

Service ID S00279

Location Remote, Spain



Dataspace use case design analysis

Provider service

GRADIANT

Link to content

<https://agrifoodtef.eu/catalogue-of-services/dataspace-use-case-design-analysis>

Type of Sector

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

Accepted type of products

Design / Documentation

Type of service

Desk assessment

Description

Creating a dataspace involves significant costs and time investment. Technology-related expenses include evolving and adapting reference software components (such as participant agents (connectors), identity and access management mechanisms, and data catalogues), designing the dataspace, and deploying it in a public or private cloud infrastructure. To justify these costs, a compelling value proposition for each data space participant (consumers or providers) is crucial. The primary aim of the service is to assist the customer in designing well-defined dataspace use cases. The service offers aid in the definition of the purpose, review of the participant roles (that could be data provider, data consumer, data intermediary, or part of the data space governance authority), business and governance models outline, and specification of the reference architecture and user interface of the dataspace. Tools used in this process include the Starter Kit for Data Space Designers [1], Data Cooperation Canvas [2], Use Case Playbook [3], and Use Case Blueprint [4]. [1]

<https://dssc.eu/download/attachments/29523973/DSSC-Starterkit-Version-1.0.pdf?download=true> [2]

<https://www.datacooperationcanvas.eu/canvas/intro> [3]

https://internationaldataspaces.org/wp-content/uploads/dlm_uploads/use-case-playbook.pdf [4]

<https://dataspace-supportcentre.atlassian.net/wiki/spaces/BVE/pages/357074241/Use+Case+Development>

How can the service help you

In this service, we will help organisations to define the purpose of participation, to review participant roles, to outline business and governance models, and to specify the reference architecture and the user interface of the data space. Based on the results, we will suggest how Agrifood TEF can assist customers in implementing the use case. The main goals are to help customers define and evaluate the feasibility of a data space business model or use case and to decide on key aspects of the governance model and technology to be used.

How the service will be delivered

An example service involves cooperative Considering data sharing among associates related to livestock. Analysing the use case helps clients make informed decisions about establishing or participating (or not) in data spaces. Another example service involves Cooperative B, which is developing a prediction system for livestock farming, and it wants to test it with third-party data. Although it knows that by joining a dataspace it could obtain the necessary data, it lacks the required knowledge, and it is unaware of the implications of adopting such technology.

Service customisation

The estimated duration of the service is one month, but it depends on the customer's availability. The customer is expected to bring the description of the use case and availability to participate in remote meetings. The service provider shall deliver a document containing the analysis of the use case and suggestions to help the customer implement the use case.