



LAUNCHING OAEBUDT WITHIN THE SCHOLARLY COMMUNICATIONS TRUSTED DATASPACE

A 2025 Year in Review

**To unlock granular
flows of sensitive
data across
platforms and
services**



**we worked with partners
to develop and pilot
building blocks for a
scholarly
communications
community
data space**

Think-it built and documented for OAEBUDT scholarly communications' first distributed, sovereign data space

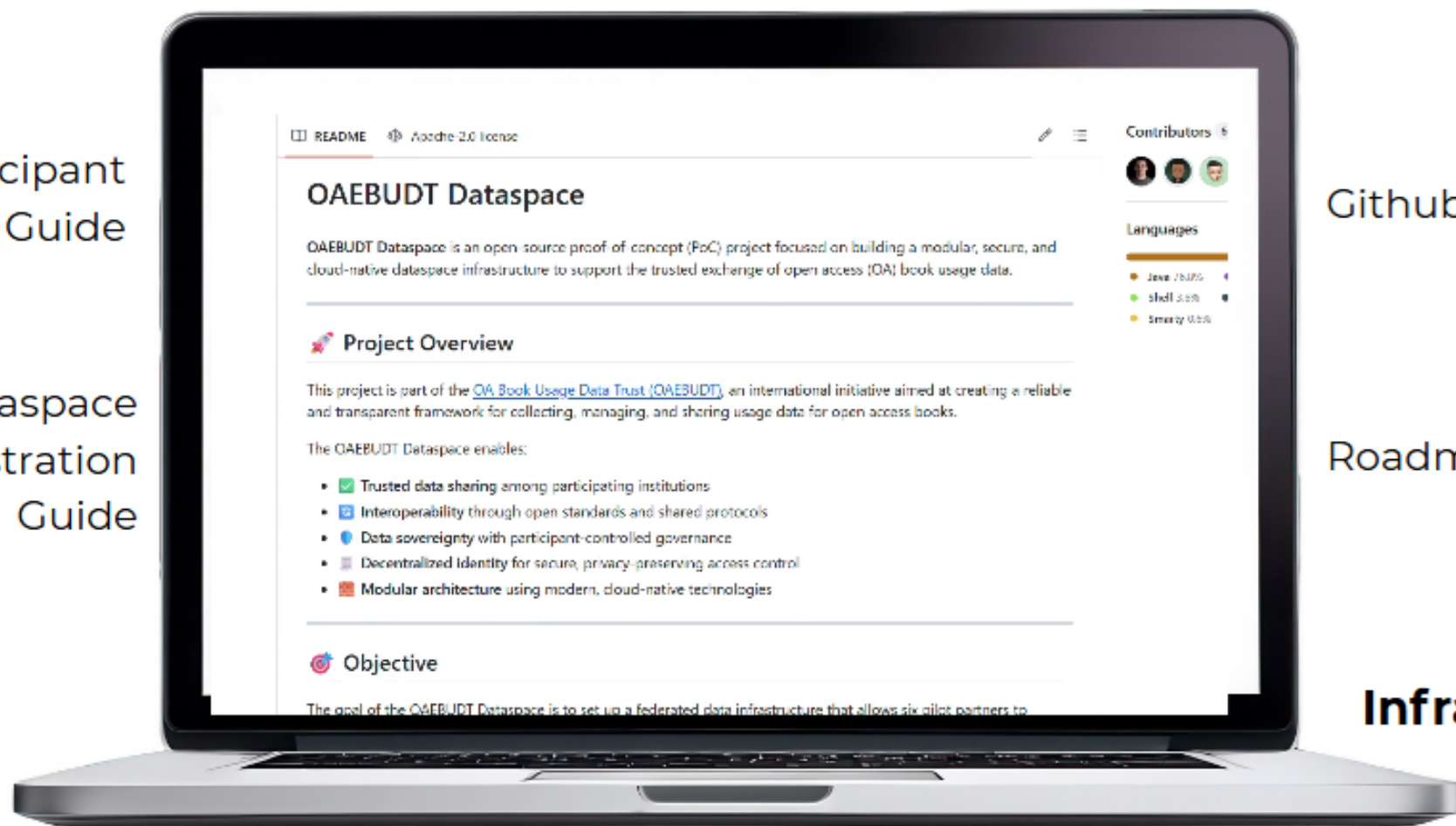


Participant
User Guide



Dataspace
Administration
Guide

**Open
Documentation**



Github



Roadmap

**Open
Infrastructure**

Launching a scalable “dataspace-as-a-service” proof-of-concept on AWS for partners to pilot

