Setting Up Data Spaces as a Service



Thursday 9 February 2023

#dataspaces

www.gaiax.fi



Programme

13:00 (EET) 12:00 (CET)

13:00

Welcome

ANTTI 'JOGI' POIKOLA, SENIOR LEAD, GAIA-X FINLAND, SITRA

Empower Data Ecosystems

ANDREAS KRIMBACHER, CTO, NEXYO GMBH
NATASCHA TOTZLER, PRODUCT OWNER, NEXYO GMBH

Setting Up Data Space Technology in Minutes Instead of Months

SEBASTIAN BUSE, MANAGER BUSINESS DEVELOPMENT, SOVITY

Enabling Data Spaces

JUHANI LUOMA-KYYNY, BUSINESS ARCHITECT, DATASPACE EUROPE

Questions & Answers



Antti Poikola Senior Lead, Gaia-X Finland, Sitra



Sebastian Buse
Manager Business
Development,
Sovity



Andreas Krimbacher CTO, nexyo GmbH



Product Owner, nexyo GmbH



Juhani Luoma-Kyyny Business Architect, DataSpace Europe







Data spaces technology landscape 2023

Antti 'Jogi' Poikola

Lead Architect antti.poikola@sitra.fi Twitter: @apoikola



Data Space

Decentralised infrastructure for trustworthy data sharing and exchange in data ecosystems based on commonly agreed principles.



THE EUROPEAN DATA STRATEGY



Health



Industrial Manufac-

turing



Agriculture





Finance



Mobility



Green Deal



Energy



Public Administration



Skills





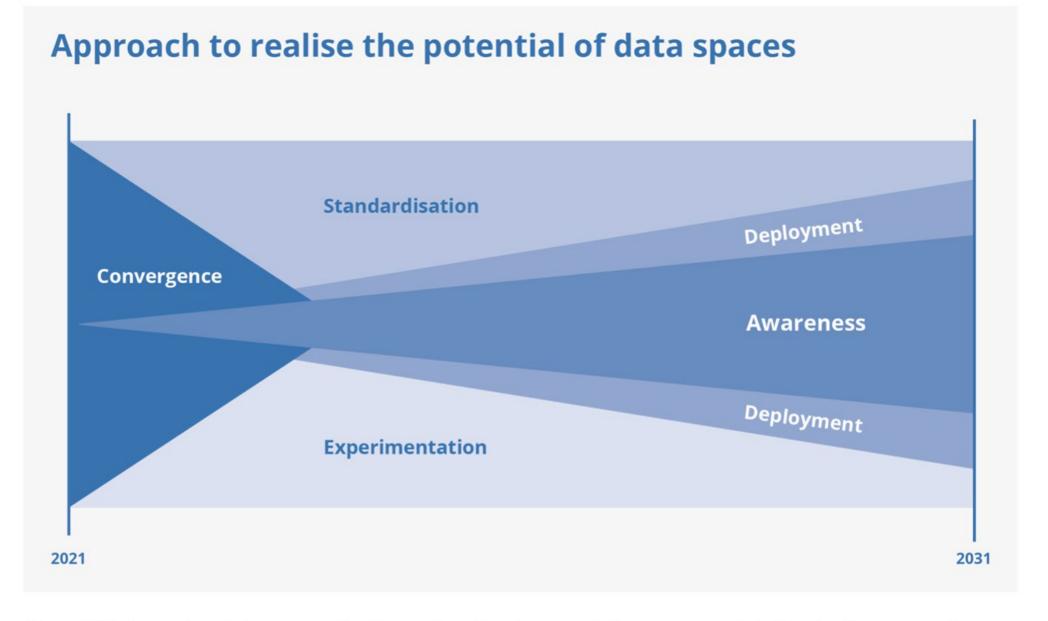
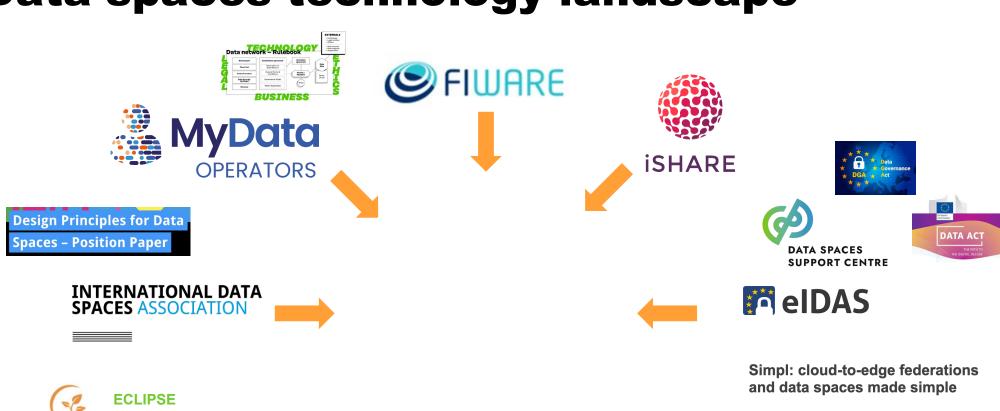


