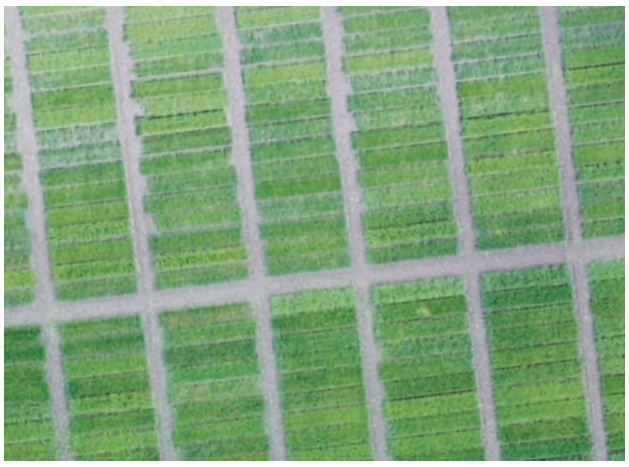
Solutions for improving Agroecosystem and Crop Efficiency for water and nutrient use

The goal of SolACE is to help European agriculture to address issues related to water and nutrient stresses caused by more variable rainfall and reduced N and P fertiliser use.

SolACE will design solutions that combine novel crop genotypes and management innovations to improve water and nutrient use efficiency in a range of agricultural contexts.

SoLACE will evaluate water, N and P acquisition efficiency and associated below-ground traits.
Photo: Philippe Hinsinger, INRA



Durum wheat is one of the crops the SolACE project works with.
Photo: Pasquale De Vita, CREA

SoLACE has access to unique phenotyping facilities.
Photo: Llorenç Cabrera-Bosquet, INRA

On-farm experiments and field demonstration play an important role in SolACE.
Photo: Thomas Alföldi, FiBL

SolACE objectives

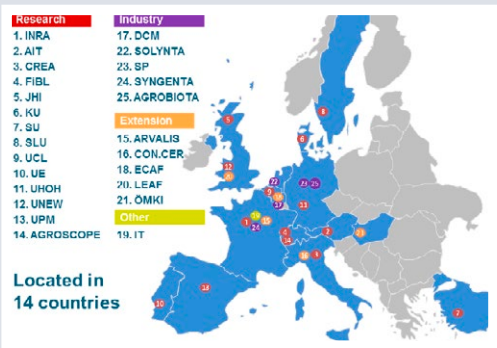
- Assess the potential combinations of water and nutrient stresses that are of major concern in various regions across Europe;
- Identify above- and below-ground plant traits to improve the efficiency of water and nutrient (N and P) use;
- Assess agroecosystem management innovations that can improve the efficiency of water, N and P use on-farm;
- Evaluate breeding strategies that can help to respond to combined shortages in water and nutrients;
- Establish farmer-researcher collaboration on new breeding and management strategies that can be applied across Europe.

Get involved

The SolACE stakeholder forum will be engaged in active dialogue and provide expertise to address key issues via the SolACE project newsletters, emails, skype calls, and the SolACE Stakeholder Events. If you wish to join the stakeholder forum please register on www.solace-eu.net/get-involved.html

Project partners and funding

SolACE is a multi-actor project, with 25 research, industry and extension partners in 14 European countries.
SoLACE is supported by the European Union's HORIZON 2020 research and innovation programme under the Grant Agreement no 727247 and by the Swiss State Secretariat for Education, Research and Innovation (SERI).



www.SolACE-eu.net

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