

**Service ID** S00087



**Location** Remote

## **Provision of dataset for agricultural applications**

### **Provider service**

Laboratoire National de Métrologie et d'Essais - LNE

### **Link to content**

<https://agrifoodtef.eu/services/provision-dataset-agricultural-applications>

### **Type of Sector**

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

### **Accepted type of products**

Design / Documentation, Other

### **Type of service**

Data analysis, Data augmentation, Provision of datasets

### **Description**

Our service offers a comprehensive collection of high-quality datasets tailored for agricultural applications, specifically designed to facilitate the testing and training of AI systems. These datasets encompass a wide range of data types, such as RGB or infrared images, 3D scans of LiDAR, or tabular data, ensuring that users have access to the relevant information needed for effective model development. By providing clean, well-structured, and annotated data, we empower agricultural businesses, researchers, and developers to enhance their AI solutions, driving innovation and efficiency in the industry. With our datasets, users can accelerate their projects, improve decision-making, and ultimately contribute to more sustainable agricultural practices.

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

The service can significantly help customers in several ways:

- \* **Accelerated Development:** By providing high-quality datasets, customers can expedite the development and training of their AI models, reducing the time and costs needed to go from concept to implementation.
- \* **Improved Accuracy:** Access to well-structured and relevant data enhances the accuracy of AI algorithms, leading to better predictions and insights in agricultural applications.
- \* **Innovation Facilitation:** By leveraging the datasets, customers can explore new AI-driven solutions, fostering innovation and helping them stay competitive in the evolving agricultural landscape.

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

The datasets can be tailored to specific agricultural needs, enabling customers to develop AI applications that address unique challenges within their operations. The dataset provided can be annotated with several types of annotations that will be defined at the preliminary meeting.

## **Service customisation**

The dataset provision service includes several technical meetings with AI and robotics experts to define the required dataset and the operational domain to cover. The delivery is the dataset and a report that describes its characteristics.