



10 LAKES

From Potato-X to
Common European Agricultural Data Space

Data Spaces Alliance Finland, 19.6.2024
Marko Turpeinen

Potato-X



ILVO
Flanders research institute for
agriculture, fisheries and food

AVR

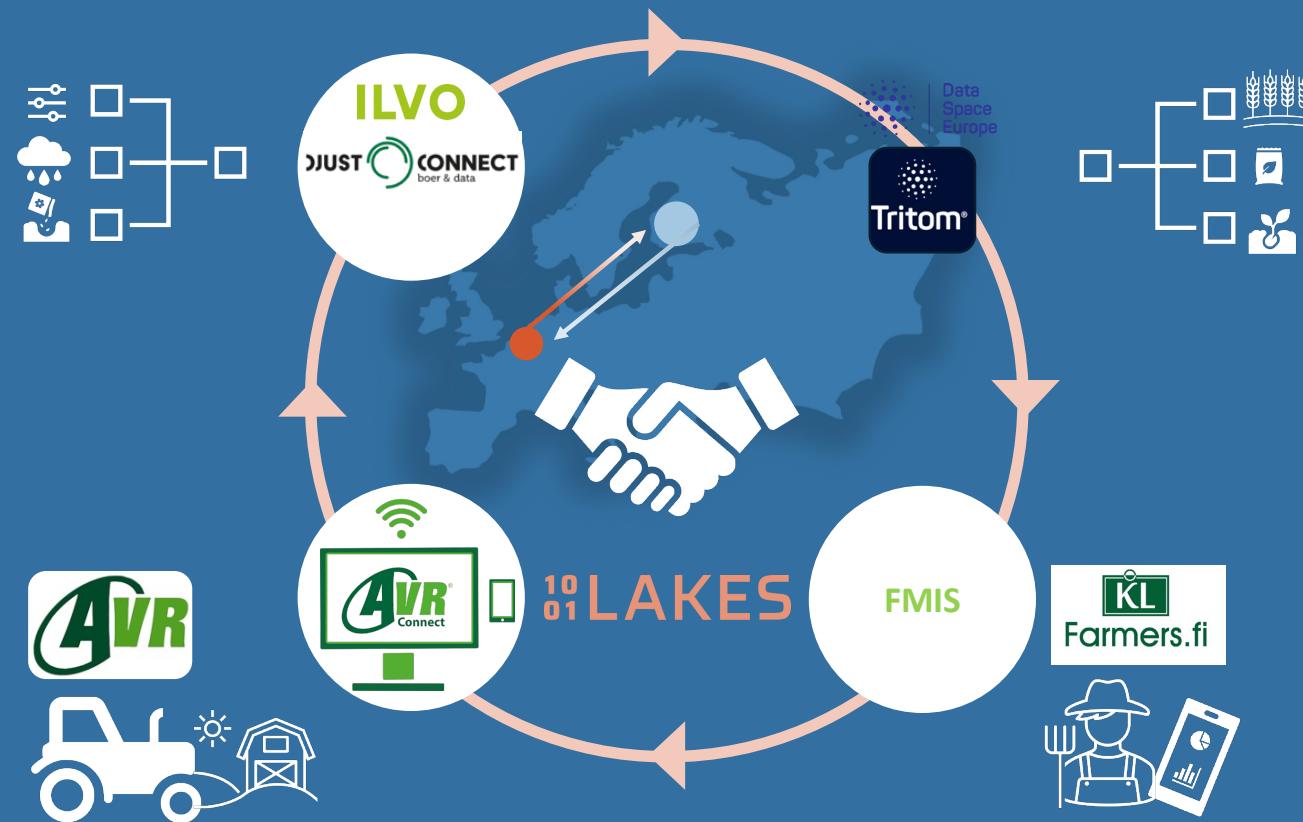


DataSpace
Europe

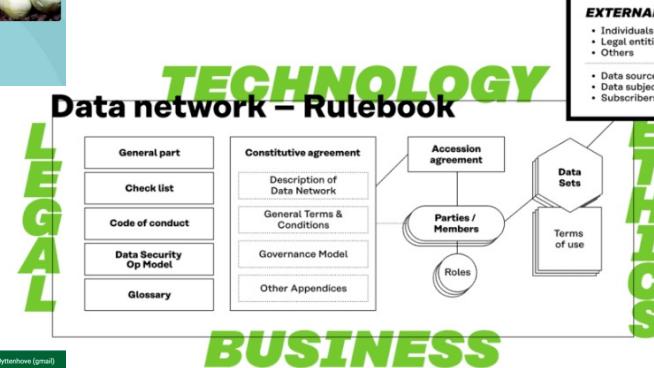
KL
Farmers.fi

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POTATO-X



End-to-end permissioned data flows

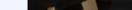




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of new services in ecosystems.

