reader,

In SolACE – Solutions for improving Agroecosystem and Crop Efficiency for water and nutrient use – we strive to help European agriculture face major challenges, notably increased rainfall variability and reduced use of nitrogen and phosphorus fertilizers. The project is funded under Horizon 2020, the European Union's Research and Innovation programme.

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

Save the date: SolACE final conference



SolACE partners are organising the final conference - Improving Agroecosystem and Crop Efficiency for Water and Nutrient Use: Lessons Learned and Future Implications from a Horizon 2020 Project. It will be held in Brussels, Belgium on 12 April, 2022.

[Read more](#)

Four years of SolACE - the project is entering its final stage



SolACE partners met virtually for the 4th Annual Meeting in June 2021 and successfully completed the annual report presented to the European Commission Project Officer and external reviewers in July 2021. This was an excellent opportunity to share the vast amount of experimental and modelling results obtained by the SolACE community.

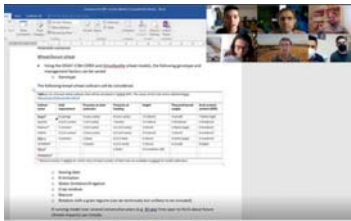
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The Roots of Agriculture: A series on below-ground research from the SolACE project

The SolACE project proudly present a series on root phenotyping and below-ground traits as explored through our research.

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SolACE modellers engage with farmer networks to identify stakeholder priorities for future climate scenarios



SolACE modellers have engaged with farmer networks to set priorities for the scenarios to be tested by the project's modelling team in work package 1. Focus on the impacts of reduced water and nitrogen availability will help predict the impact of climate change on the sustainability of production systems across Europe.

[Read more](#)

First results of SolACE potato field trials in Switzerland



After three consecutive years of trials, the last harvest of the SolACE potato field trials in Switzerland ended successfully on the 14th of September 2021. While it is still too soon to discuss the results of this rainy final year, the outcomes of the two previous seasons are very promising. This article provides insights into results from the inoculation and rotation trials.

[Read more](#)

Perspectives from SolACE farmer participatory trials presented at the “Farmer-centric On-Farm Experimentation” conference



SolACE partners working on participatory trials with farmers contributed a conference paper and e-presentation to the Farmer-centric On-Farm Experimentation Conference – Digital Tools for a Transformable Scalable Pathway (OFE 2021) in Montpellier, France, in October 2021. The paper and presentation cover the challenges and successes of completing on-farm research as part of a multi-actor project.

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Variability of wheat responses to nitrogen and water across Europe: New SolACE policy brief

In the face of climate change, the management of wheat, Europe's most widely grown crop, needs to adapt to changing environmental conditions. This policy brief provides an overview of wheat crop response to nitrogen fertiliser across Europe, gives insights into how this response is impacted by climate change and offers recommendations on how to address the impacts of climate change on the response to nitrogen fertiliser.

[Read more](#) >

Policy-level enablers and barriers to the uptake of Sustainable Farming Practices: New SolACE Policy Brief

Policy stakeholders in the UK and France were asked about policy-based enablers and barriers to farmers adopting sustainable farming practices as agricultural policy comes into a major period of revision. SolACE partners at Newcastle University produced a policy brief outlining participants views and recommendations.

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Optical sensors for adjusting nitrogen fertilization: New practice abstract

Application of nitrogen (N) fertilizer in excess of crop requirements is a common practice in agriculture, to ensure maximum production. However, this usually incurs an additional cost to farmers and increases environmental risk due to N losses.

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Mulch sowing in organic agriculture: New SolACE practice abstract

The new SolACE practice abstract explains the benefits of mulch sowing in organic agriculture and provides practical recommendations.

[Read more](#) >

Tweet to exist: How to improve scientific communication using Twitter

Communication is an inherent part of scientific work. And Twitter is becoming the

How to use SolACE's microbial consortia formulated with DCM Minigran® technology in the field

'media of choice' for the general public as well as scientists. The new SolACE practice abstract gives practical recommendations on how to use Twitter to reach your target audience.

[Read more](#) >

The new SolACE practice abstract explains the benefits of the DCM Minigran® technology and provides practical recommendations.

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Newsletter

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