Open Source
Dataspace
Architecture

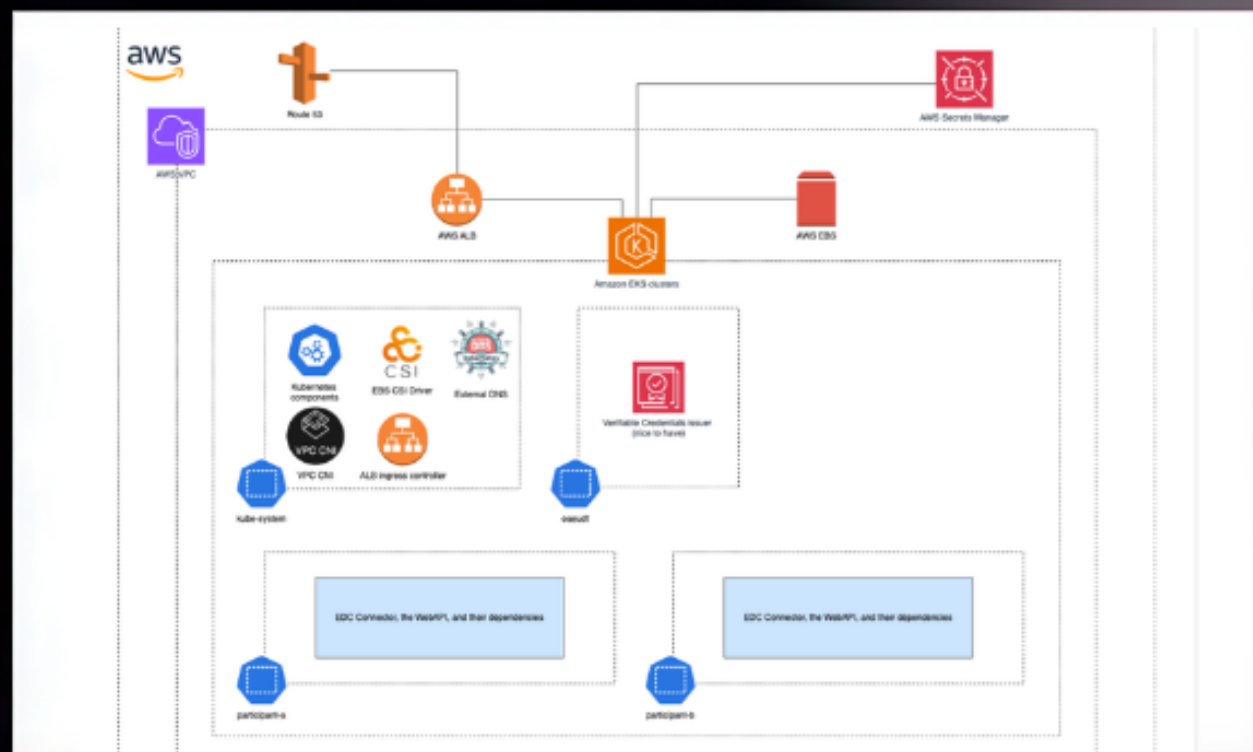
Virtual private
cloud subnets
secure participant
data



Ready to support
varied
decentralized
identity access
management
(in next release)



