Service ID S00309

Location   At user's premises, Belgium

Validation of Integrated Agri Software

Provider service

Instituut voor Landbouw-, Visserij- en Voedingsonderzoek (ILVO)

Link to content

https://agrifoodtef.eu/catalogue-of-services/validation-integrated-agri-software

Type of Sector

Arable farming, Food processing, Greenhouse, Horticulture, Livestock farming, Tree Crops, Viticulture

Accepted type of products

Design / Documentation, Physical system, Software or AI model

Type of service

Collection of test data, Performance evaluation, Test design, Test execution, Test setup

Description

This service ensures that the software powering your hardware solution works seamlessly across all components. By testing the integration between different systems—whether it's farm machinery, drones, sensors, or management platforms—we test performance in a practical setting. This helps agribusinesses streamline processes, uncover potential issues, optimise decision-making, and allow comparing different approaches. Whether you're automating irrigation, monitoring crops, or integrating autonomous decision-making software, this service ensures that your technology ecosystem functions cohesively, enabling you to improve efficiency and achieve better outcomes.

How can the service help you

> Uncover potential software issues

> Explore compatibility with other platforms/data sources

> Compare multiple software approaches

> Review of software accessibility and (data) safety

How the service will be delivered

This service can be tailored to the specific software and hardware systems the customer uses, whether it involves sensor networks, AI-driven decision tools, or automated machinery. We can test different aspects of integration, such as system compatibility, data flow, or real-time performance under various operating conditions.

Service customisation

> The software is installed and tested either at our test facility or at the customer's premises.

> Real-world simulations and field tests are performed to assess integration and operational efficiency.

> The testing process accounts for regulatory restrictions, such as RPAS (drone) flight regulations.

> A comprehensive report with findings, performance benchmarks, and recommendations is provided. testing setup is installed at our infrastructure (or at users' premises if required).