

Service ID S00087



Location Remote

Provision of dataset for agricultural applications

Provider service

Laboratoire National de Meterologie et d'Essais (LNE)

Link to content

<https://agrifoodtef.eu/catalogue-of-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.