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Dear reader,

The SolACE project, which ended in September, had the ambitious aim to help European agriculture face major challenges, notably increased rainfall variability and reduced use of nitrogen and phosphorus fertilisers for both economic and ecological purposes. The project was funded under Horizon 2020, the European Union's Research and Innovation Programme.

We are pleased to share the ninth and final SolACE newsletter with you all, including key messages, results and links to dissemination materials. Enjoy!

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## Five years of SolACE: Key results and findings shared at the final project meeting



SolACE partners met for their 5th Annual and Final Meeting in April 2022 in Louvain-la-Neuve (Belgium), hosted by UCLouvain. This was a unique opportunity to meet in person again and share the vast amount of experimental and modelling results obtained by the SolACE community over the past five years, as well as decide what to do in the five months of the project extension. This article by project coordinator Philippe Hinsinger summarises the key findings of SolACE, as highlighted in the Final Meeting.

[Read more](#) >

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## SolACE and Beyond: The Final SolACE Stakeholder Event

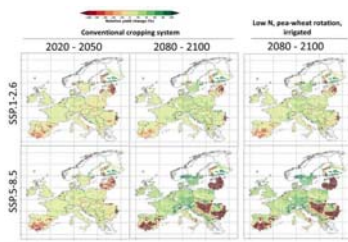


The fourth and final SolACE stakeholder event took place in Brussels on 12th April, 2022 prior to the final project meeting in Louvain-la-Neuve, Belgium. The event was a culmination of five preceding online workshops, which covered topics across all work packages in the project.

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# Climate change may have variable effects on production of crops across Europe



SolACE crop modelling suggests that climate change will increase the potential yield of wheat and potato in some regions of Europe but lead to large declines in others. Limitations due to stress can be alleviated by providing sustainable irrigation water and nitrogen sources.

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## Working with farmers in SolACE: Their perceptions and experiences of on-farm trials



A key component of the SolACE project was a network of farmers based in seven different European partner countries, contributing agronomic, economic and social science data through a participatory approach of on-farm trials to work package 5. Over the duration of the project, farmers were asked to share their perceptions of SolACE sustainable farming innovations and their experience of participating in the project.

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## Field inoculants tested in the SolACE project can improve potato quality



After three consecutive years of field trials, Agroscope researchers have found that microbial inoculants applied in field conditions could reduce the impact of blemish diseases on potato tubers. They also demonstrated that inoculants tested could establish into the potato plants' rooting system for several weeks.

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## Clothilde Collet's PhD thesis: A novel phenotyping pipeline for root architecture

Clothilde Collet at UCLouvain, a major contributor of the SolACE project root phenotyping activities in work package 2, successfully defended her PhD thesis at Louvain-la-Neuve on the 6th of September 2022. She played a pivotal role in developing the root phenotyping pipeline of the RootPhAir facility of UCLouvain.

[Read more](#)

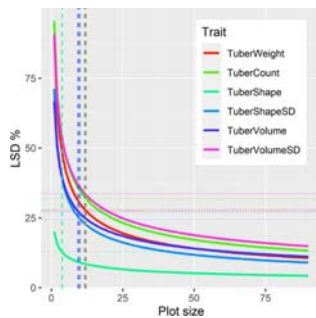
## SolACE practice abstracts: Practical information for bringing solutions to water and nutrient stress in crop production



SolACE has produced many practice abstracts focusing on topics ranging from irrigation and tillage practices to crop variety selection and scientific sampling techniques for setting up farm trials. Practice abstracts are short, accessible factsheets that provide practical information in a common format.

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## New SolACE training material: How to determine plot size in variety testing in hybrid potato?



As part of SolACE work package 4, "New Breeding Strategies and Tools," a training material was developed that includes a step-by-step plan for determining the optimal plot size and shape for a hybrid potato trial.

[Read more](#)

## Videos

The YouTube channel was continuously updated throughout the project with videos about farmer networks, field experiments, the phenotyping platform, conferences and more.

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## Video on key results

Hear from the SolACE project leaders about the key messages, progress and outputs from the SolACE Project.

[Read more](#)

## Training materials

Various training materials were produced and published as part of the SolACE work packages. These are intended to help you carry out the experiments and methods yourself.

[Read more](#) >

## Policy briefs

The SolACE policy briefs highlight some of the key messages coming from the project and provide key policy recommendations to address challenges.

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### Contact information

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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 727247 (SolACE)



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