Using Keycloak, Kubernetes and Eclipse Data Connectors

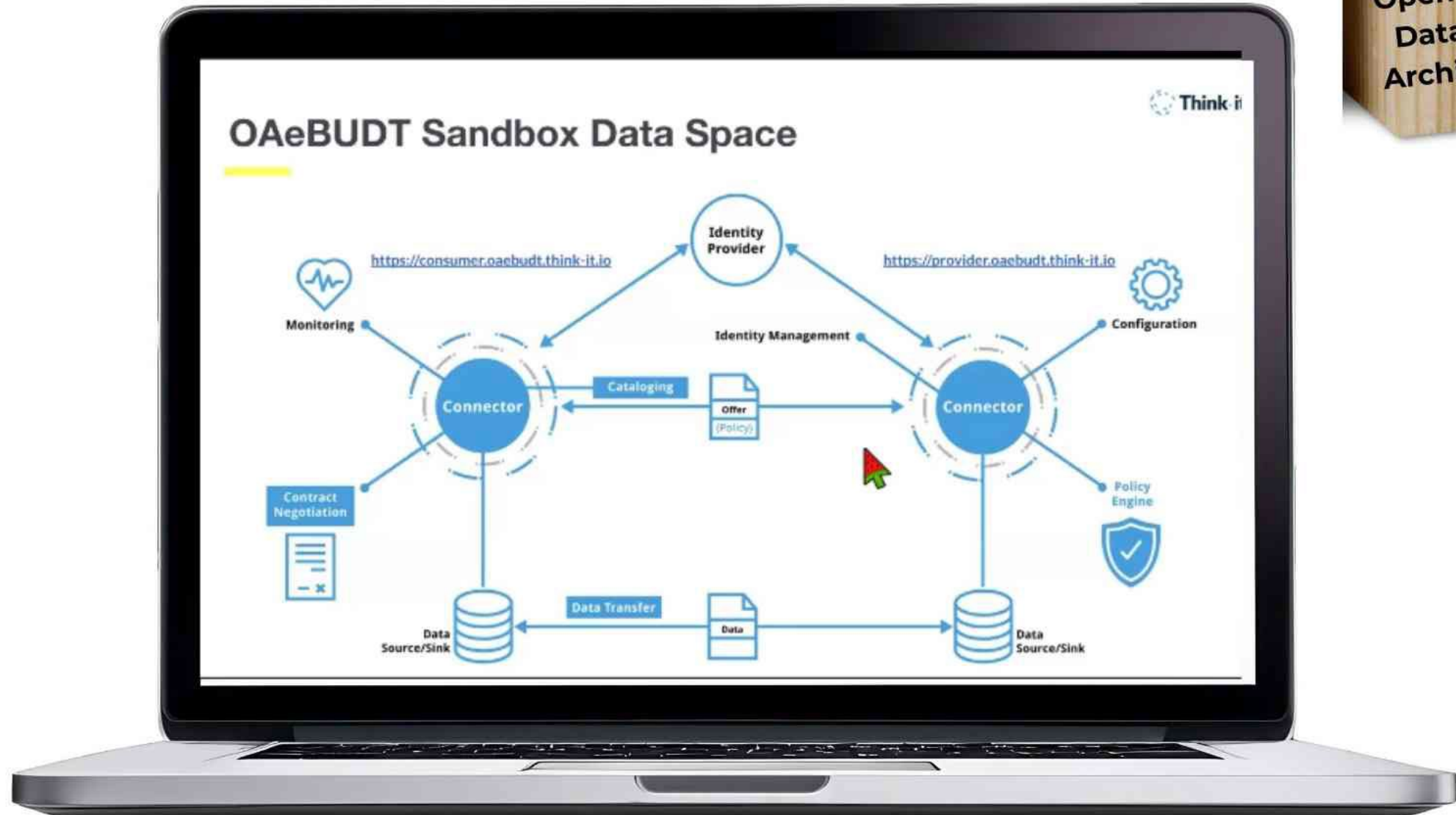


Can be
deployed on
other trusted
clouds to
support
national
regulation and
participant
trust



