

**Service ID** S00188

**Location** Remote



## **Testing for safety in alignment with relevant legislation**

### **Provider service**

Fondazione Bruno Kessler

### **Link to content**

<https://agrifoodtef.eu/services/testing-safety-alignment-relevant-legislation>

### **Type of Sector**

Arable farming, Greenhouse, Horticulture, Tree Crops, Viticulture

### **Accepted type of products**

Design / Documentation, Software or AI model

### **Type of service**

Performance evaluation, Test execution, Test setup

### **Description**

The purpose of this service is to provide advanced testing for AI and navigation software in the agrifood sector. By leveraging AI-powered test case generation, the service aims to create enriched and realistic testing scenarios that address safety and performance challenges in the control systems of complex agricultural systems. It seeks to support companies in identifying performance issues, allowing them to optimise system efficiency and reliability, with the objective of reducing costs and improving overall system performance.

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

With this service, customers require enhanced testing and analysis techniques for complex agricultural systems are received on the one side methods to design and perform testing activities, and on the other side recommendations for aligning with safety legislation based on the analysis of executed tests.

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

The service will be tailored to the customer's specific needs and the potential regulations they must comply with.

## **Service customisation**

The service execution takes approximately 16 weeks, adjustable as needed. The customer should collaborate to define safety and relevant regulations and give access to the software (under NDA). The outputs are reports and analyses on test cases, regulatory compliance, and safety alignment.