

**Service ID** S00023

**Location** Sweden



## **Validation of work result under real conditions crop production robotics**

### **Provider service**

Research Institutes of Sweden (RISE)

### **Link to content**

<https://www.agrifoodtef.eu/services/validation-work-result-under-real-conditions-crop-production-robotics>

### **Type of Sector**

Arable farming

### **Accepted type of products**

Design / Documentation, Physical system, Software or AI model

### **Type of service**

Collection of test data, Performance evaluation, Test design, Test execution, Test setup

### **Description**

Evaluate your agrifood innovation in authentic Nordic conditions with our personalized service. We assess your product through the lens of potential customers, providing valuable insights for refinement and adaptation. By tailoring the testing process to your specific innovation, we deliver clear, data-driven feedback to help you scale effectively. Whether your goal is to validate, enhance, or launch your innovation, our hands-on approach equips you with the knowledge and confidence you need to succeed. Partner with us to ensure your innovation thrives in a market poised for change. Ready to turn your idea into a market-ready solution? Let's collaborate to make it a reality!

## How can the service help you

Our service offers essential support for innovators developing AI and robotics solutions in the agricultural sector. Before partnering with us, you may have uncertainties about how your technology will perform in real-world farming conditions and how it will be received by potential users. That's where we come in.

By testing your AI or robotics product in authentic Nordic farming environments, we help you collect vital data on its performance. You'll gain insights into how your solution functions under various conditions, its problem-solving efficiency, and how potential customers perceive its value. For example, we can measure the error rate of a robot during automated tasks or assess how your AI-driven system enhances crop management.

After utilizing our service, you'll receive clear, customer-focused feedback and performance metrics that enable you to refine your innovation. The result is a product that is better aligned with market needs and significantly more likely to succeed commercially. Our service streamlines the transition from a promising prototype to a thoroughly tested, market-ready solution that effectively addresses the core challenges faced by modern farmers.

## How the service will be delivered

The assessment journey begins with a collaborative meeting where the customer engages with a technical team from agrifoodTEF, including experts from RISE and/or Asta Zero. During this meeting, the customer discusses available options with their own team, who will guide them through the process.

## Service customisation

The innovation is tested in real-world or realistic conditions within the Nordic climate, with results evaluated from the perspective of potential customers. Our service is tailored specifically to the innovation being tested.

Service Offerings: the agrifoodTEF project provides the following resources and facilities for testing:

- A designated test area equipped with necessary testing tools.
- Storage space for the robot platform, including charging facilities.
- Amenities such as restrooms, a kitchen, and a coffee machine.
- Access to personnel, including relevant experts from RISE.
- The ability to conduct tests in various locations within the Testbed.
- The service is executed by RISE at the Testbed for Digitalized Agriculture in Uppsala.

Deliverables: the results of the service will be communicated both verbally in a meeting and documented in a written report