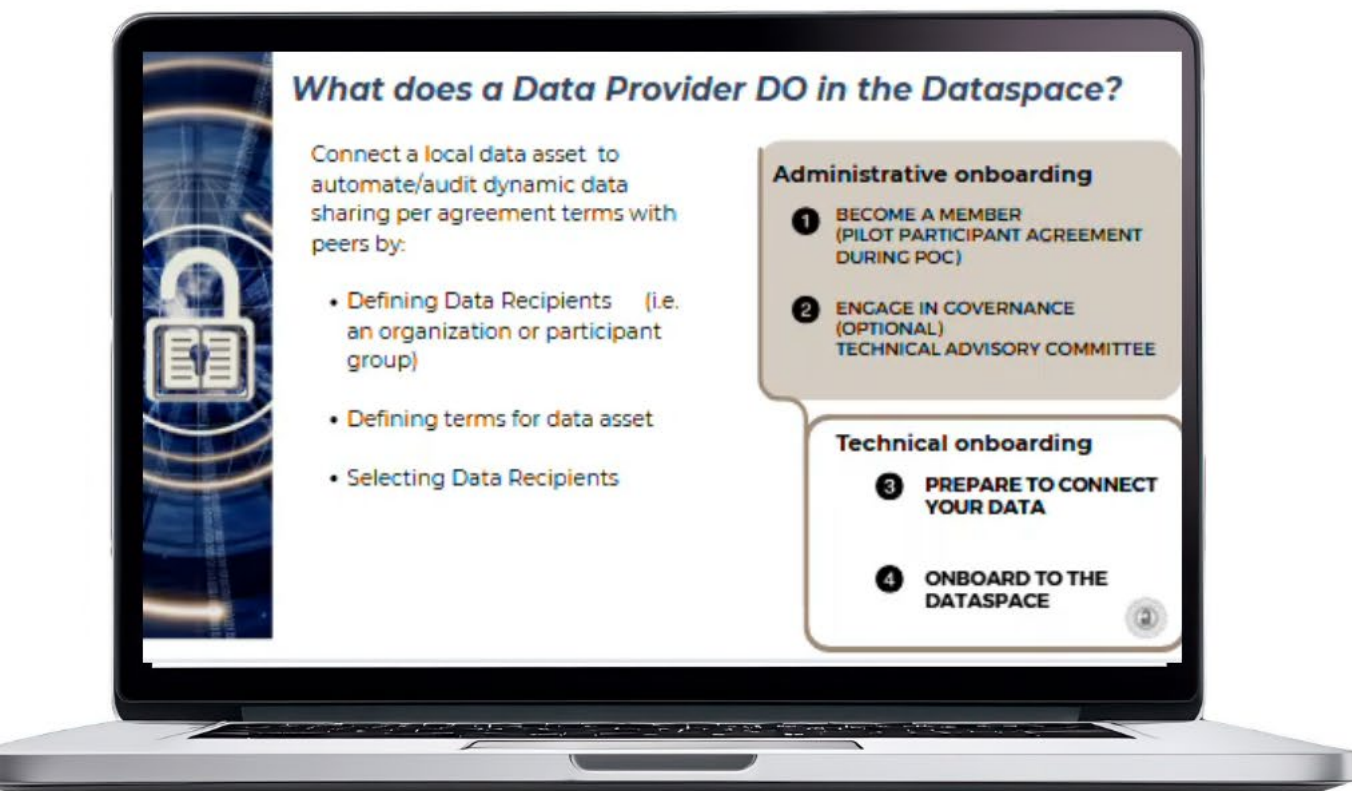
alongside a sandbox for demonstration

Open Source
Dataspace
Architecture

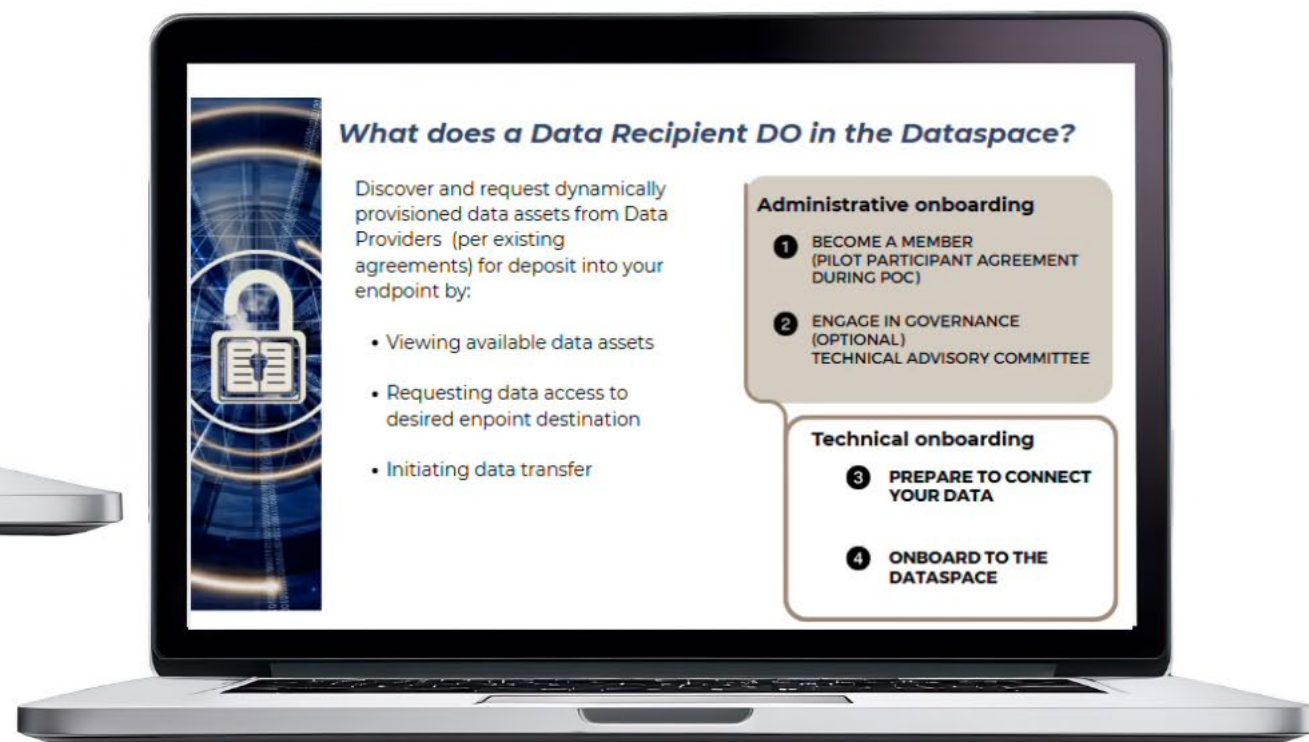


and videos to guide participants in connecting

Open Source
Dataspace
Architecture



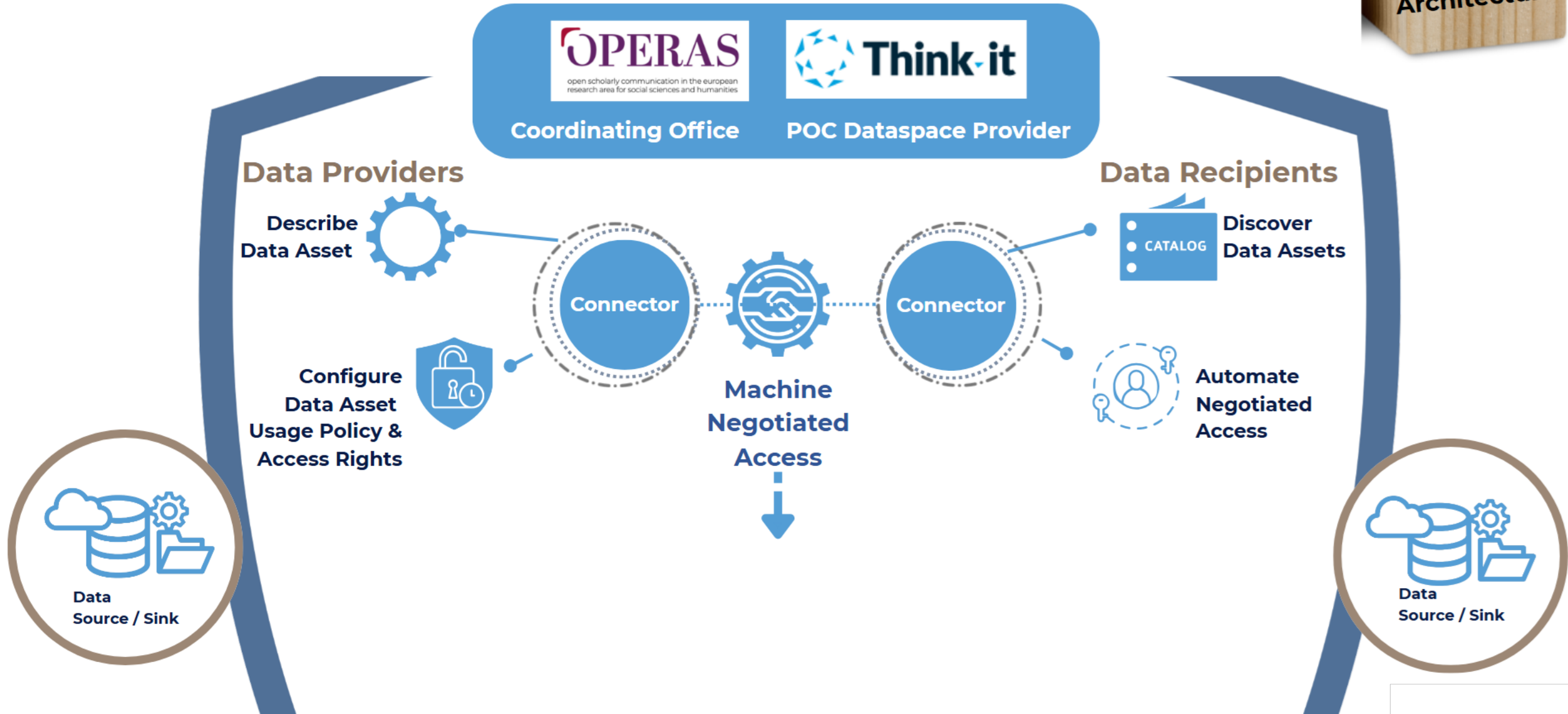
Data Providers
Authenticate, Configure, and Track
Data Assets and their Usage



