Service ID JR_NEW2

Location Austria, Remote

Feasibility analysis of a selected AI or robotics use case in agriculture

Provider service

Josephinum Research (JR), Raumberg Gumpenstein Research & Development (RGRD)

Link to content

https://agrifoodtef.eu/catalogue-of-services/feasibility-analysis-selected-ai-or-robotics-use-case-agriculture

Type of Sector

Arable farming, Livestock farming

Accepted type of products

Data, Design / Documentation, Physical system, Software or AI model

Type of service

Desk assessment, Market research

Description

This follow-up service supports clients who, based on a prior assessment or internal selection, want to explore a specific AI or robotics use case in greater depth. It focuses on understanding the conditions under which the selected use case could be applied in agriculture. Our team performs a structured feasibility analysis considering technical, organisational, and sector-specific factors. This includes evaluating compatibility with agricultural processes, identifying potential barriers to adoption, and estimating the expected added value. The goal is to provide the client with a clearer picture of what successful implementation would require and which factors might influence success or failure. The deliverable is a detailed report with insights, risks, and recommendations, supporting further internal evaluation and strategic planning.

How can the service help you

After identifying promising application areas, companies often need deeper insights before committing resources to development. This service supports such decisions by offering an evidence-based analysis of the opportunities and constraints of a specific AI or robotics use case in agriculture. Clients gain a better understanding of technical and contextual feasibility and the conditions that would need to be met for the use case to succeed. It is particularly useful for early-stage strategy, risk identification, and investment planning.

How the service will be delivered

The scope and focus of the analysis are fully customisable. Depending on the client’s priorities, the service can emphasise technical compatibility, stakeholder analysis, value potential, or integration hurdles. The quality of the outcome depends on the information provided. This is an analysis service, not a product development service.

Service customisation

The service begins with an initial alignment meeting (approx. 1 hour), in which we define the selected use case, the analysis goals, and the required input. The main analysis phase runs over 4 to 10 weeks, depending on complexity and data availability. Research methods may include desk research, expert consultations, and analysis of agricultural processes. At the end, clients receive a written report including findings, open questions, and strategic considerations. The final presentation of results is delivered remotely or in person. No physical testing is involved.