

WEBINAR

Data sovereignty & data governance: how can data holders stay in control?

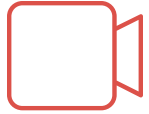
The logo for Data Europa Academy, featuring the text "data.europa academy" in white lowercase letters, with small colored dots above the 'a' in "data" and "europa". The logo is positioned within a dark blue circle, which is part of a larger graphic consisting of overlapping light blue and dark blue circles.

data.
europa
academy

22 March 2024

10.00 — 11.30 CET

Rules of the game



The webinar will be recorded



For questions, please use the ClickMeeting chat.



Please reserve 3 min after the webinar to help us improve by filling in our feedback form

Introduction



Hans Graux
Lawyer IP, IT and data
protection law,
Partner at Timelex



Gard Thomassen
IT Director
University of Oslo



Jaana Sinipuro
Chief Executive Officer
DataSpace Europe Oy



Juhani Luoma-Kyyny
Business Architect
DataSpace Europe Oy

Agenda

10.00 – 10.10	Opening and introduction <i>Hans Graux</i>
10.10 – 10.40	Norwegian Trusted Research Environment <i>Gard Thomassen</i>
10.40 – 11.10	Data intermediation services – DataSpace <i>Jaana Sinipuro & Juhani Luoma-Kyyny</i>
11.10 – 11.25	Q&A session
11.25 – 11.30	Closing statements

NORTRE



UNIVERSITY
OF OSLO



UNIVERSITY
OF BERGEN

AGENDA

- What is NORTRE – Norwegian Trusted Research Environment
- TSD – Services for Sensitive Data, University of Oslo
 - Status
 - Examples of data sharing from the TSD-view
 - How to build and operate a TRE / SPE
- FAIR sensitive data
- Road ahead

NORWEGIAN TRUSTED RESEARCH ENVIRONMENTS

- NORTRE= Services for sensitive data (TSD) + Hunt Cloud + Safe
- Collaboration between University of Oslo, University of Bergen, NTNU, UiT – The Arctic University
- Secure storage and analysis with federated trust between platforms
- Simplify data movement between platforms
- Interoperability between platforms



TSD – SERVICES FOR SENSITIVE DATA

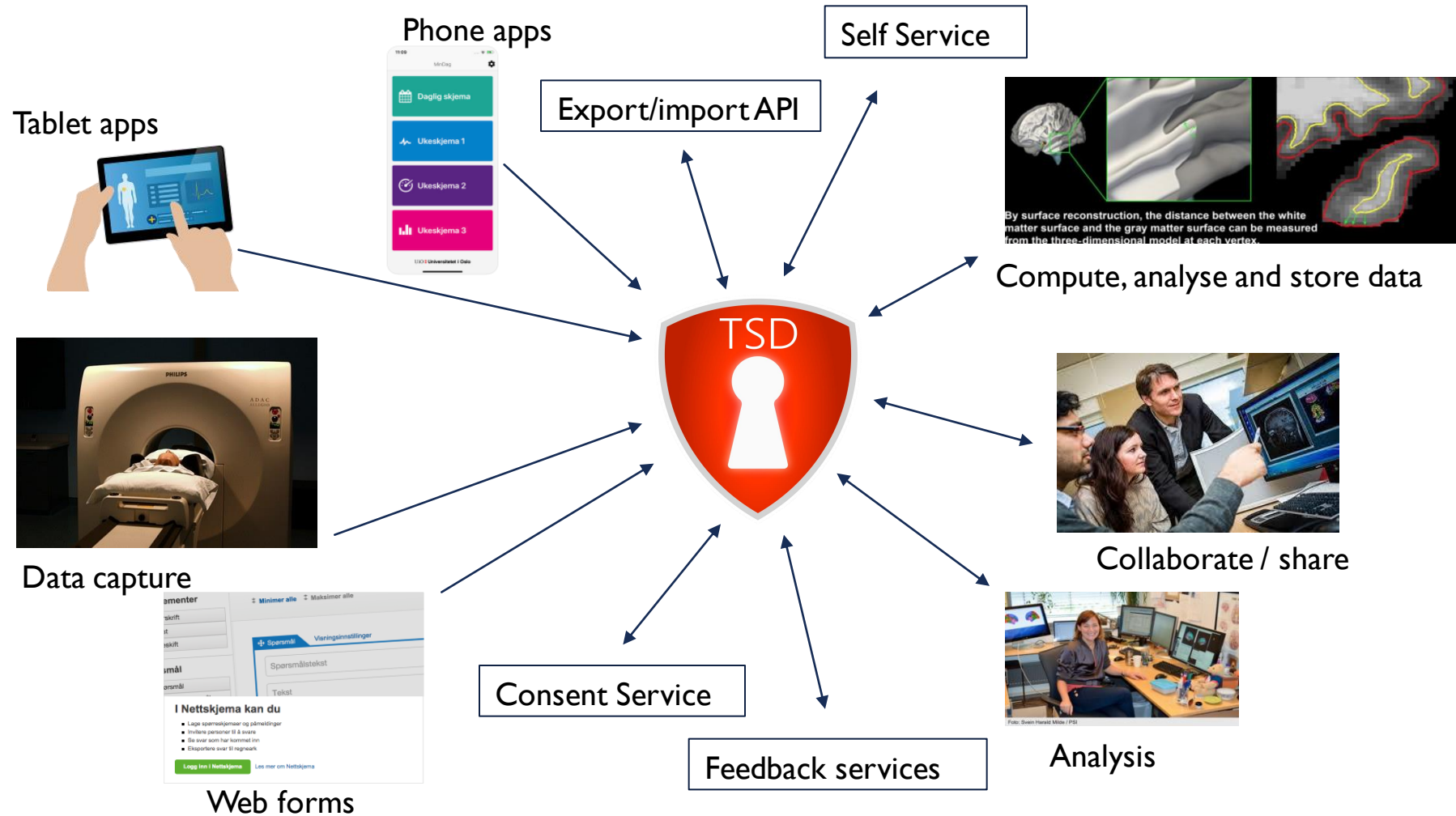


UNIVERSITY
OF OSLO

- 8000 users, over 1800 active research projects
- 90 institutions, multiple countries
- Secure Platform as a Service (PaaS)
 - HPC
 - Databases
 - Virtual desktops
 - Survey and consent solution
 - Apps
 - APIs
 - Daily import of 1+TB data
 - 8+ PB storage



TSD SERVES THE ENTIRE RESEARCH PROCESS



BACKGROUND

Aftenposten

Nyheter

Meninger

Podkast

A-magasinet

Vink

Søk



Norge | E-helse

Direktorat vraker IT-prosjekt etter å ha brukt 200 millioner kroner

Direktoratet for e-helse leide inn konsulenter for å lage en plattform for å dele helsedata. Etter at store summer er brukt, blir prosjektet nå skrotet.





TSD

Services for Sensitive Data

Log into TSD

TSD username

Password

[Reset password](#)

One-time passcode (OTP)

