

Service ID

S00142

**Location**

At user's premises, Netherlands, Rem

Assessment of interoperability for AI-driven solutions

Provider service

Wageningen Research - WR

Link to content<https://agrifoodtef.eu/services/assessment-interoperability-ai-driven-solutions>**Type of Sector**

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

Accepted type of products

Data, Design / Documentation

Type of service

Conformity assessment, Data augmentation, Test design, Test execution, Test setup

Description

Data interoperability in the agrifood sector hinders innovation and development due to the need for many custom solutions to share data. This service helps agricultural organisations improve how they handle and share data across the entire food value chain. By implementing standardised reference data models like rmAgro (<https://rmagro.org>), we help to optimise your data flows and make your information systems work better together. Our team at Wageningen Research provides expert guidance in data modelling and implements reference models that align with industry standards and tests the reference models against various use cases. This promotes more efficient data sharing between different systems and organisations, reducing data integration challenges and improving operational efficiency. The service is particularly valuable for organisations looking to modernise their data infrastructure or needing to share data more effectively with partners in the agri-food sector. This service provides an assessment of interoperability for AI-driven solutions within the agri-food sector. The service facilitates conformance testing and verification of whether the related IT systems comply with relevant standards, guidelines, data space regulations, and other interoperability requirements. By evaluating the IT systems against established reference data models

How can the service help you

Before using this service, organisations often struggle with incompatible data formats, difficult data exchanges between systems, and inefficient data flows. After implementing our reference architecture and data modelling solutions, you will have:

- Standardised data structures that make sharing information more meaningful

How the service will be delivered

The service is delivered through a structured process that includes:

- Intake conversation to define user requirements
- Initial assessment of your current data infrastructure, relevant standards, and user needs

Service customisation

The service can be customised based on:

- Scale of your organisation
- Scope and complexity of your data flows