

Validation and prototyping of an Al-based mobile application to measure fruit in the field

FruitMeasureApp

Description

Monitoring fruit size is an invaluable source of information that helps fruit growers to make decisions. The team presenting this proposal has developed FruitMeasureApp, a mobile application based on artificial intelligence techniques to measure fruit size. This innovative methodology replaces error-prone manual methods, saving time and manpower for fruit growers. FruitMeasureApp will be tested as a support tool for fruit thinning using the Greene method. The app will be published free of charge on Google Play and App Store, providing users with a simple and quick tool for accurate fruit measurement. In addition, a set of demonstration activities will be carried out to facilitate its transfer, explaining to fruit growers how to use this tool from download to use. Given its efficiency and ease of use, FruitMeasureApp is expected to make a significant contribution to optimising fruit growers' time and resources, improving their decision-making and facilitating the transition to a more efficient and sustainable digital agriculture.

Objectives

The main objective of this demonstration activity is to transfer the mobile fruit measurement application FruitMeasureApp to the fruit sector. The activity is organized through the following specific objectives: 01 Prototyping and improvement of the mobile application 02 Validation and evaluation of the technology O 3 Use in fruit growing case O4 - Demonstration and dissemination activities

Participants

This project is a collaboration between Universitat de Lleida [http://www.udl.cat] and Institut de Recerca i Transferència Agroalimentàries [https://www.irta.cat/ca/].



Infographic





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