From Google Authenticator

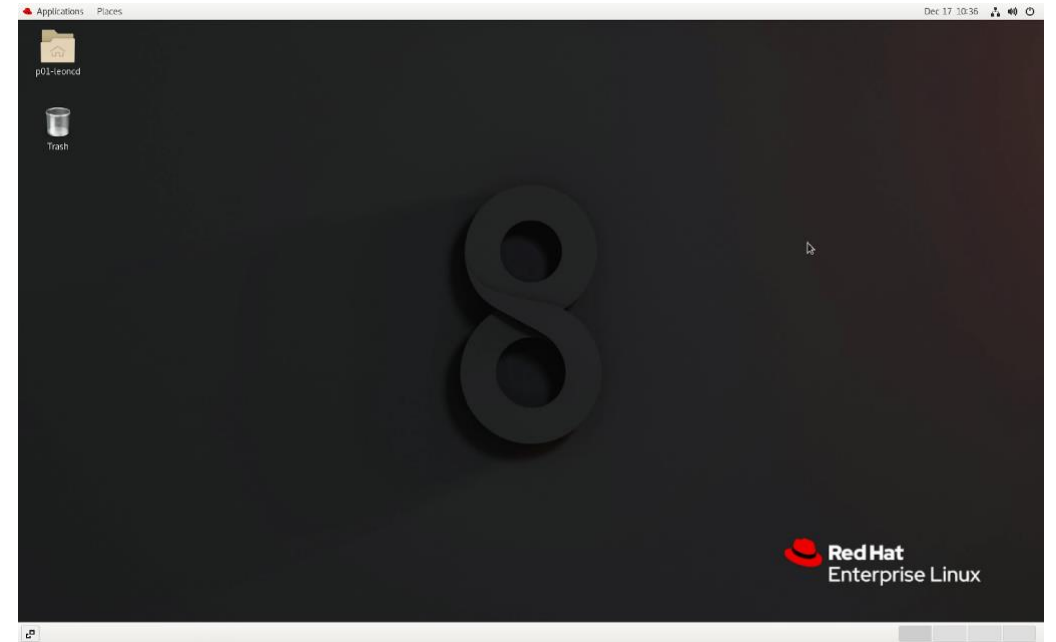
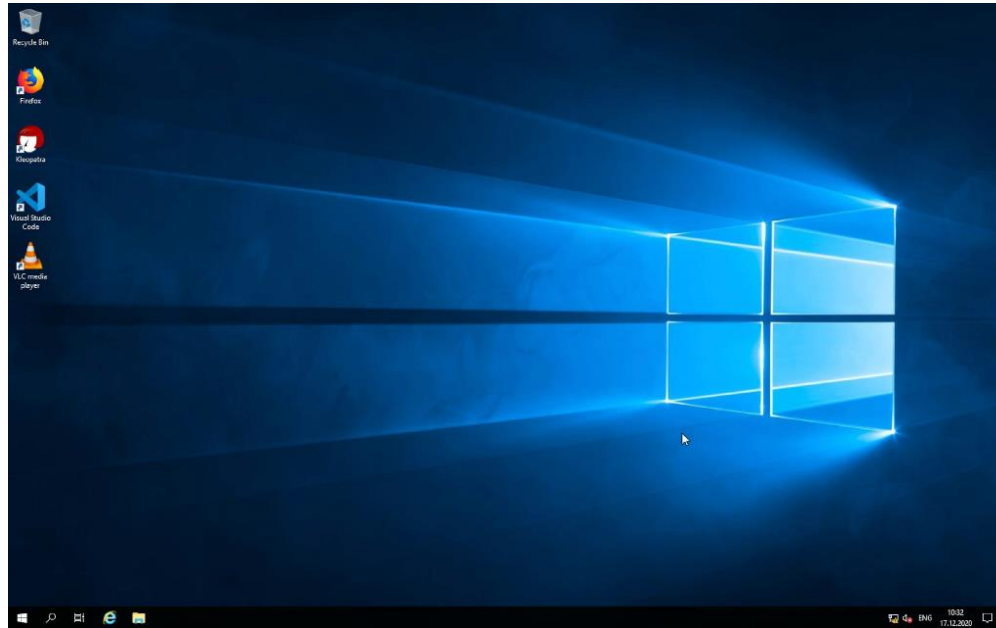
[Reset OTP](#)

Log In

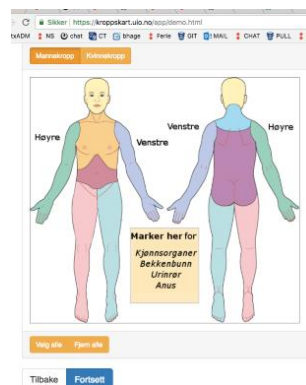
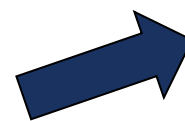
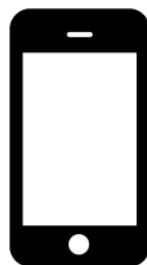
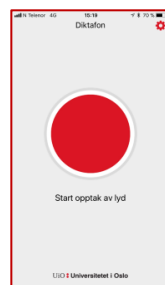
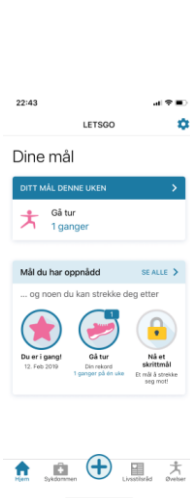
TSD - SOFTWARE



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OF OSLO



TSD DATA COLLECTION



TSD / Data Portal

Import and export project research material



Import Files

Upload files into your project area.



Export Files

Download files from your project area.



Record Video and/or Audio

Capture and upload data from camera, microphone, computer screen or speakers, into your project area.



Contact us

tsd-contact@usit.uio.no

Responsible for this page

[Services for sensitive data \(TSD\)](#)

Help

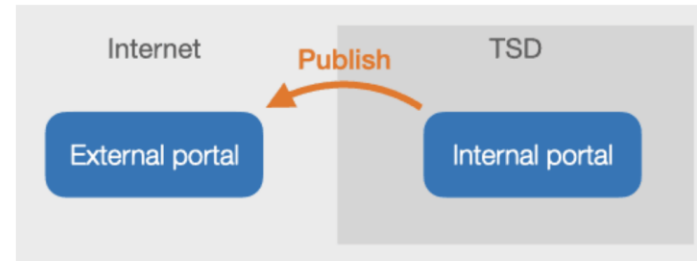
- Audio/Video
- start
- Start
- Tables
- tsd-video

Share data with associated members with TSD Publication Portal

The **TSD Publication Portal** lets you share data inside of TSD with persons without a TSD account. The process is called ‘publication’.

Table of Contents

- [The Publication Portal](#)
- [Share files with individuals](#)
- [Share files with groups](#)



The Publication Portal

- An internal portal where project members with publishing rights select which files are to be shared with whom. Inside your TSD-project, open the following link, in a browser: <https://internal.publication.tsd.usit.no/>
- [An external portal where the selected files are available to the selected recipients.](#)

[✕ Reset](#)

👥 Groups

Search group



Rikshospitalet, Blodsykdommer

👤 Persons

Search person



📁 My files

Search file

[🔗 My files \[2\]](#)[👤 Files about persons \[6\]](#)

File name ⬆

Publisher ⬆

Published ⬆

Expiry ⬆

Usages

[📄 report1.txt](#)

—

2021-07-07 15:26

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[📄 report2.txt](#)

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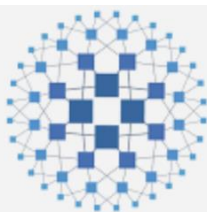
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FreeBSD



HAPROXY



NGINX



JS



podman



docker



SQLite



PostgreSQL



RabbitMQ



Avdeling for medisinsk genetikk

Avdeling for medisinsk genetikk er landets største medisinske genetiske avdeling og arbeider med utredning av arvelige sykdommer og forskning på arvelige årsaker til sykdom.

[Les om Avdeling for medisinsk genetikk →](#)



**IMPRESS-Norway -
clinical trial for cancer
patients**



Care for your patient

Do you provide support for malnourished patients?