Data Recipients
Authenticate, Request, and Configure Endpoints
for Data Assets

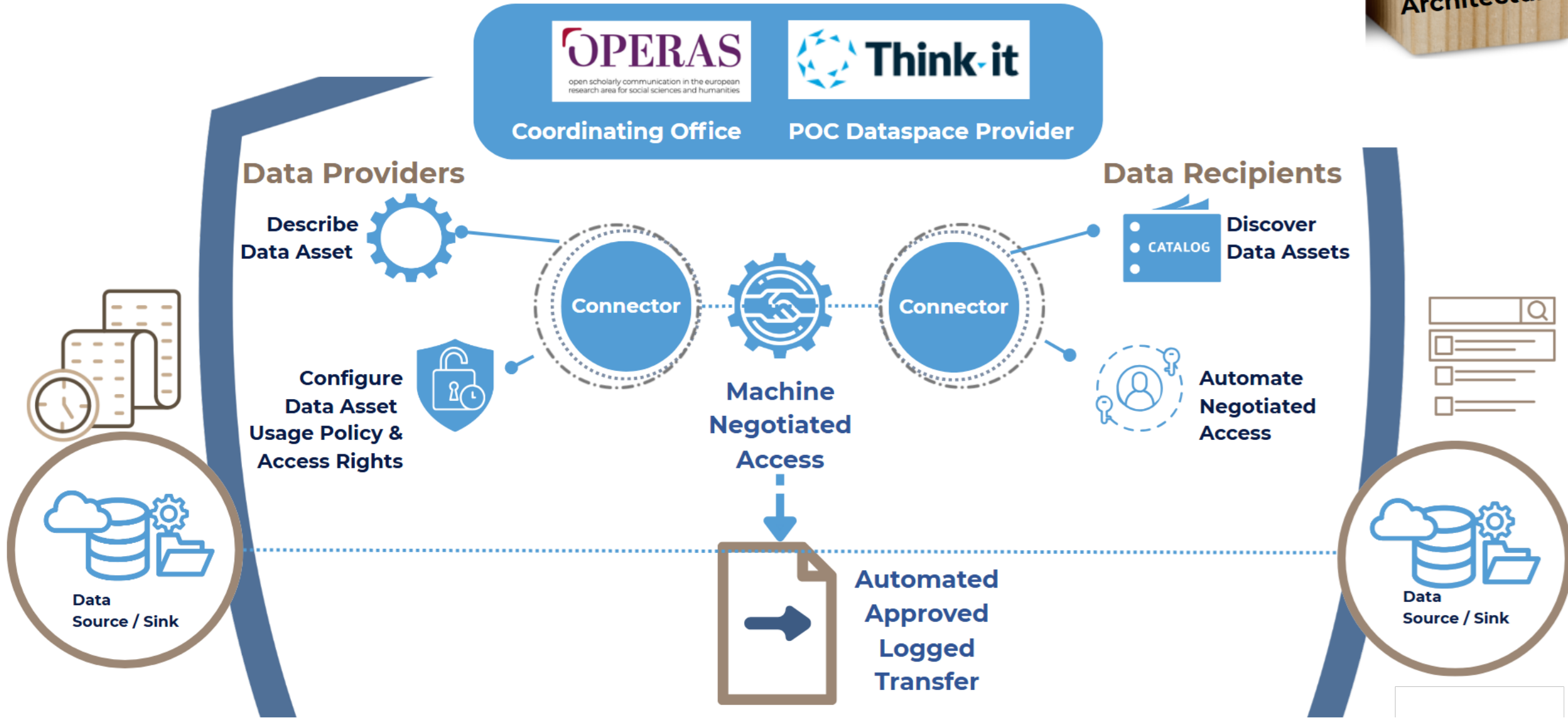
Usage providers and recipients let machines track and negotiate data access via dataspace connectors