Our solution is the light, but reliable data intermediation service **Triton** that complies with EU requirements.



Triton Data Intermediation Service

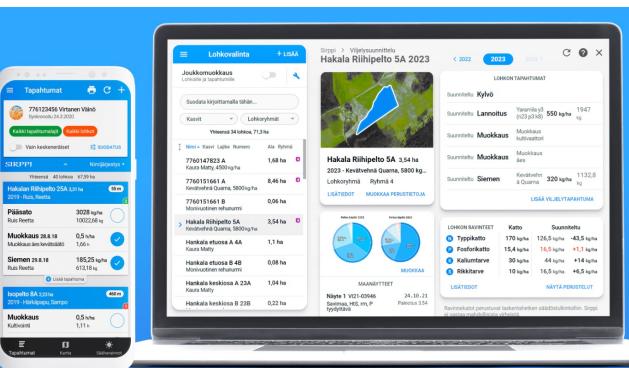
Triton Essential for Data Producers

Triton Enterprise for Service Providers

Pricing



The screenshot shows the FarmQA software interface. At the top, there is a navigation bar with links for Machines, Trips, Fields, Geofence, Alerts, Reports, Settings, Dealer Management, and Machine Management. On the right, there are user details (Hekki Kukkulanen, EN (GB), Koen Uttenhove (gmail)) and a search bar. Below the navigation bar, there is a search bar with the text 'KK varasto'. The main area features a map of a field with a yield overlay. A legend on the left shows yield ranges from 0.0 to 10.0 t/ha. The map also includes a toolbar with icons for Map, Satellite, and various management functions like Harvesting, Irrigation, and Crop Rotation. On the left sidebar, there are buttons for YIELD, GPS POSITION, ENGINE CONSUMPTION, ENGINE POWER, SPEED, TRACTION PRESSURE, CALIBER, TRACING, and HECTARE COUNTER.

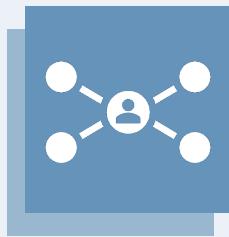


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01 LAKES

POTATO-X: GOALS and KEY LEARNINGS



Improved potato farming yield based on farming machinery data resulting a commercially driven pilot service. → *Value for farmers: 2k€ yearly profit / farm.*



Cross-border data sharing and interconnectivity between Tritom and DJustConnect. → *Technical DISP connection implemented successfully.*



Inter data space governance using Sitra rulebook model, data usage policies and automated data contracts. → *Governance model developed and automated contracting piloted.*



EU-level showcase with a pilot service implementing automated smart contracts between parties. → *Showcased the implementation of EU Data Governance Act (DGA) and EU Data Act (DA) in practice*

Common European Agricultural Data Space (CEADS)

Why?

New **value creation** and **operational efficiencies** for European agri-food stakeholders by exploiting available data.

