TEF agrifood

Provision of real-time data streams

Provider service

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Link to content

https://agrifoodtef.eu/services/provision-real-time-data-streams

Type of Sector

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

Accepted type of products

Design / Documentation, Other

Type of service

Collection of test data, Provision of datasets

Description

The service provides access to data streams collected from equipment tested by other services or using specially installed sensor or camera arrays in specific test environments. It includes the provision of data streams from sensors and cameras installed to meet specific customer needs in agreed areas and tailored to work in these specific locations. Such areas are, for example, fields, orchards, vineyards, forests, or specific locations such as farms, barns, or warehouses. Furthermore, the service includes access to corrections from local RTK stations and meteorological station data. In this way, it provides comprehensive and reliable data access support for a variety of customer requirements.

How can the service help you

This service provides the security to access data streams collected by the device under test from other services or using sensors or cameras installed in a dedicated test environment.

The service provider also provides for obtaining the ability to subscribe to real-time data streams from on-farm-generated data (e.g., for weed and disease detection by UAVs, video streams on pig behaviour, spray boom images, etc.). As part of it, we offer the provision of data streams from sensors and cameras installed to meet specific customer needs in agreed areas and

How the service will be delivered

Our service to provide access to data streams is based on a structured workflow. The time, duration, and other details of the service delivery can be adjusted according to the characteristics of a problem at hand and specific customer needs. The customer needs to provide access to the devices recording the data to be streamed. The process is flexible and tailored to specific needs, ensuring professionalism and commitment at every stage of our collaboration. As a result, the customer will obtain the data stream as well as a detailed report from the work conducted.

Service customisation

As part of the service, we offer the development of a methodology for the course of action in line with the guidelines of commonly applicable documents (standards, directives, etc.). Based on this, we will plan and carry out actions allowing the service user to gain full access to the data stream collected by the device, which is tested by other services or by using sensors or cameras installed specifically for this purpose in a specific environment.