Open Source
Dataspace
Architecture



gaining the ability to see who has the data and who uses it

Open Source
Dataspace
Architecture



IceMiller

Draft



OPERAS-EU
Y. Legre
OpenAIRE
P. Tsiavos



Review



Pilot participants

Pilot

Agreement development



**Legal advisors converted our
data space rulebook into a
standard participation
agreement and**

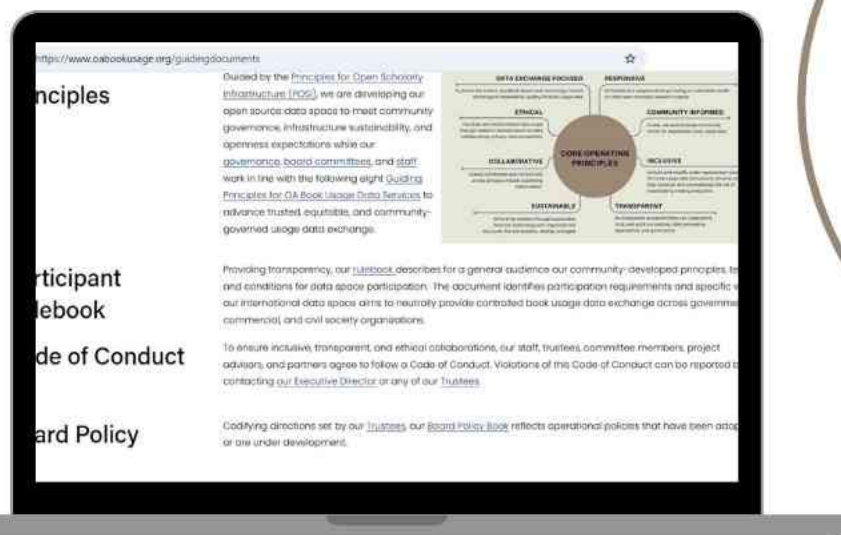
**pilot partners successfully
executed the agreements
while onboarding via
OPERAS-EU**

**Trusted
data space
network**



Rulebook

We refined our administration and governance with OPERAS-EU



<https://www.oabookusage.org/guidingdocuments>

Clarke & Esposito
documented the
first organizational
connections
to understand our
dataspace ROI via
case studies



Pilot Integration Overview (continued)

The diagram below provides a visual representation of the exchange of data between pilot participants, and each organization's role in the OAEBUDT pilot. Each arrow in this figure represents a separate and discrete exchange.

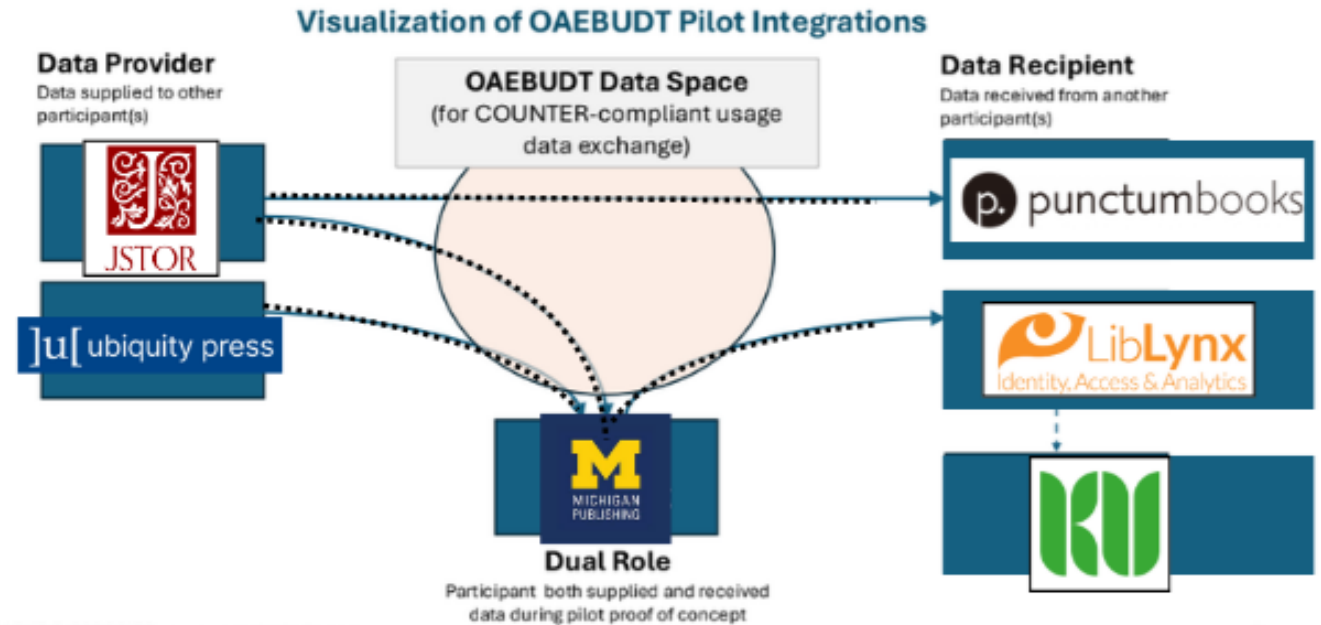


Image adapted from: Ricci, L., & Clarke, M. (2025). OAEBUDT Pilot Evaluation and Return on Investment Analysis. Zenodo. <https://doi.org/10.5281/zenodo.17817759>

