

Innovative Organic fruit Breeding and uses



InnOBreed



48 months



21 partners,
10 countries



Budget:
4,79 Mio Euros



Fruit perennial
species

Objectives and activities

InnOBreed is a collaborative research project funded under Horizon Europe, aiming to foster organic crop breeding and improve the performance of the fruit sector, by enhancing Innovative Organic fruit Breeding and uses. Through nine workpackages and during a period of four years, InnOBreed will evaluate, implement and aggregate innovative solutions (IS) to promote the organic fruit industry by the development and deployment of suitable cultivars.

The main objective of the project is to identify specific fruit cultivars that are better suited for organic production compared to the ones used today, and that meet organic farming requirements. This will be done by breeding with new organic approaches; evaluating local genetic resources, (pre-) breeding material and cultivars; and introducing these varieties through the organic fruit supply chain.

InnOBreed plans to gather national and EU stakeholders of the fruit chain, including breeders, evaluators and FTGR collection curators, innovation providers, farmers, and consumers, in order to ensure the pertinence and durability of the project.

12 case studies have been selected representing different regions and species with the aim of supporting the activities of the project, as well as testing and validating the innovative solutions identified.

Expected results and impacts

Greater knowledge of relevant traits for organic crop and fruit production, and an improved and open access to a wider pool of high-quality plant reproductive material for the organic crop sector.

Improved adaptation of new organic crop varieties to organic farming conditions.

Increased competitiveness by improved availability of breeding strategies for organic crop production and novel governance and financing models supporting new breeding initiatives for organic crop production.

Increased competitiveness by increased relevance of the organic sector for commercial plant breeders and seed producers generating increased demand for organic seed and breeding, and by improved quality and transparency in the organic plant reproductive material market.

Increased competitiveness by training, demonstration and networking activities within the framework of the project.



<http://www.innobreed.eu/>



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