

Service ID S00361

Location Remote, Sweden



Data pipeline evaluation for AI applications

Provider service

RISE - Research Institutes of Sweden

Link to content

<https://agrifoodtef.eu/catalogue-of-services/data-pipeline-evaluation-ai-applications>

Type of Sector

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

Accepted type of products

Data, Software or AI model

Type of service

AI model training, Collection of test data, Data analysis, Performance evaluation, Test execution, Test setup

Description

The purpose of the service is to ensure that data protocols and pipelines are adequate to the AI application developed by the customer. The service can be delivered at different stages of product maturity to ensure that it can provide targeted testing when it is most useful. During earlier product development stages, the service concentrates on data collection, quality and storage protocols, whilst, at later stages, attention can be extended to scalability, access and control mechanisms.

How can the service help you

The success of AI applications is almost without exception dependent on the quality of the data that is used during the training and testing phases. Nonetheless, ensuring data quality is often treated as a lesser detail. The same applies to data handling, the process by which data is collected, stored and accessed.

"Data pipeline evaluation for AI applications" addresses the above by providing a dedicated service to test the adequacy of the customer data pipelines or protocols for the AI product.

Before the service: A company has established data handling protocols that may be inadequate for optimal product development. The sources of data may be of limited quality. The collection and storage protocols may be poorly designed or implemented. Access to data may be cumbersome. Data may not be sufficiently secured. Redundancy protocols may be insufficient. All the above may result in an AI application that is of low quality, difficult to maintain or where data leakage may easily occur.

How the service will be delivered

The service can be adapted to specific customer needs. The assessment journey starts with a joint meeting where the customer discusses different alternatives with a technical team from AgrifoodTEF, supplemented with domain experts from RISE or Asta Zero and members from the customer support team. Once the service delivery plan is established, service delivery will begin.

Service customisation

Logistics

The AgrifoodTEF project offers:

Data Pipeline Evaluation: Complete analysis of the customer's present data solution, including stress testing under different scenarios.

Data Readiness Support: Assistance in preparing and managing existing datasets to ensure readiness for AI model training. **Expert Guidance:** Personnel available to support your experimentation and help you navigate the complexities of data handling.

Increased Exposure: Opportunities for the company to demonstrate enhanced models to industry stakeholders and customers.

Delivery Period: The service is available throughout the year, ensuring access support when required. **Duration:** Service execution can span several weeks and is dependent on the complexity of the task