TSD – BUILDING INFRASTRUCTURE IN TRL

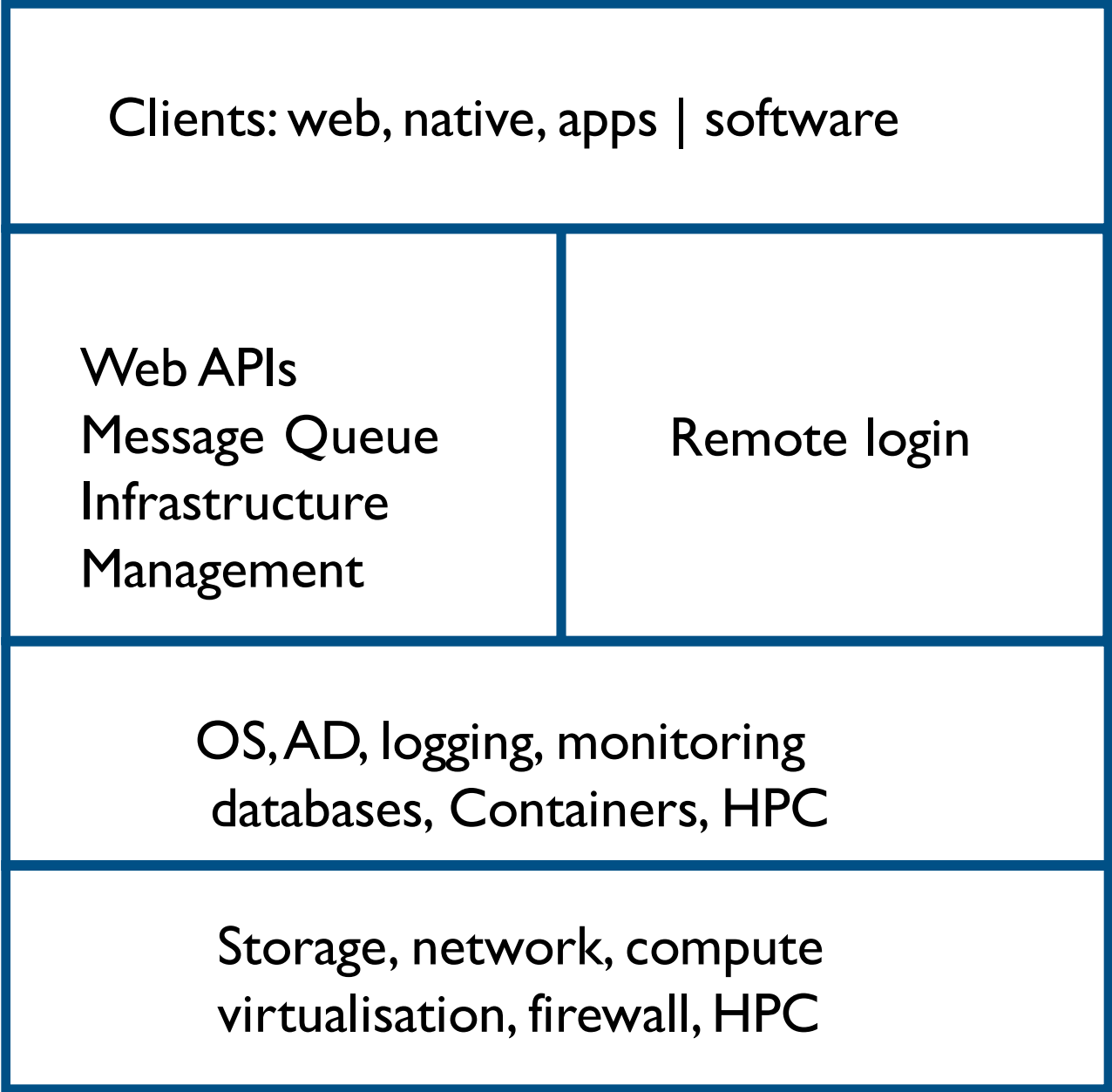
- Build a specific solution for a paying customer, refactor, generalise, resell
- Every internal service should be externalisable, APIs for everything
- Do things that do not scale when they have a high impact
 - Software installation
 - Data management
 - Advanced user support

Clients

Interfaces
and applications

Infrastructure integrations
and management

Infrastructure

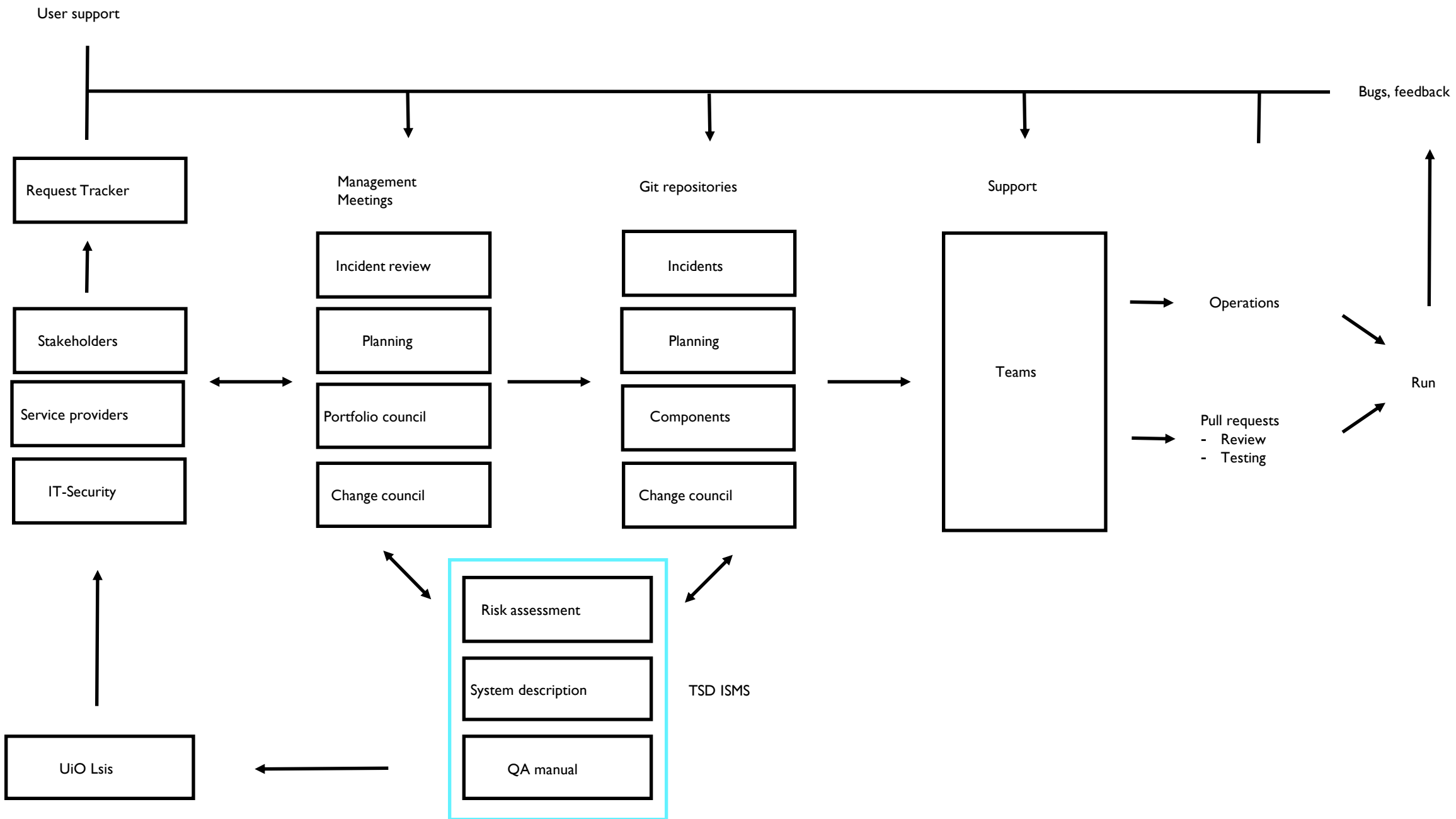


**DEV,
Support**

Research
Services

OPS

Datacenter



Identity	Remote login	Development
Compute	API hosting	Data sharing
Storage	APIs	Consulting
Backup	Access control	/Support
Data collection	Hardware hosting	

FAIR sensitive data ?



FAIR sensitive data ?



Metadata



Some-data-portal.eu

FAIR sensitive data ?



Metadata



Some-data-portal.eu



Access committee



Citizen / researcher



EBRAINS

The logo for BY-COVID features a red square with a white gear-like shape inside, from which a blue arrow points to the right. To the right of this icon, the text "BY-COVID" is written in a bold, white, italicized sans-serif font.

