



AgDataHub and Innovation Centre



Name of the Organisations Involved

- AgDataHub, France
- Poznam Supercomputing and Networking Center, Poland

Challenges Identified

Today, there is a common understanding that data holds high value. Leveraging this value and trading data creates huge revenues for large data platforms. Rarely do the creators of data benefit adequately; often, only the cost for data creation and management remains with them. Furthermore, many give their data away for free or pay with it for the use of a service. Finally, others keep it for themselves without taking advantage of its value.

Agriculture faces major challenges: it must meet the world's food needs, provide farmers with an adequate income, and, at the same time, protect the environment. To achieve these goals, careful use of resources and smart agriculture are required. AgriDataSpace will strengthen smart agriculture capacity, competitiveness, and fair income through the multi-technological implementation of an innovative, intelligent, and fully distributed platform. The project takes a multi-dimensional approach that combines Big Data and data space technologies with agricultural knowledge, new business models, and agri-environmental measures. There is a need for vendor-independent data ecosystems and marketplaces, open to all at low cost and with low entry barriers. This need is addressed by AgDataHub in the agriculture domains. The specification of data exchange orchestration forms the basis for a data marketplace based on European values, ensuring data sovereignty for the creator of the data and trust among participants.

Goals and Solution

AgriDataSpace project aims to pave the way for a European data space for agriculture that facilitates data sharing, processing, and analysis in a secured, trusted, transparent and responsible manner to create new opportunities for monitoring and optimising natural resource use stimulating data-driven innovations in the field of agriculture.

Actions Taken

- Map the current landscape of on-going data sharing initiatives and design approaches in agriculture,
- Analyse and assess current governance models and develop a multi-stakeholder governance scheme for the EU data space for agriculture,
- Analyse and assess current business models and explore potential business models for various agriculture stakeholder relations,
- Explore the evolving legislative framework and provide solutions and technical enablers for ethical tensions related to data sovereignty,
- Develop a conceptual reference architecture for a common data space framework in agriculture and a reference technology canvas,

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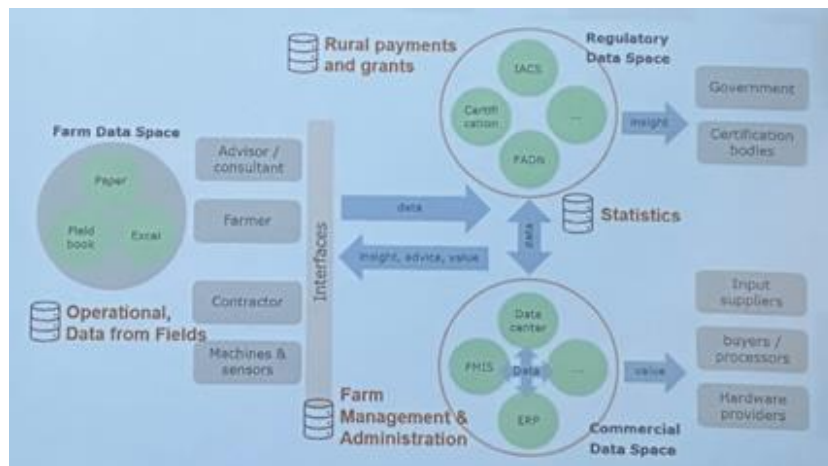
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- Engage stakeholders in various activities for evaluation and validation in order to reach broad consensus,
- Develop a roadmap that compiles all requirements into a comprehensive pathway towards implementation of the EU data space for agriculture.



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Benefits and Impact

- Support of agriculture related startups in business development, access-to-finance and access-to-market,
- Reducing the lead time for startup creation and startup growth,
- Mentoring, coaching and training of agriculture-oriented entrepreneurs,
- Data sharing modules are:
 - Virtual farm (with dashboard),
 - Tracing the origin of products,
 - Risk reporting,
 - Sharing meteorological data.

Contact Information

Sebastien Picardat (AgDataHub, France)

Email: sebastien.picardat@agdatahub.eu , Website: www.agdatahub.eu

Raul Palma (Poznam Supercomputing and Networking Center, Poland)

Website: <https://agridataspace-csa.eu>

Prepared by

Wolfgang Kniejski (INI-Novation GmbH)

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