Figure 16 Schematic activity streams for the coming decade towards data spaces and their soft infrastructure (source: BDVA).



Data spaces technology landscape





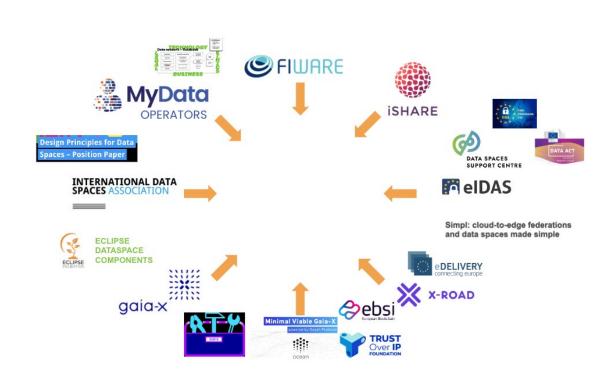




Data spaces technology landscape

Today: Examples of commercial technology offerings







Data Spaces Symposium & Deep-Dive Day

Building the future - benefit together

Postillion | The Hague March 21 to 23, 2023

Hosted by









Boosted by



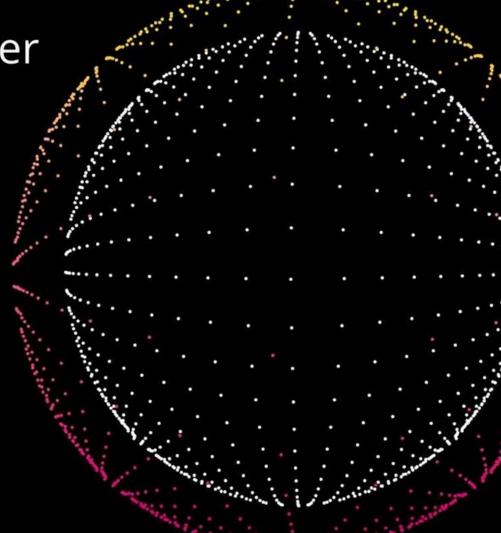
Supported by











Data Spaces Symposium & Deep-Dive Day

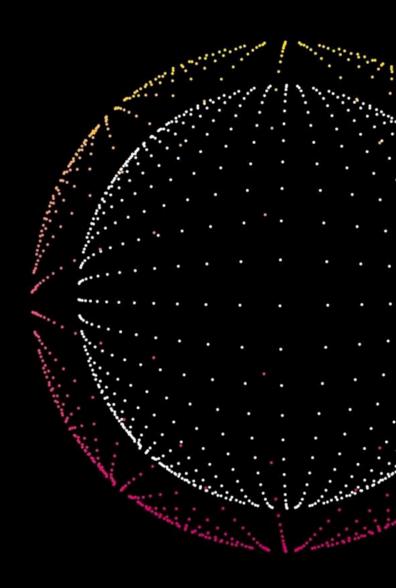
Postillion | The Hague March 21 to 23, 2023

The Data Spaces Symposium & following Deep-Dive Day is the fast stop for all relevant data sharing initiatives and efforts in one place.

- Listen to inspirational keynotes and panels to underline the holistic economic and societal impact of data spaces
- Learn from successfully running data space projects like SCSN and Catena-X Automotive Network
- Take part in top-level discussions to conduct the paradigm shift for the data economy
- Learn everything about data spaces from thought leadership to hands-on support to create true impact via data spaces

Sounds like an event not to be missed, right?