BY-COVID

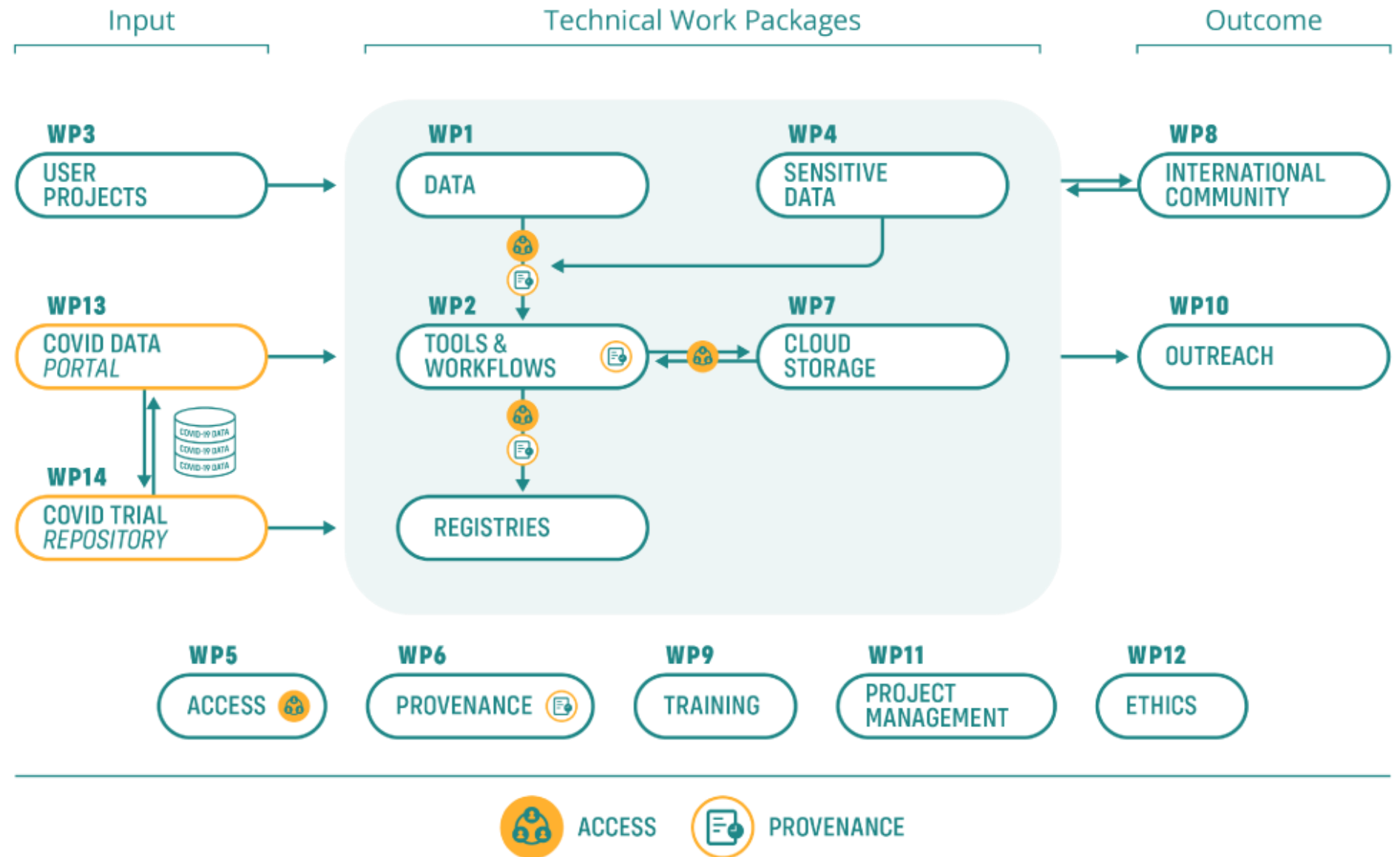
Four white circles are arranged horizontally across the center of the image. Each circle contains a large blue number and a smaller blue text label below it. The background is a gradient from pink on the left to blue on the right, with a network of thin white lines and dots connecting the circles and extending across the entire frame.

€12
million

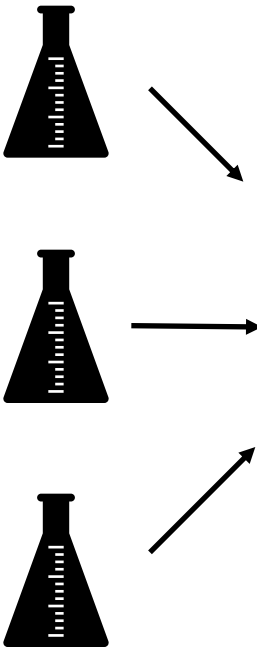
53
partners

19
countries

36
months



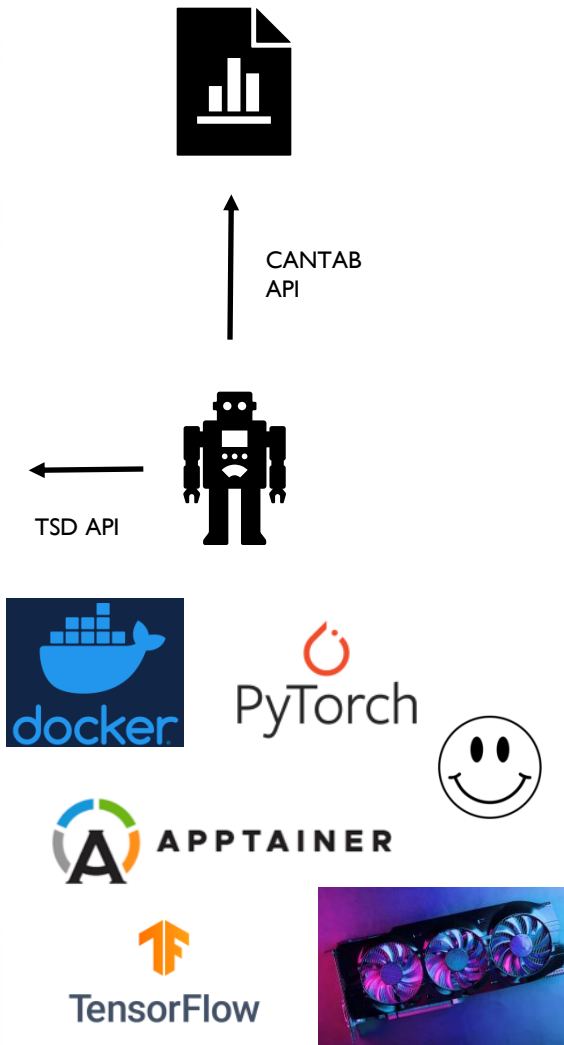
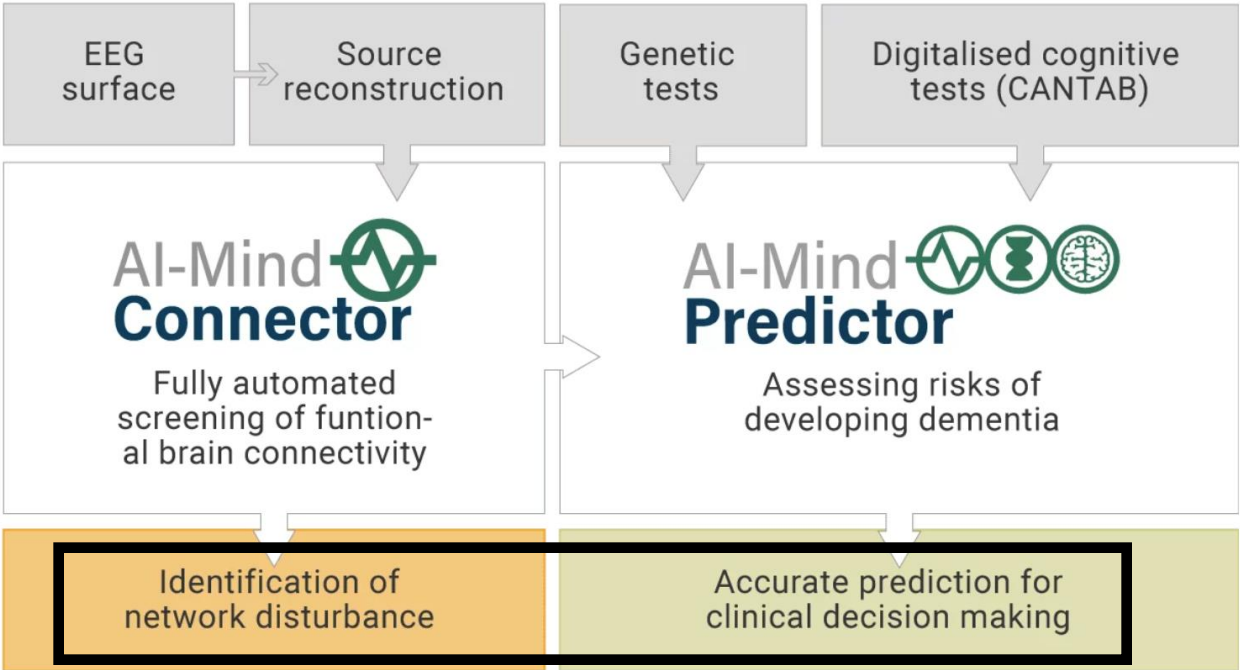
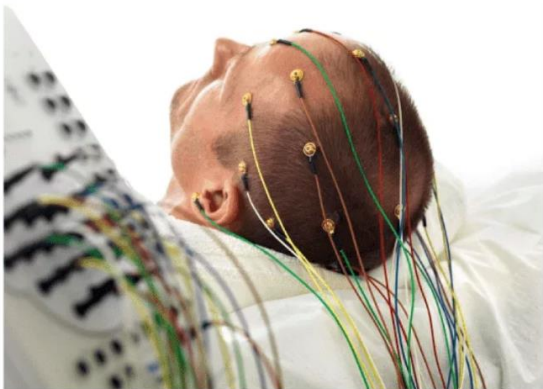
<https://data.tsd.usit.no/i/265ce083-2d47-4818-868c-dfee4fdf699c>