**with interviews
surfacing three
keys to our next
phase of operations**



**Sustainable
Cost Recovery
Model**



A critical mass (network) of participants exchanging data via the dataspace



Clarity on ongoing costs and sustainability



Incentives to improve data quality shared through the IDS

Ricci, L., & Clarke, M. (2025). OAEBUDT Pilot Evaluation and Return on Investment Analysis. Zenodo. <https://doi.org/10.5281/zenodo.17817759>

and a key finding



Sustainable
Cost Recovery
Model



“Participants noted that the potential **benefits of data space participation are not limited to OA books**, but rather could be recognized for any product under any business model,”

Ricci, L., & Clarke, M. (2025). OAEBUDT Pilot Evaluation and Return on Investment Analysis. Zenodo. <https://doi.org/10.5281/zenodo.17817759>

**Our Board took action, extending the data space
infrastructure's mission, vision, and brand
from open books to scholarly communications**



Sustainable
Cost Recovery
Model

and Invest in Open Infrastructure conducted interviews to help us articulate the dataspace value proposition for publishers, library consortia, content aggregators and others



Sustainable
Cost Recovery
Model

We launched our Founders Campaign so organizations can provide resources to sustain our momentum as we transition to cost-recovery



Supporters

sustain

COMMUNITY ENGAGEMENT

DIVERSE PARTICIPATION

FACILITATION

OPEN KNOWLEDGE

RESEARCH &
DEVELOPMENT

Participants

recover direct costs

CLOUD INFRASTRUCTURE

ONBOARDING

TECHNICAL SUPPORT

COORDINATING OFFICE
ADMINISTRATION

RESEARCH &
DEVELOPMENT



Since 2024, leading organizations have contributed financially to support this innovative open infrastructure



**and now we welcome Founders
to carry us forward**

and the Board continues to explore ways to responsibly bridge to launch as funding becomes available



Least stable



Stable



Most Stable

	Least stable	Stable	Most Stable
Staffing	<ul style="list-style-type: none">• .75 FTE	<ul style="list-style-type: none">• 1.5 FTE	<ul style="list-style-type: none">• 3.0 FTE
	<ul style="list-style-type: none">• Less costs to cover• Learn then scale	<ul style="list-style-type: none">• Similar to project capacity• Get added functionality	<ul style="list-style-type: none">• Most support to scale• Increased functionality
	<ul style="list-style-type: none">• Slower uptake• User dissatisfaction• Less capacity for grants, R&D, committee support	<ul style="list-style-type: none">• No technical staff or admin• No in-person events	<ul style="list-style-type: none">• Higher amount to raise• Higher expectations



Global community engagement continues to inform our work and share lessons learned