Get a first impression of the programme and make sure you get a ticket!





Thanks!

Antti 'Jogi' Poikola

Lead Architect antti.poikola@sitra.fi Twitter: @apoikola





Empowering Data Ecosystems



Let's start a data driven future:

We believe that we can create a new reality.

A reality in which data is connected and creates value and innovation.

A reality in which data becomes an ecosystem.

FIND US HERE

Ungargasse 46/3, A-1030 Vienna www.nexyo.io info@nexyo.io

Your Presenters today



Andreas Krimbacher
CTO & Co-Founder





Who we are



nexyo is a Vienna based deep-tech data company delivering an innovative, unified and scalable platform for distributed data – manage and share your data with one single solution.



Founded in 2020



Located in Vienna



Successful Pilot Projects



High Profile Team



Paying Customers



Tech Partner for Austrian Lighthouse project

What we stand for











Building Trust



Our Buildingblocks





Digital Data Sovereignity



Make Assets to Offers with Policies



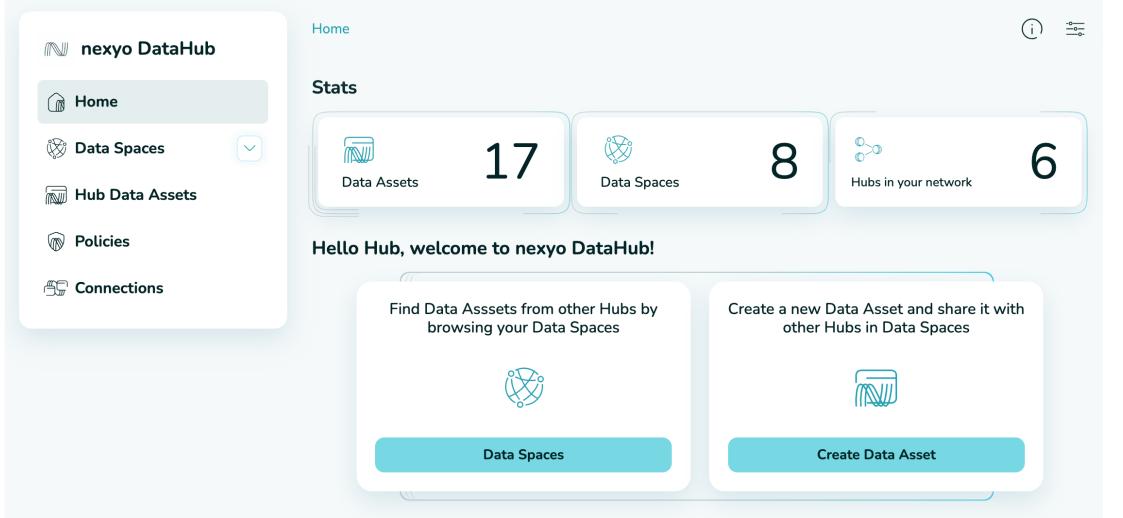
Decentralized Architecture

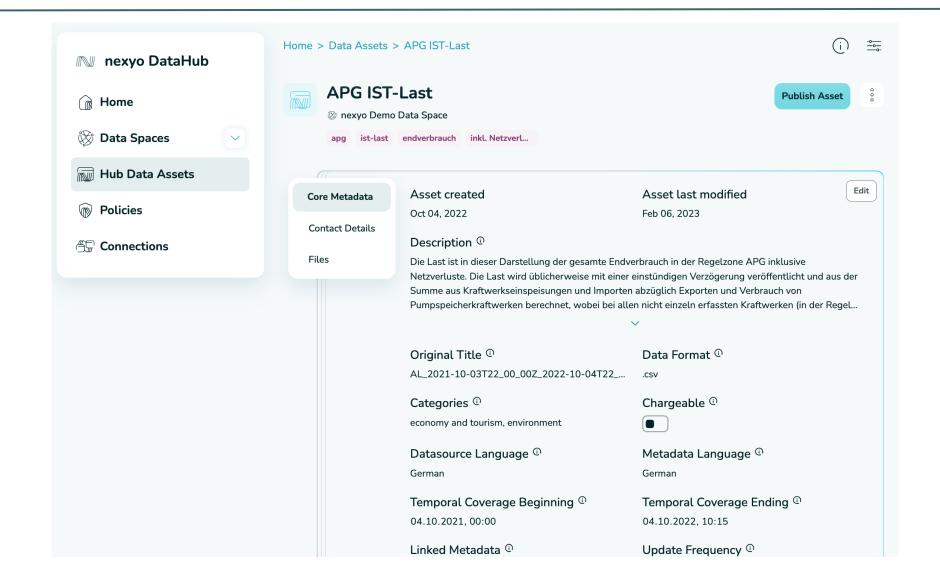


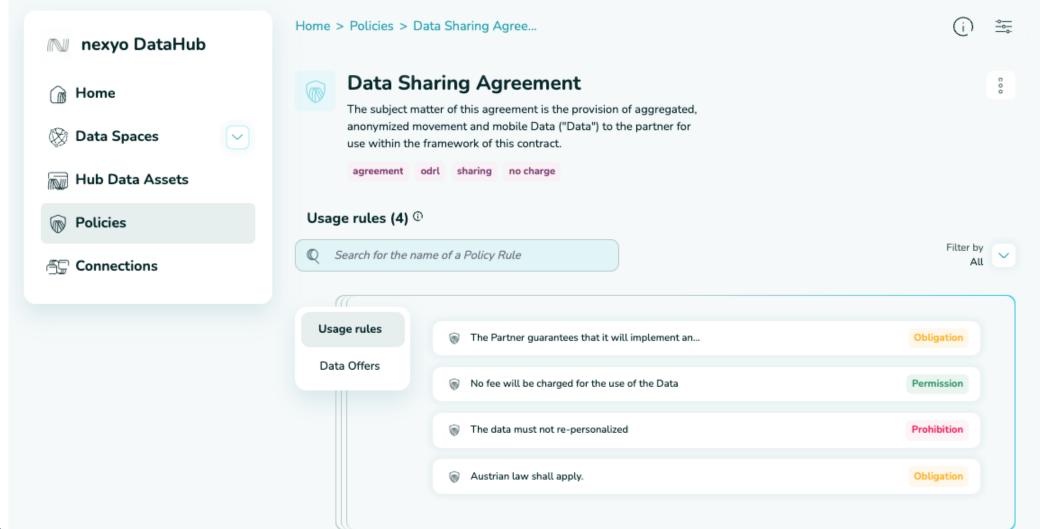
High Usability for Non-Technical Users

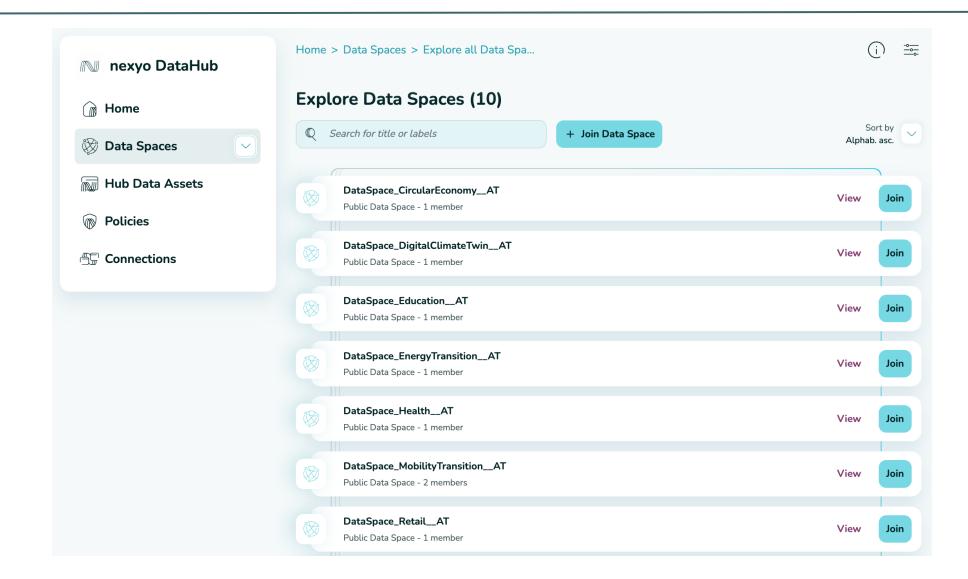


Interoperability with Others



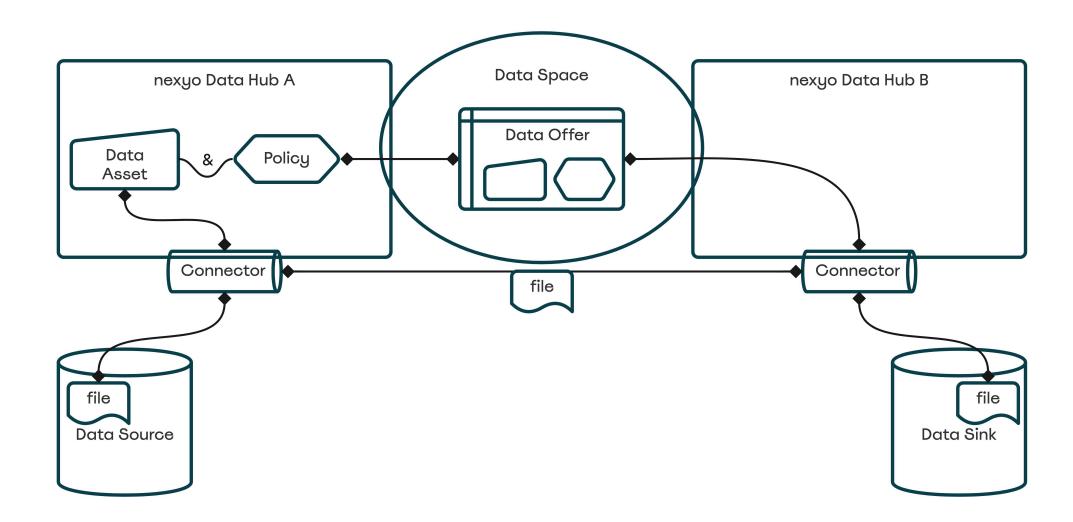








Technical Approach



The Components









INTERNATIONAL DATA SPACES ASSOCIATION



Unleash your potential - not your data.



Setting up data space technology in minutes instead of months



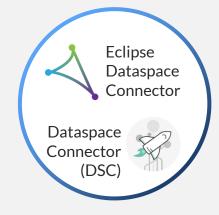
Let's connect!

sovity – the first company explicitly founded to enable easiest access to Data Space technologies



Data sovereignty experts

Team of experts shapes
Data Space technology since
day one



Best technology

Connector based on latest open-source software enriched with key features



Part of key initiatives

sovity shapes the standard of sovereign data exchange with important initiatives



Strong network

Customers and partners give strong evidence to team and tech



Why not simply exchange data to create value?



Expensive implementation







Data Spaces solve given problems



Standardized build common basis for data ecosystems



Scalable connect various sources, apps & partners



Decentralized keep data stored on data owner's side



Data Sovereign define & enforce Usage Policies



Example



What is CO₂
footprint
of a car?