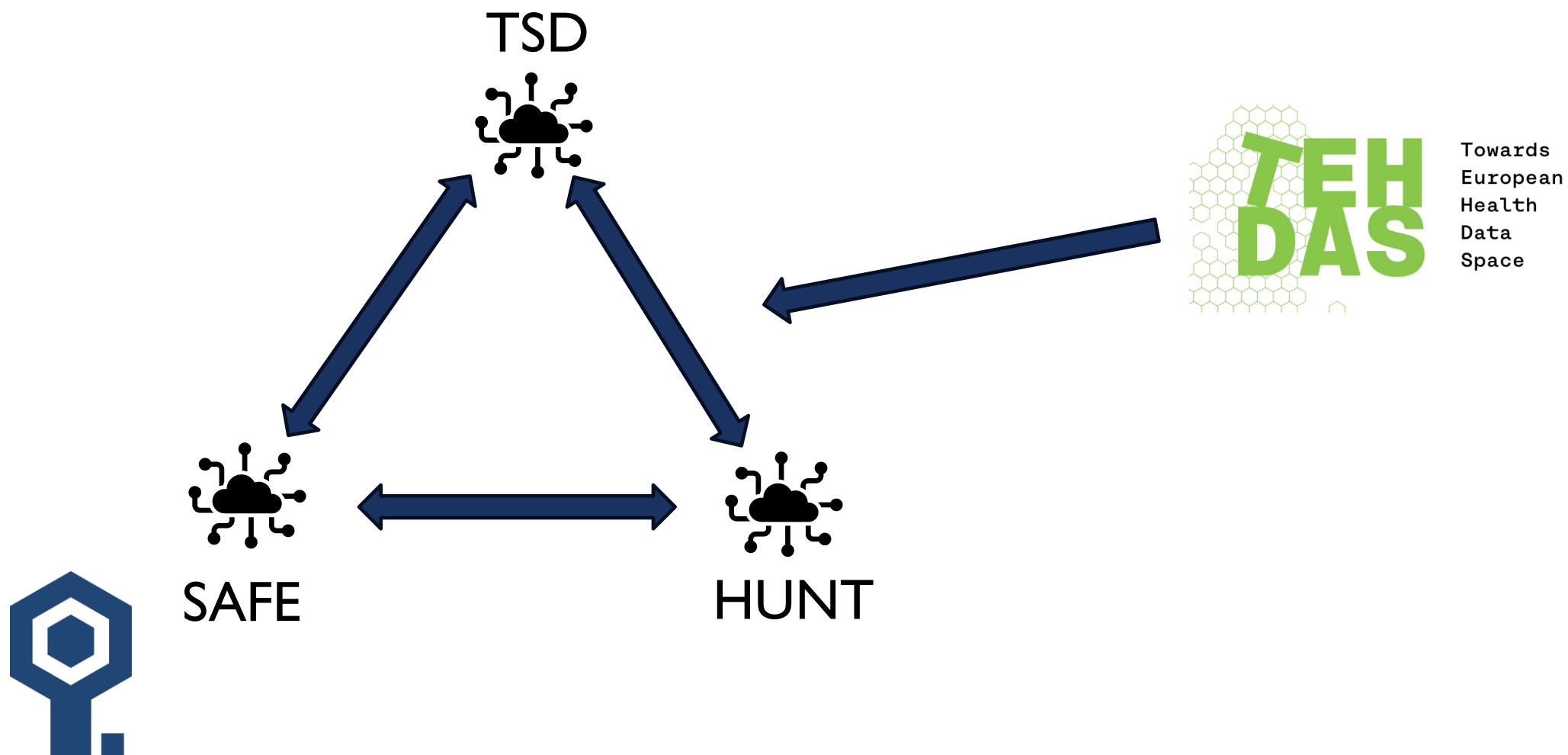
DATA INPUT

**AI-BASED
DIAGNOSTICS
SUPPORT**

OUTCOME



SHARING – FURTHER DEVELOPMENT AS PART OF EOSC-ENTRUST



[HTTPS://WWW.UIO.NO/ENGLISH/SERVICES/IT/RESEARCH/SENSITIVE-DATA/INDEX.HTML](https://www.uio.no/english/services/it/research/sensitive-data/index.html)

THANKS

gardot@uio.no





DataSpace Europe

Profitable business from collaborative data.

Jaana Sinipuro, CEO
Juhani Luoma-Kyyny, Enterprise Architect



Data
Space
Europe

DataSpace Europe Oy is a pioneer of data spaces in Europe.

Our vision is to be Europe's leading data intermediary, which enables the creation and development of data ecosystems in accordance with the principles of a fair data economy.

We develop and offer data intermediation services across Europe for various industries, and we support organizations in the development of data-driven business.

We work daily for a fairer data economy with European networks.

Our solution is the lightweight but reliable data intermediation service Tritom® that complies with EU requirements.

Europe's first data intermediation service registered in Finland

Published 15.01.2024 8:55

Finnish DataSpace Europe is the first data intermediation service registered in Europe.

Finnish Transport and Communications Agency Traficom confirmed at the start of January the company's registration and that it fulfils the conditions of the Data Governance Act. Data economy grows fast and new operators are needed so that Finland can act as the leading country in data economy in the future.

The national legislation based on the Data Governance Act came into force in full on 2 January 2024 when Traficom opened the electronic registration service for data intermediation services. The purpose of data intermediation services, as independent parties, is to enable data to move as agreed between different operators and applications. If a company wants to offer data intermediation services according to the Act, the operations must be registered at Traficom. Traficom delivers the information to the EU Commission that keeps a public register of all providers of data intermediation services.



