Service ID

S00247

Location

Spain, At user's premises, Remote

Validation of Yield Estimation based on Computer Vision

Provider service

Universitat de Lleida

Link to content

https://agrifoodtef.eu/services/validation-yield-estimation-based-computer-vision

Type of Sector

Greenhouse, Horticulture, Tree Crops, Viticulture

Accepted type of products

Data, Software or AI model

Type of service

AI model training, Collection of test data, Performance evaluation, Test design, Test setup, Text execution

Description

The service offers validation of fruit detections, diameter estimation and yield estimates using AI, in particular Computer Vision techniques. We help solution providers to check the solutions performance using reference datasets or experiments conducted in testing fields. The service might also include the generation of reference datasets and expected detection, diameter measures or yield values, which can be used both for validation and training of the AI solution based on Computer Vision.

How can the service help you

The service helps solution providers to validate the accuracy of their yield estimations, fruit detection and diameter estimation using AI and Computer Vision techniques, ensuring reliable performance through reference datasets and testing.

How the service will be delivered

The validation service will be conducted in designated testing fields or at your location, depending on availability and requirements. The execution of the service will take up to two weeks, allowing time for data collection and analysis. You will receive a comprehensive report detailing the validation results, including metrics on fruit detection accuracy, diameter estimation, and overall yield estimates. Additionally, metadata related to environmental conditions during testing will be provided. To facilitate this service, customers will need to supply access to relevant images or videos of fruit trees, as well as

Service customisation

The service can be customised for your specific product.