Use case requirements



Scalable solution: 1000s of sources

data from various partners, sources & systems integrated

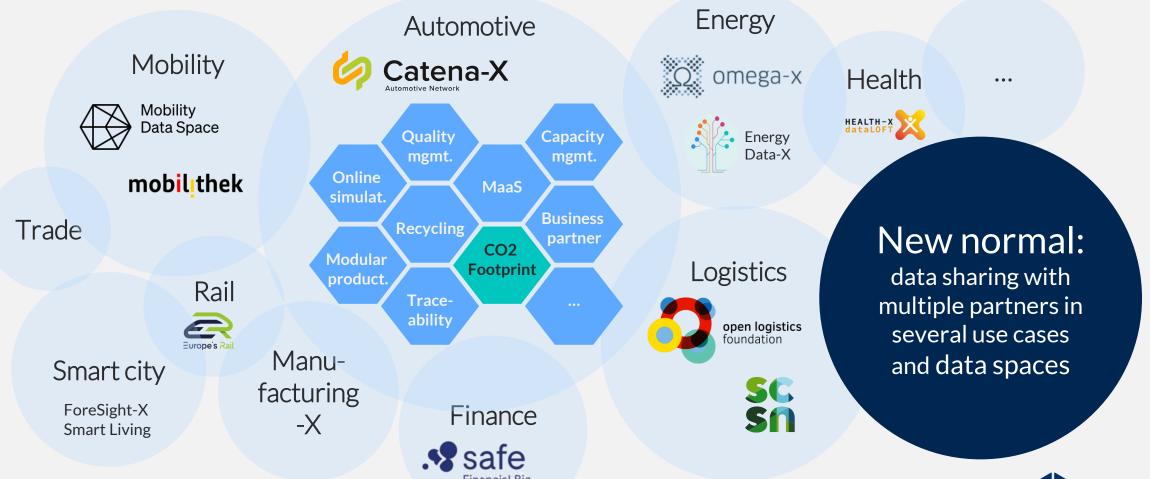


Share sensitive business insights

e.g., energy consumption, sources, transport routes



Countless Data Spaces and use cases across all domains arise



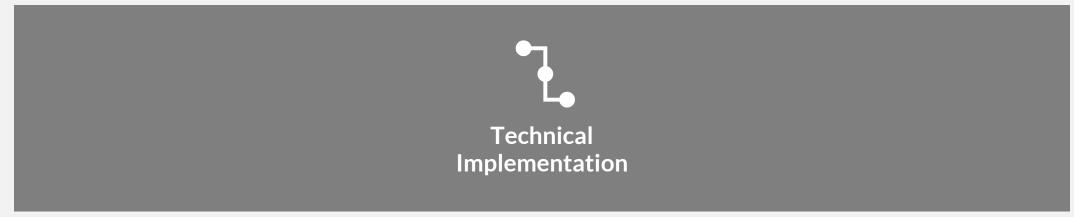


Building a sustainable Data Space



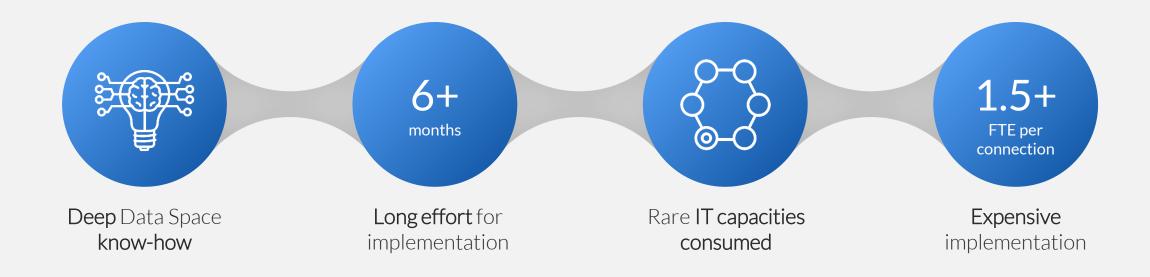








Today's obstacles: Only very few companies can become expert in deep-tech Data Space software





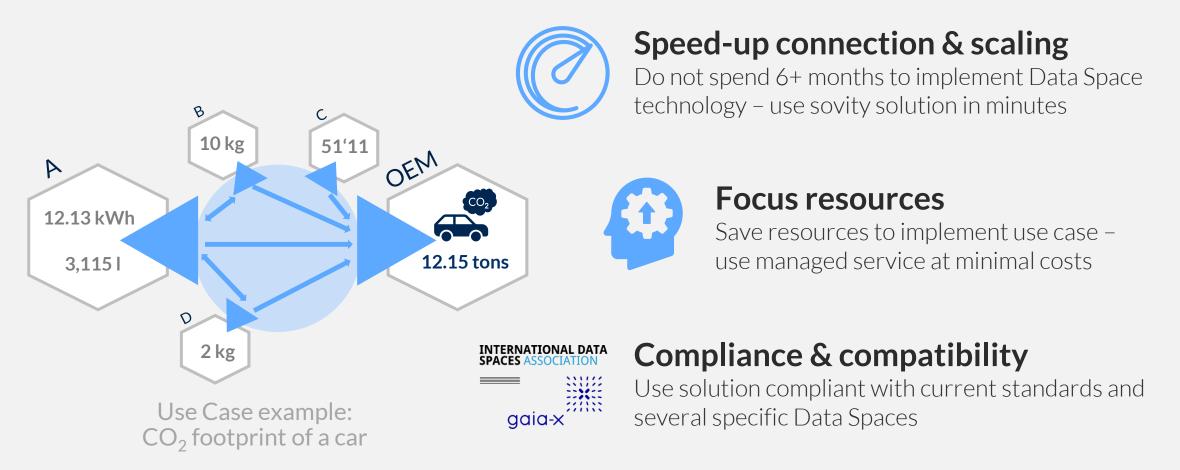
Hurdles for takeoff & causes of project delays