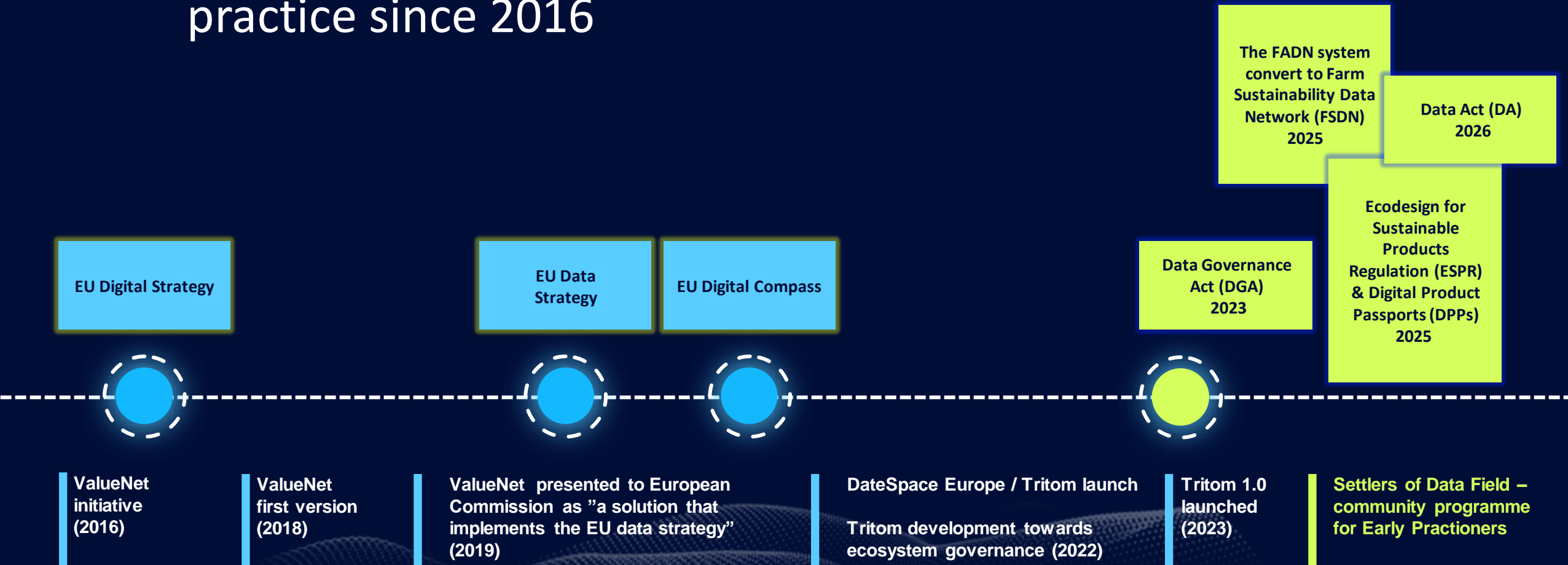
JSK Kiinteistöt Oy Tikura Ventures Ky

BUSINESS
FINLAND



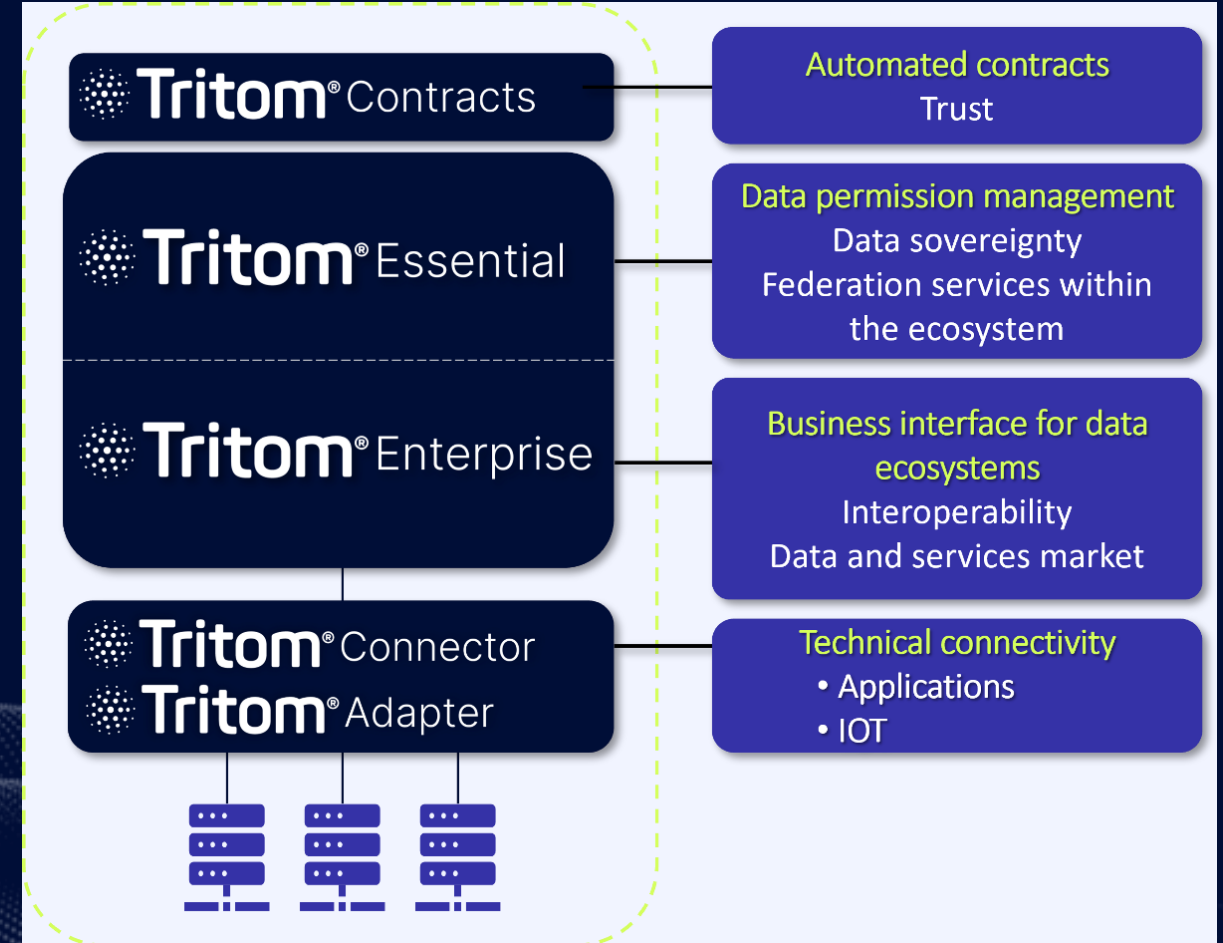


Finland has been implementing fair data principles into practice since 2016





Tritom[®] solution



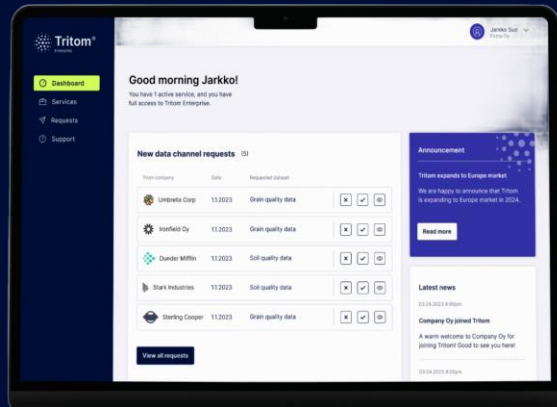


Data
Space
Europe

Tritom ecosystem

Tritom® Enterprise

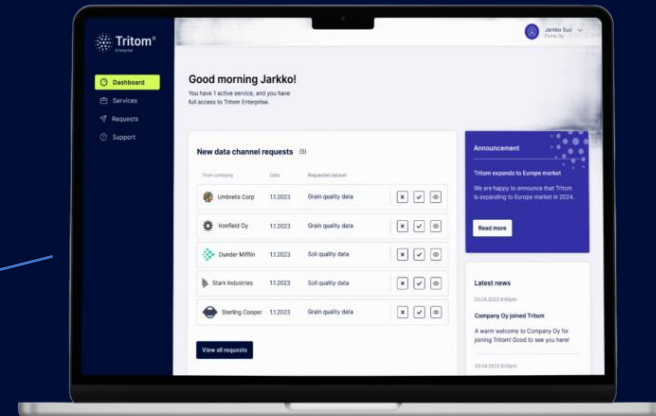
Service agreement



Organization A

- Data descriptions
- Terms of Use

- Acceptance of terms
- Request to open data channel

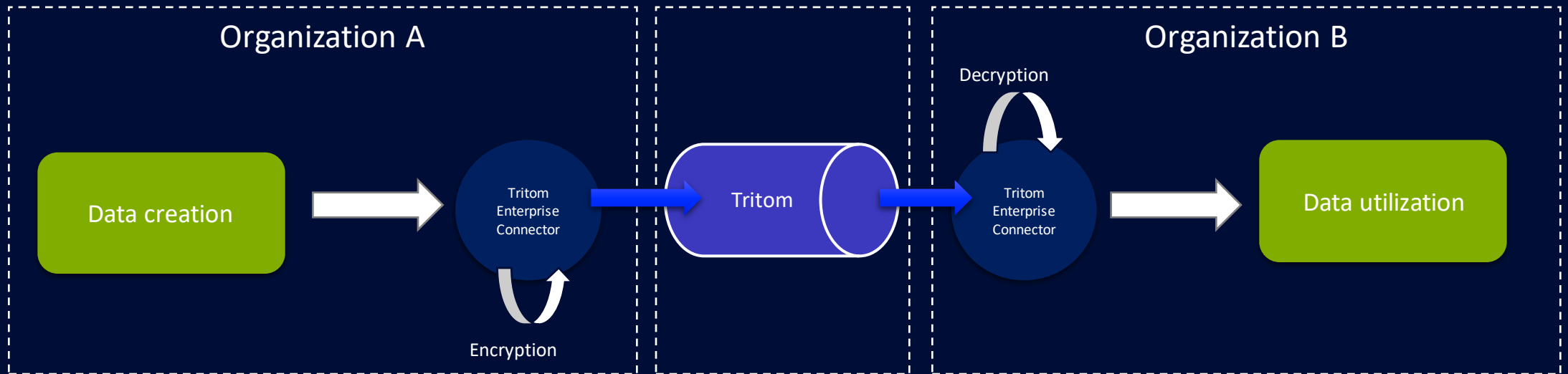


Organization B

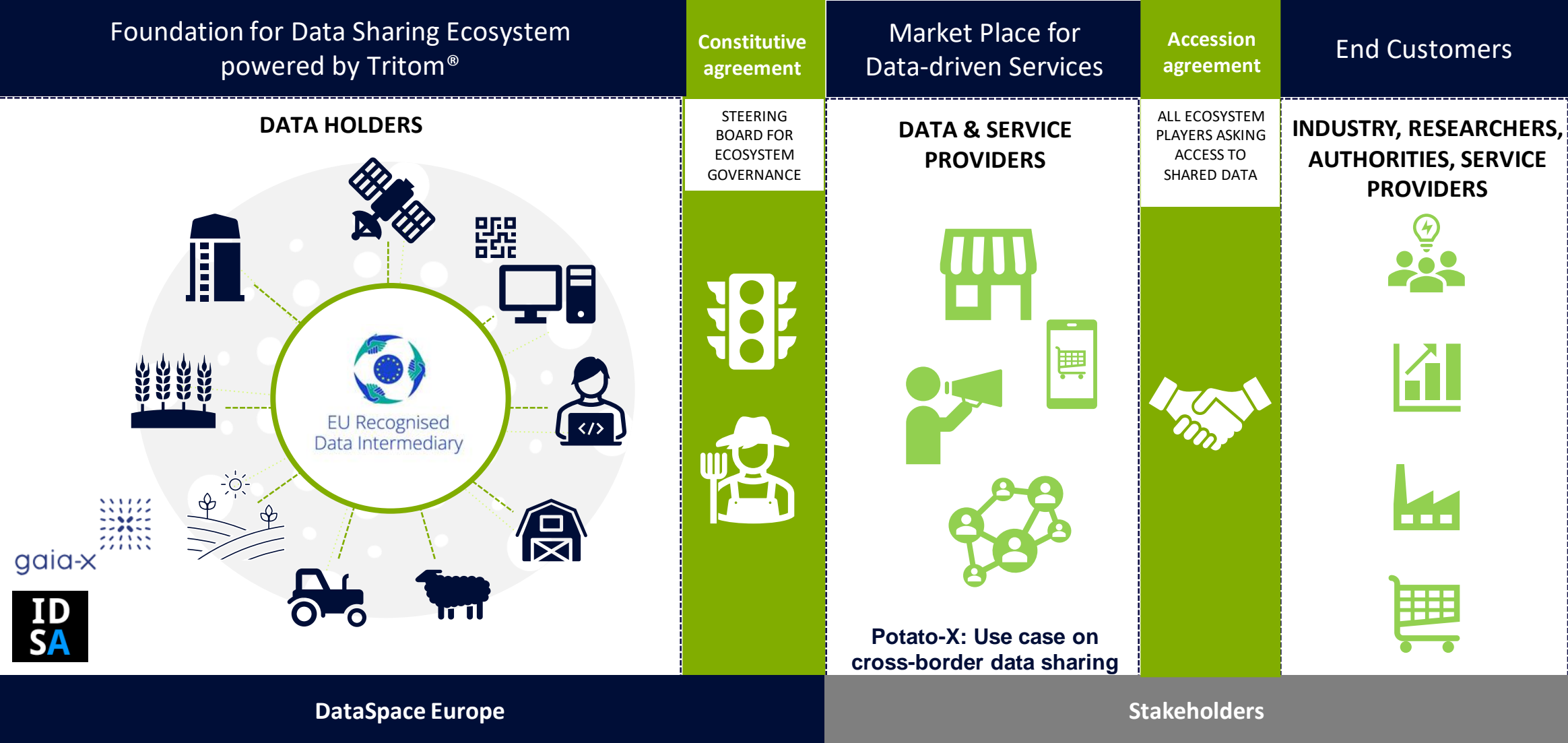
Tritom ecosystem



Tritom flow



