Optimised Irrigation Scheduling for Smart Agriculture

Provider service

HISPATEC

Link to content

https://agrifoodtef.eu/catalogue-of-services/optimised-irrigation-scheduling-smart-agriculture

Type of Sector

Arable farming, Greenhouse, Horticulture, Tree Crops, Viticulture

Accepted type of products

Data

Type of service

Data analysis

Description

This experimental service offers agrotech companies customised irrigation schedules based on real-time and historical data analysis. By taking into account soil moisture levels, weather conditions, and crop requirements, the service generates irrigation plans that improve efficiency and crop yields. The service delivers detailed reports with actionable insights, ensuring that water is used efficiently without compromising crop health.

How can the service help you

The service allows clients to test how their irrigation schedules are optimised, ensuring that water is applied at the right time and in the right amount. Clients benefit from reduced water waste, improved crop health, and greater overall efficiency. The tailored scheduling helps reduce operational costs and increase productivity by addressing the specific needs of each crop and environmental condition.

How the service will be delivered

Customisation options include specific scheduling criteria based on crop type, soil type, and climate data. Clients can choose to receive recommendations tailored to specific growth stages of their crops, and the service can be integrated with various data sources to further refine irrigation schedules.

Service customisation

The service is delivered through a cloud-based platform that continuously monitors environmental data and provides irrigation recommendations. Clients will receive regular updates with optimised irrigation plans based on current and forecasted conditions. Reports on water usage and efficiency are provided, and the service adapts to changing weather patterns and crop growth stages. Clients are required to provide data access to their existing systems.