- ? Compliance with Standard
- ? Compatibility with other Spaces
- ? Reliable operation
- ? Scaling / Rollout of Ecosystem

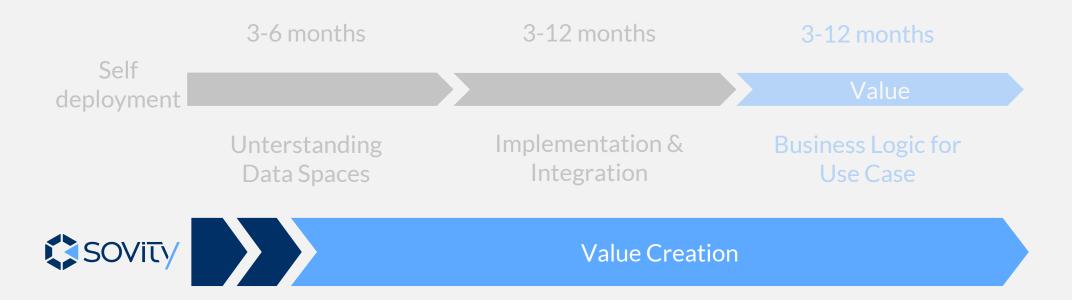


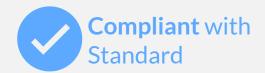
Leverage Software-as-a-Service by sovity to fully focus on use case



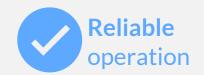


Fastest implementation of sustaibale Data Spaces and use cases













Demo today: Data consumption in Data Space with Connector





Key requirements covered in shortes time



Highly automated deployment



User-friendly web frontend



EDC Connector



Data Sovereignty



Integrated with Data Space



IDSA & GAIA-X Compliance

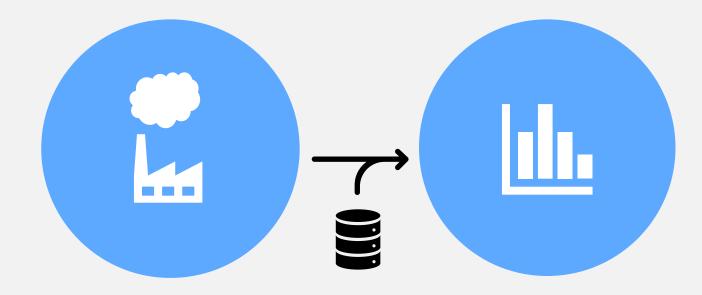


Use Case



What is CO₂ footprint of a car?

Situation & Actions



Emission Data of supplier

Calculation of emissions



Lowest barriers to data sovereignty



Professional product:

Use reliable product with security & value-add features (e.g. user management, middleware)



Scalable solution:

Quickly connect sources & partners to standard technology and exchange data



Open-source core:

Use widely compatible opensource technology without vendor lock in

e.g. compatible with Advaneo, Nexyo



Your link to using newest Data Space knowhow

Technology shaping

Active contribution with open-source software and shaping of standard



sovity open-source Connector

Community edition based on EDC Connector



EDC Connector

Contribution with key extensions for Eclipse Dataspace Components



International Data Spaces Association

Design standard of sovereign data exchange and ecosystem

Data Space development and operations

Involvement and support for several Data Space initiatives



Mobility Data Space

Development of Data Space components and service provider

Catena-X

Onboarding to Data Space and operation of Connector-as-a-Service



Design & operation of Data Spaces for Use Case PoCs





Let us accelerate the new category of data sharing!