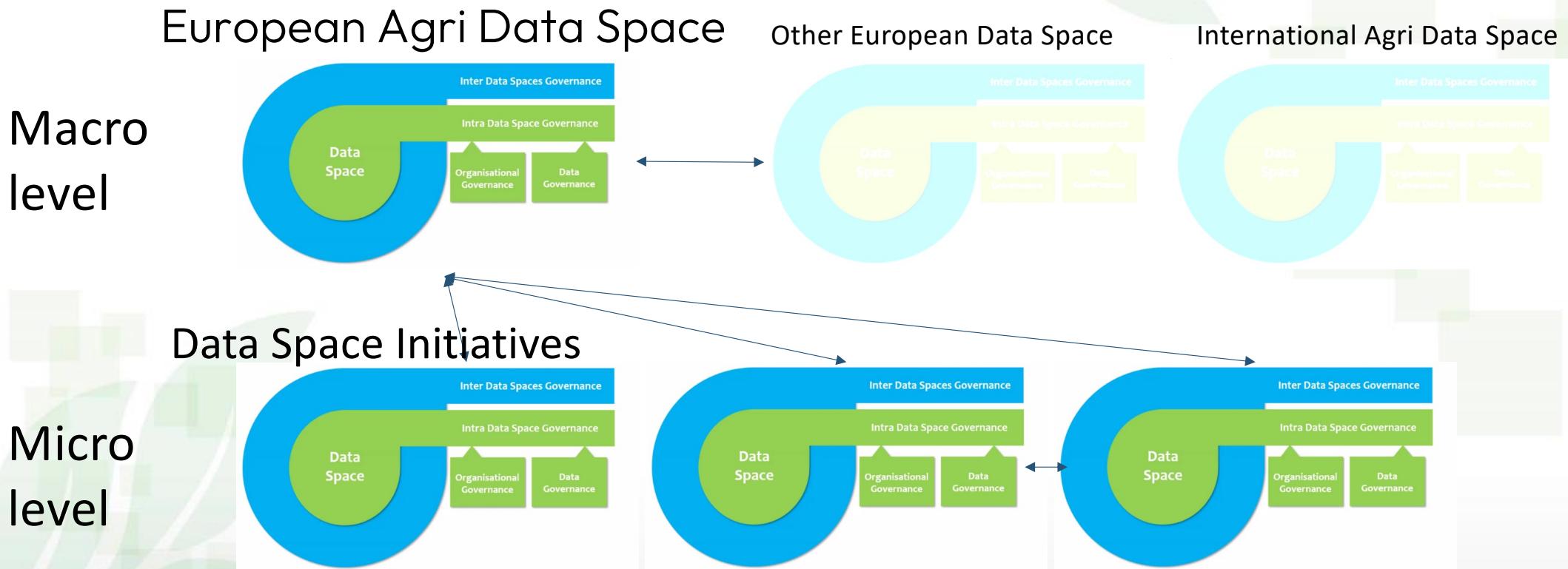
How?

Creating a network of **interoperable data sharing initiatives** with business models in data economy, responsible data sharing, digital inclusiveness, integrative artificial intelligence and cross-sectoral integration. The **decentralized approach** will reduce the complexity to ensure an easy onboarding for **public and private stakeholders** in the value chain. The **interest of farmers** will build the center of gravity of this approach.

What?

Develop guidelines for a data space that can be adopted by public and private sectors participants in an easy way. Define procedures to explain and implement **legal, technical and governance** issues. Support actors and organizations that facilitate and monitor the adoption of the guidelines.

Scenario for CEADS structure



Planned next steps for Potato-X in Common Agricultural Data Space (CEADS) project

Enhancing Machinery Data Sharing Across Europe (Use Case)

ILVO

Flanders Research Institute for
Agriculture, Fisheries and Food

Luke
LUONNONVARAKESKUS

**RI-
SE**
Research Institutes of Sweden

AEF
AGRICULTURAL INDUSTRY
ELECTRONICS FOUNDATION

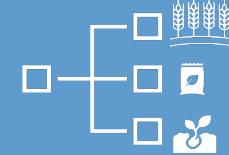
CEMA
European Agricultural
Machinery Association



agronod
agdatahub
JUST CONNECT
boer & data



Tritom®



Data
Space
Europe

PSNC

agdatahub

RUOKAVIRASTO
Lismedelsverket • Finnish Food Authority



AgIN

Agricultural
Interoperability
Network

over 1
million
farmers
in
Europe



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PRESS RELEASE

ILVO kicks off the first transnational agrifood Data Space

18/06/2024

Bridge between DjustConnect (Flanders - ILVO), Agdatahub (France), and Tritom (Finland – DataSpace Europe & 1001 Lakes)

For the first time, data-sharing platforms active in the agri-food sector are building a digital bridge to facilitate international data flows. This is a solution to problems that have arisen for farmers and businesses across Europe. It involves 3 data sharing platforms: DjustConnect from Belgium (Flanders), Tritom from Finland, and Agdatahub from France.

On June 18, 2024, the three parties signed a Memorandum of Understanding in Melle, Belgium. In this document, they commit to using the first successful interregional data flows as a foundation to support more cases, sectors, and data-driven companies across borders. They aim to develop a European Agricultural Data Space with efficient and fairly regulated connections between the platforms. ILVO is involved in Flanders.