Revolutionizing Business Ecosystems: Introducing Europe's Premier Data Intermediation Service





Use case - farming

The farmer needs to make a decision whether to use additional fertilizing.

What are the methods?

- Tradition ("this is the way")
- Luck – good or bad
- Fact?

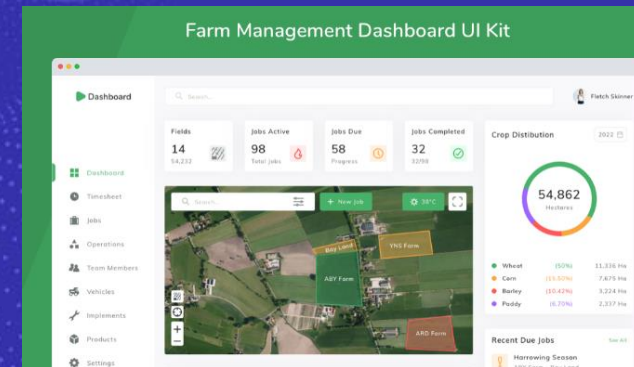


AI based crop potential forecasting solution



The Most Advanced Wireless Soil Moisture Sensor For Agriculture

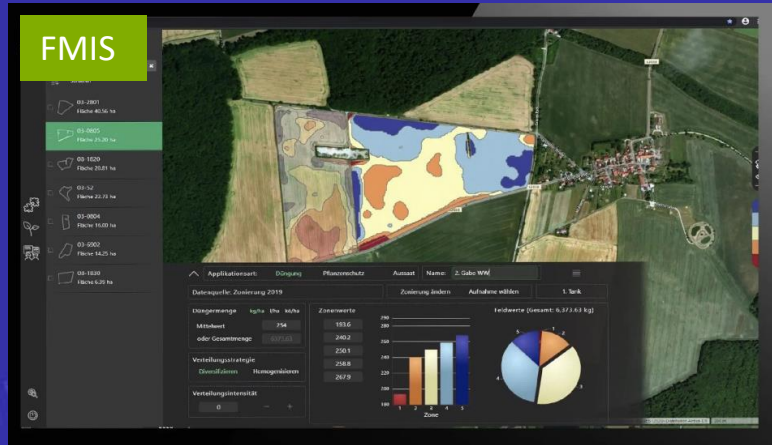
Farm Management Information Solution



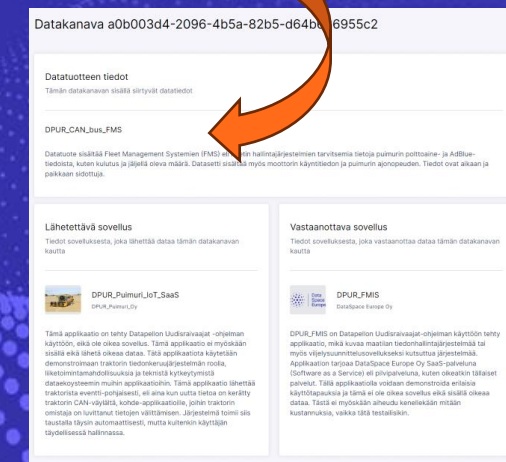
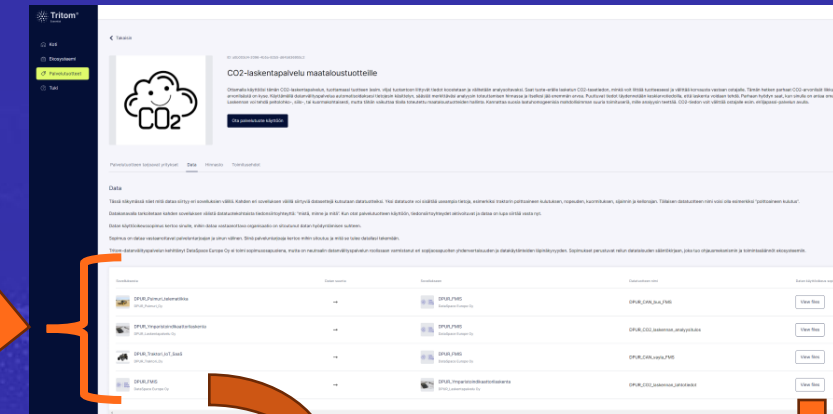
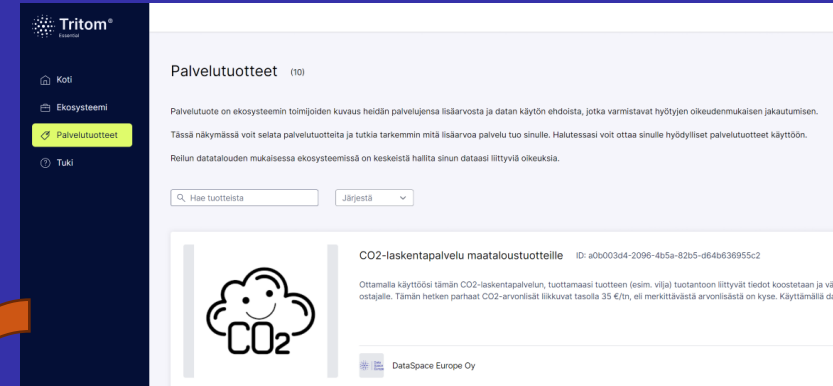
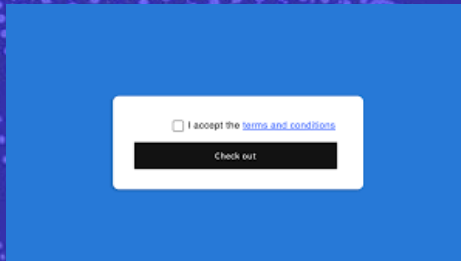