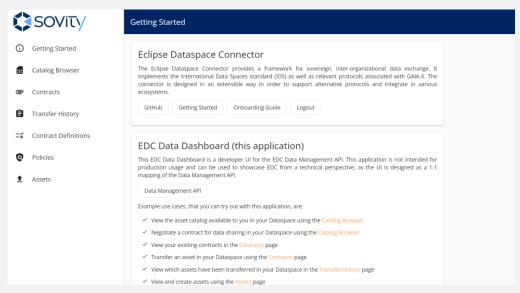
Thank you

Sebastian Buse | Manager Business Development

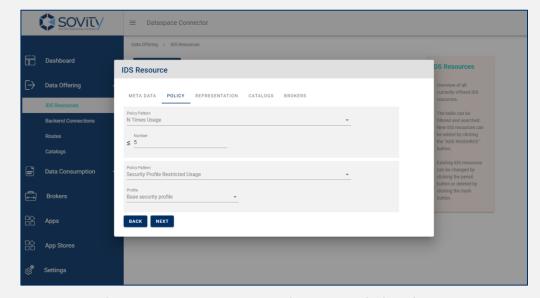
Sebastian.Buse@sovity.de +49 176 60380643 <u>LinkedIn</u> | <u>www.sovity.de</u>



Demo: Experience easy usage of sovity Connectors



Short demo: Experience how to easily create and consume data offerings



Long demo: Experience the <u>rapid deployment</u>, <u>definition and enforcement of usage policies</u>

Used by our customers in:









DataSpace Europe

Setting up data spaces as a service 9.2.2023
Juhani Luoma-Kyyny

DataSpace Europe Oy

We develop and deliver data intermediary services defined in the EU Data Regulation

Our solution, the Tritom, enables new services in selected customer segments

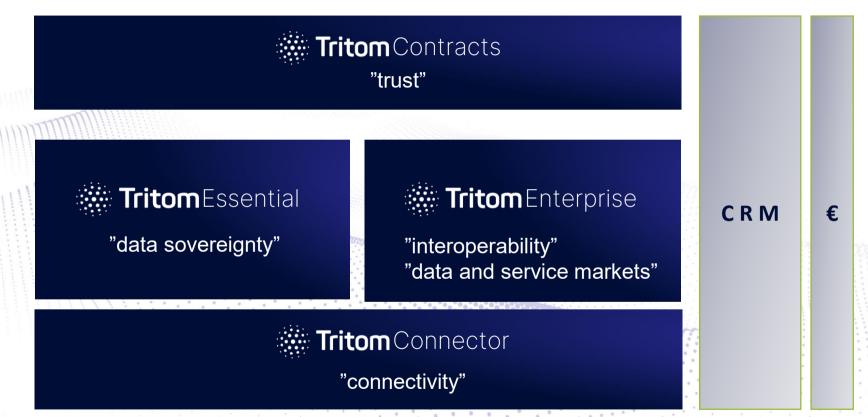
Agri/food is the first domain where we operate, new domains will be covered during 2023

- Est: 15.6.2022 Helsinki
- Member of IDSA and GAIA-X
- Owners: MTK ry, Cinia Oy, JSK Kiinteistöt Oy, Tikura Ventures Oy
- Funding: owners, The Finnish Climate Fund, Business Finland
- CEO Kari Järvinen
- COB Antti Kivelä





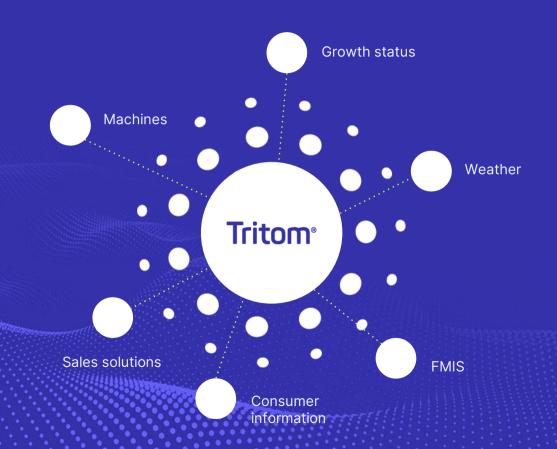






Tritom - the first domestic data intermediary service in the dataspace now connects Finnish food industry operators from agriculture to authorities and research institutes, and from the food industry to retail trade and the consumer.

Tritom's most important mission is to improve the sustainability, efficiency and profitability of all operators.



THANK YOU!

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