

HARNESTOM PARTNERS

HARNESTOM builds on the expertise of an outstanding consortium of complementary academic groups as well as agronomic knowledge and production experience provided by breeding companies and farmer associations located in the different participating countries.



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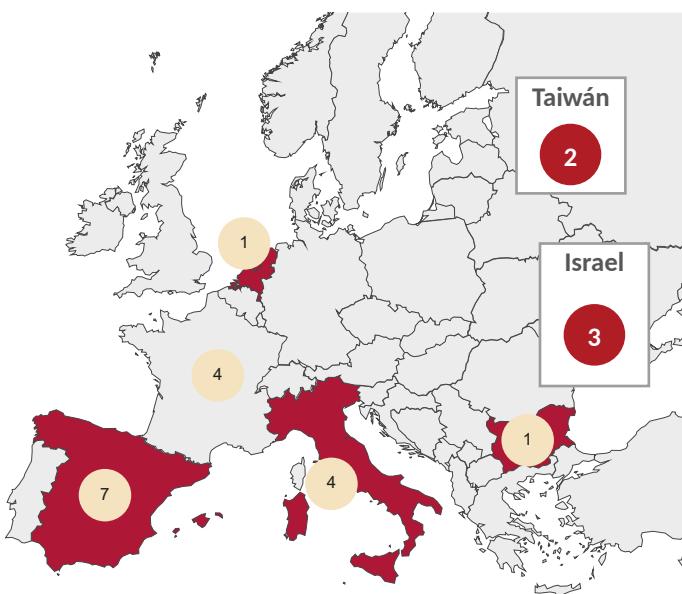


The Asian Vegetable Research and Development Center



Asociación de Productores y Comercializadores de la Tomata de Penjar d'Alcalà de Xivert

From lab to farm: HARNESTOM joins forces with breeding companies, scientists and farmers



More information

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The HARNESTOM project (Title: harnessing the value of tomato genetic resources for now and the future) has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 10100716.

Harnessing the value of tomato genetic resources for now and the future



WHAT IS HARNESTOM?

HARNESTOM Increasing the availability, characterization and use of Genetic Resources in breeding is key for food safety and security and can lead to innovation and benefit all stakeholders in the food chain.

HARNESTOM is a 4 year innovation action project (October 2020 - September 2024) committed to demonstrate that this statement can be realized in the case of tomato.



OBJETIVES AND ACTIVITIES

By capitalizing on the large effort done recently in several EU-funded projects to connect phenotypes/genotypes in a large number of tomato accessions from different germplasm banks and academia.

HARNESTOM will first collect, centralize and normalize this wealth of information in a way that is easily searchable and displayed in a user-friendly manner adapted to different type of users.

HARNESTOM will then develop four prebreeding programs addressing the major challenges of the field:

1. introducing resistances against major emerging diseases,
2. improving tomato tolerance to climate change,
3. improving fruit quality,
4. increasing resilience in traditional European tomatoes by participatory breeding.

EXPECTED IMPACTS

1. Creation an effective alliance of different stakeholders through a project management, outreach and communications platform that maximizes consortium productivity and GENRES use.
2. Development of tools to increase the speed and precision of tomato pre-breeding.
3. Identification of societal and legislation challenges/issues related to GenRes and their use and proposing ways to address those (i.e. regulation changes) to foster innovation