Data
Space
Europe

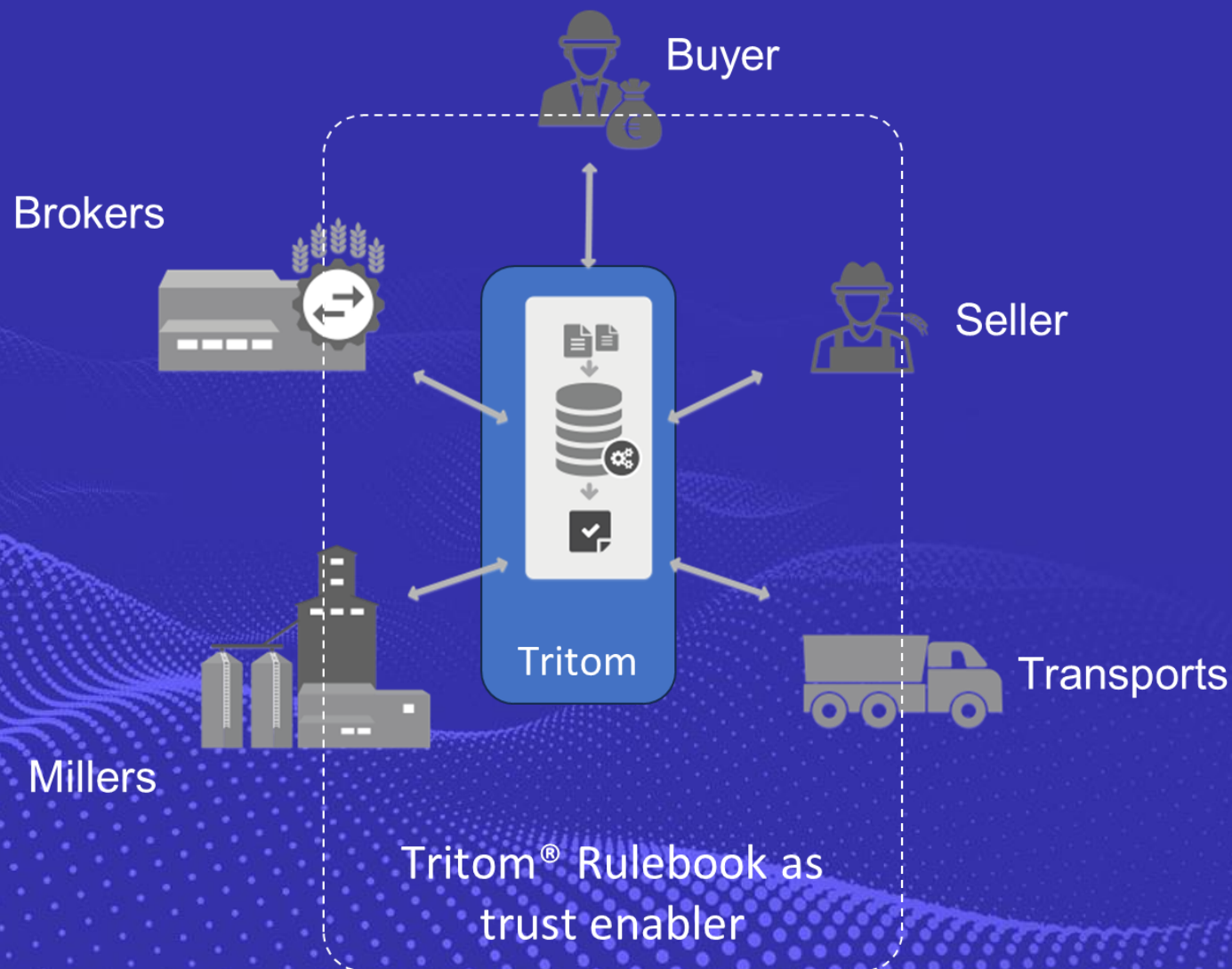
Use case - granularity



Farm Management Information Solution



Use case: Digital Product Passport (DPP) for Grain



Q&A



Hans Graux
Lawyer IP, IT and data
protection law,
Partner at Timelex



Gard Thomassen
IT Director,
University of Oslo



Jaana Sinipuro
Chief Executive Officer
DataSpace Europe Oy



Juhani Luoma-Kyyny
Business Architect
DataSpace Europe Oy

Stay up-to-date on our
2024 activities!



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WEBINAR

Personal data management
and altruism: how and when
are individuals empowered
to make data sharing
decisions?

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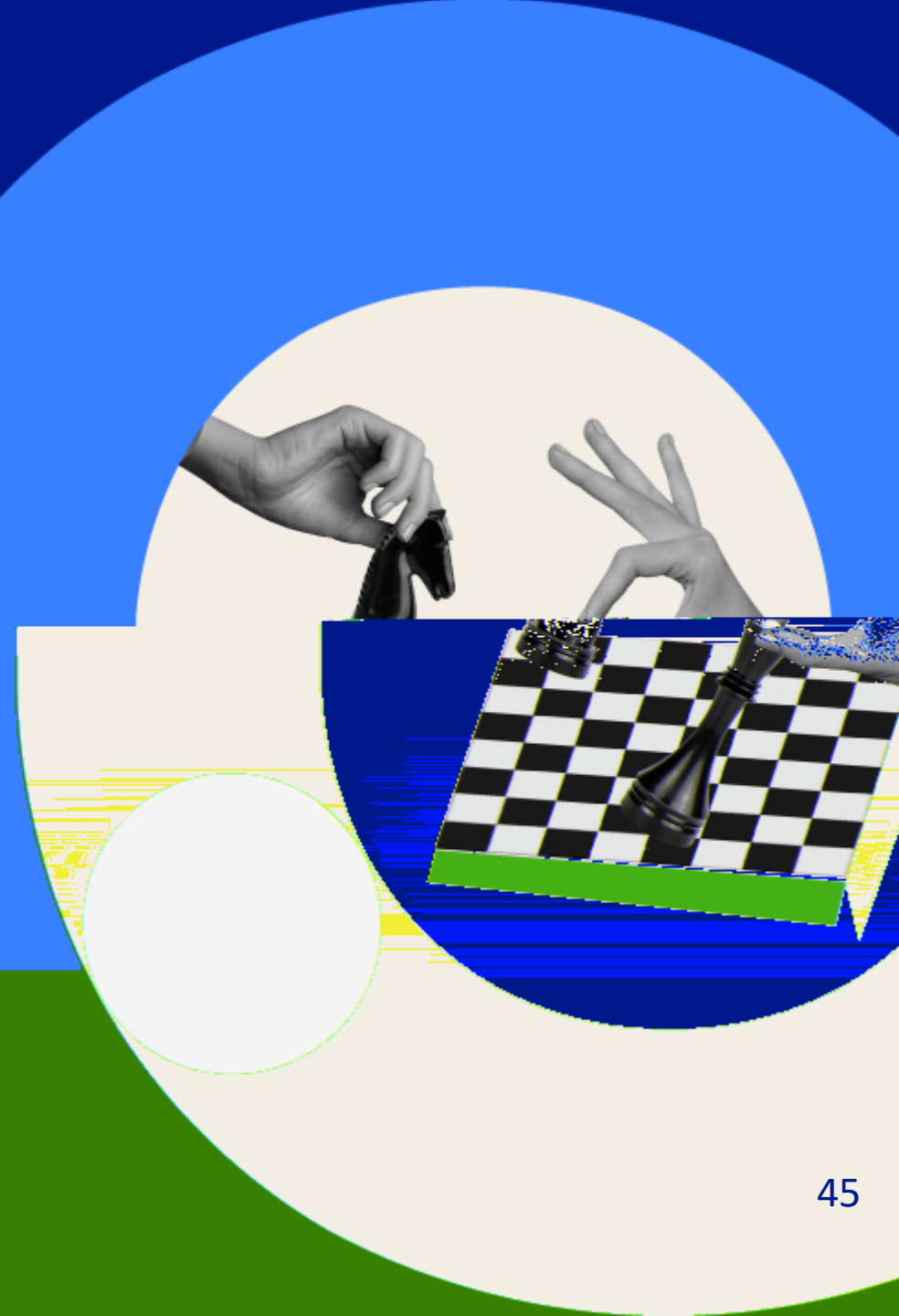
12 April 2024
10.00 — 11.30 CET



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Please provide your feedback!



Thank you