5

Advisory
bodies and
committees

15

Conference
presentations
& posters

1

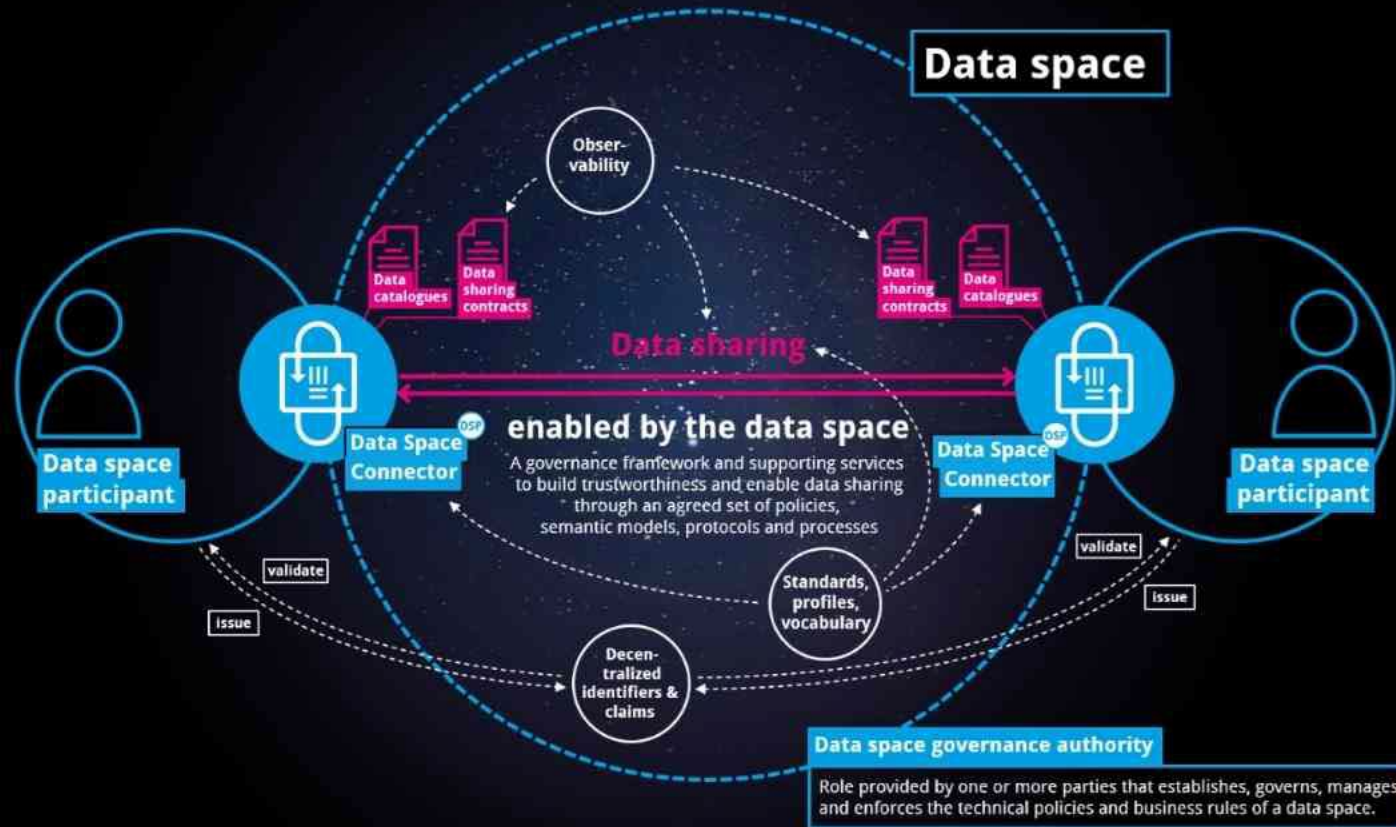
Affiliated
research project
launch

1

MVP dataspace
piloted with 8
organizations

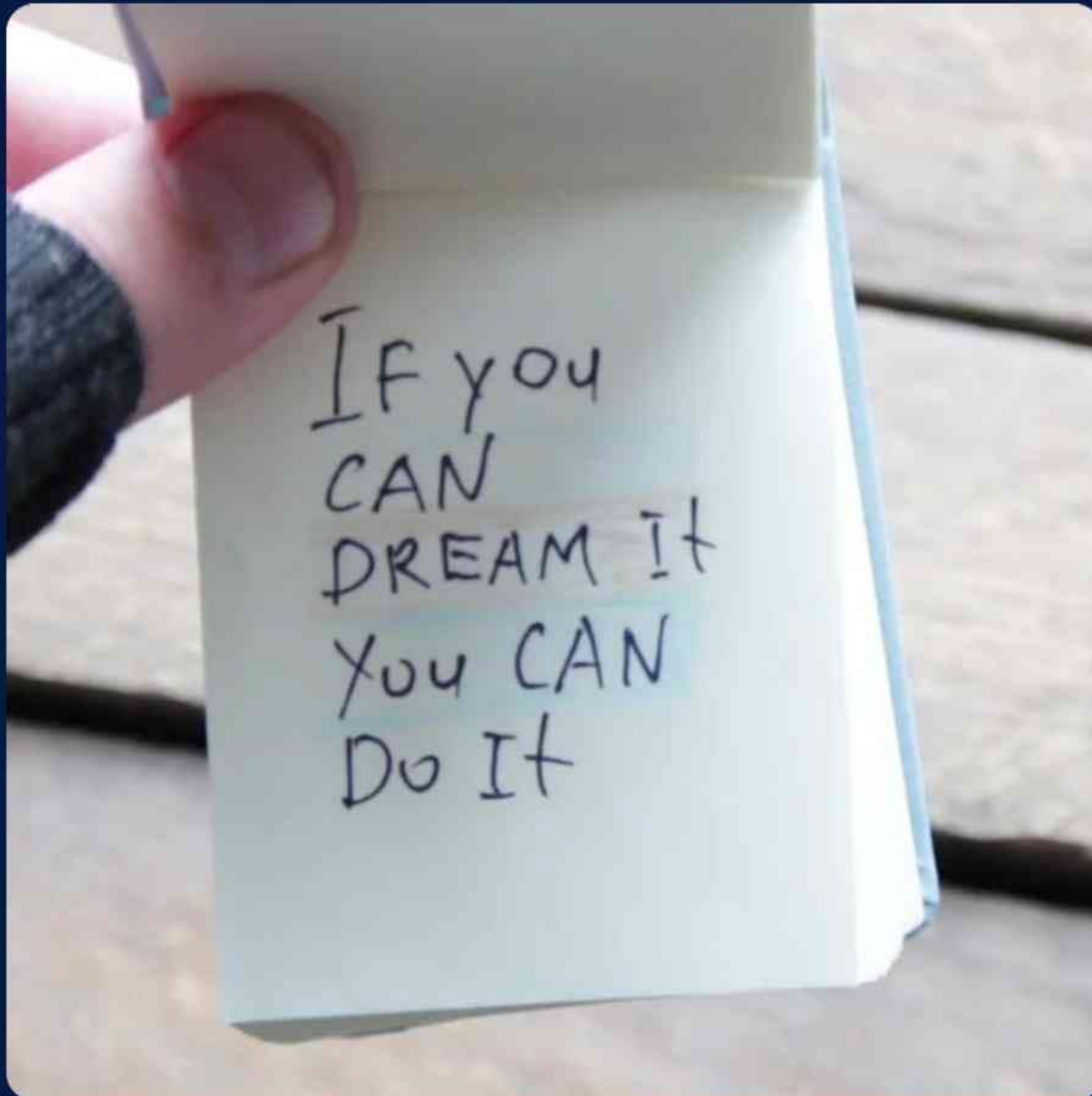
3

Sessions with
national
federations



and as a member of the International Data Spaces Association we continue to stay informed of advancing dataspace standards in ISO/IEC

**Image source: International Data Spaces Association*



**We are incredibly grateful for
the hours and support
donated by our volunteer
Trustees, commitee
members, and pilot partners!**





**Let us celebrate all
we've done in 2025**

**as we look to
unlocking more
controlled data
sharing in 2026!**