

**Service ID** S00225

**Location** Italy



## **IoT weather predictive models and greenhouse gas emissions from agric**

### **Provider service**

Università degli Studi di Napoli Federico II

### **Link to content**

<https://www.agrifoodtef.eu/services/iot-weather-predictive-models-and-greenhouse-gas-emissions-agriculture>

### **Type of Sector**

Arable farming, Food processing, Greenhouse, Horticulture, Livestock farming

### **Accepted type of products**

Data, Design / Documentation, Software or AI model

### **Type of service**

AI model training, Business modelling, Certification, Collection of test data, Conformity assessment, Data analysis, Performan

### **Description**

The service offers specialised support in developing and testing IoT solutions for agricultural weather monitoring and forecasting. Aimed at AgriTech companies, it leverages advanced technology to help farmers better understand and respond to climate-related challenges. By enhancing real-time weather insights, the service empowers informed decision-making and promotes greater resilience in agricultural practices.

## How can the service help you

The service can help you by providing advanced IoT solutions for weather monitoring and forecasting, specifically tailored to the needs of agriculture. This enables you to better understand weather patterns, make informed decisions, and enhance resilience to climate change challenges, ultimately improving the sustainability and productivity of your agricultural operations.

## How the service will be delivered

**Tailored to Agricultural Needs:** The service is specifically designed for the agricultural sector, ensuring that weather monitoring and forecasting solutions are customised to meet the unique conditions and challenges faced by farms and AgriTech companies.

**Adaptable to Different Scales:** The IoT solutions can be adapted to farms of various sizes, from smallholdings to large-scale agricultural operations, offering flexible solutions that scale according to the user's needs.

**Localised Weather Data:** Customisation includes the integration of region-specific weather data and forecasting models, allowing farmers to receive accurate, location-based insights that are most relevant to their operations.

**Integration with Existing Systems:** The service can be tailored to integrate seamlessly with existing agricultural management systems, enhancing the overall efficiency of operations without requiring major overhauls.

## Service customisation

The service will be delivered through the development and testing of customised IoT-based weather monitoring and forecasting solutions. These systems will be tailored to your specific agricultural needs, providing real-time weather data and insights that help optimise decision-making and improve resilience to climate change. Support will include the integration of these technologies into your operations and ongoing assistance to ensure effective implementation.