

**Service ID** S00319

**Location** Spain



## Data Analysis for Smart Irrigation Systems

### Provider service

HISPATEC

### Link to content

<https://agrifoodtef.eu/catalogue-of-services/data-analysis-smart-irrigation-systems>

### Type of Sector

Arable farming, Greenhouse, Horticulture, Tree Crops, Viticulture

### Accepted type of products

Data

### Type of service

Data analysis

### Description

This service allows companies to experiment with real-time data and advanced analytics to improve water management, reduce waste, and enhance crop yield. The service includes comprehensive testing and evaluation to ensure compatibility and performance, ensuring efficient irrigation practices and sustainability through insights into soil moisture, weather conditions, and plant water needs.

## **How can the service help you**

The service helps agricultural companies test how to improve water efficiency through irrigation data analysis and the provision of actionable insights. These clients will gain a deeper understanding of water usage, soil conditions, and optimal irrigation schedules, leading to reduced water waste, increased crop yield, and cost savings. It also enhances decision-making with real-time data integration.

## **How the service will be delivered**

The service can be tailored by adjusting irrigation scheduling parameters, soil and crop type settings, and integrating different data sources depending on client needs. Additionally, analysis criteria can be fine-tuned for specific local climate conditions or particular types of crops, making the service adaptable to diverse agricultural operations.

## **Service customisation**

The service will be delivered through a web-based platform with real-time data processing capabilities. It integrates with existing irrigation systems and continuously collects data on soil moisture, weather conditions, and irrigation patterns. The output includes reports on water usage efficiency, cost reduction, and crop performance. The client must provide access to their irrigation data, and the service adapts to the specifics of each agricultural environment.