EUHUBS4DATA
EUROPEAN FEDERATION OF DATA DRIVEN INNOVATION HUBS

ITI INVESTIGATE TO INNOVATE

IOTWeek | Dublin June 20-23, 2022

European Federation of Data Driven Innovation Hubs

Introduction, motivation, achievements, challenges

Daniel Alonso (ITI)
Project coordinator

The EUHUBS4DATA project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 951771

BIG DATA VALUE PUBLIC-PRIVATE PARTNERSHIP

This project is part of BDV PPP

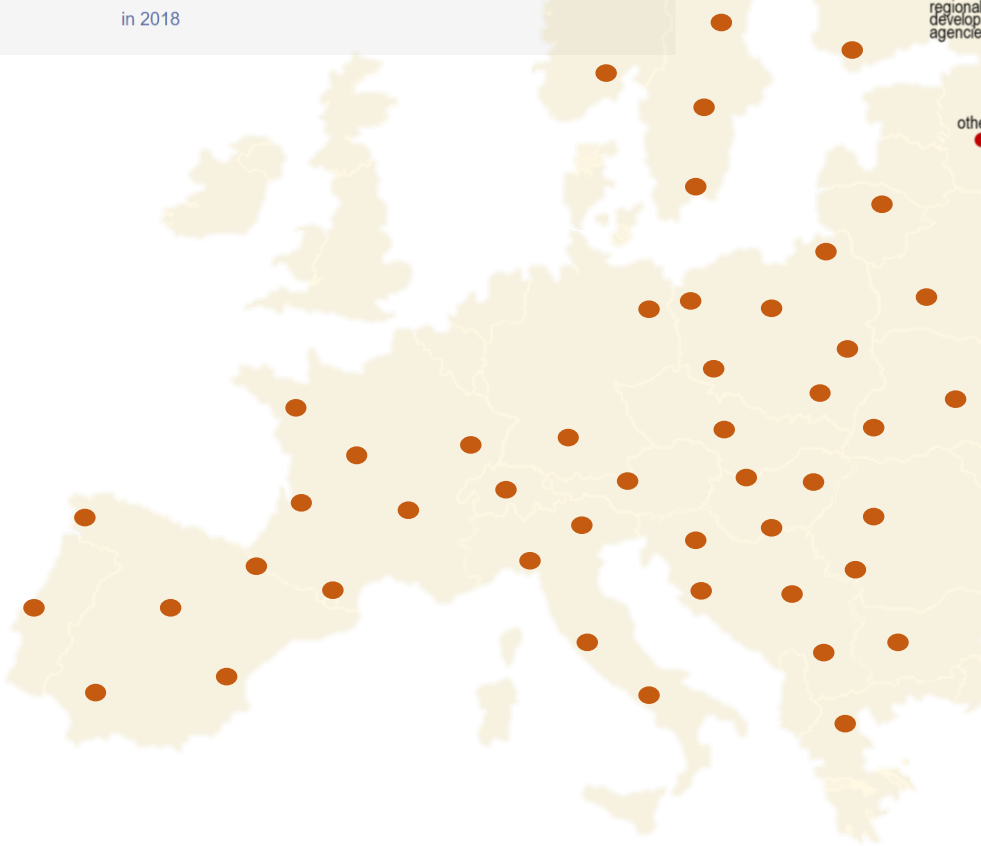
Towards an European common data space ...

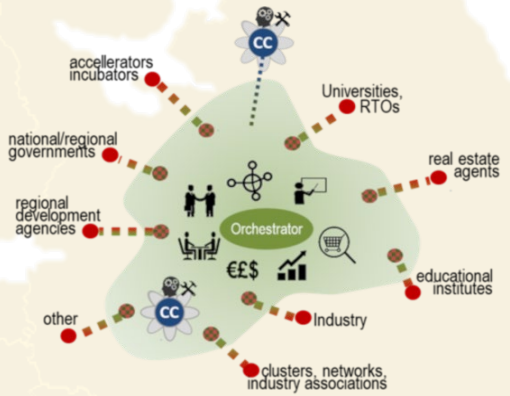
530%
increase of global data volume
From 33 zettabytes in 2018 to 175 zettabytes

€829 billion
value of data economy in the EU27
From €301 billion (2.4% of EU GDP) in 2018

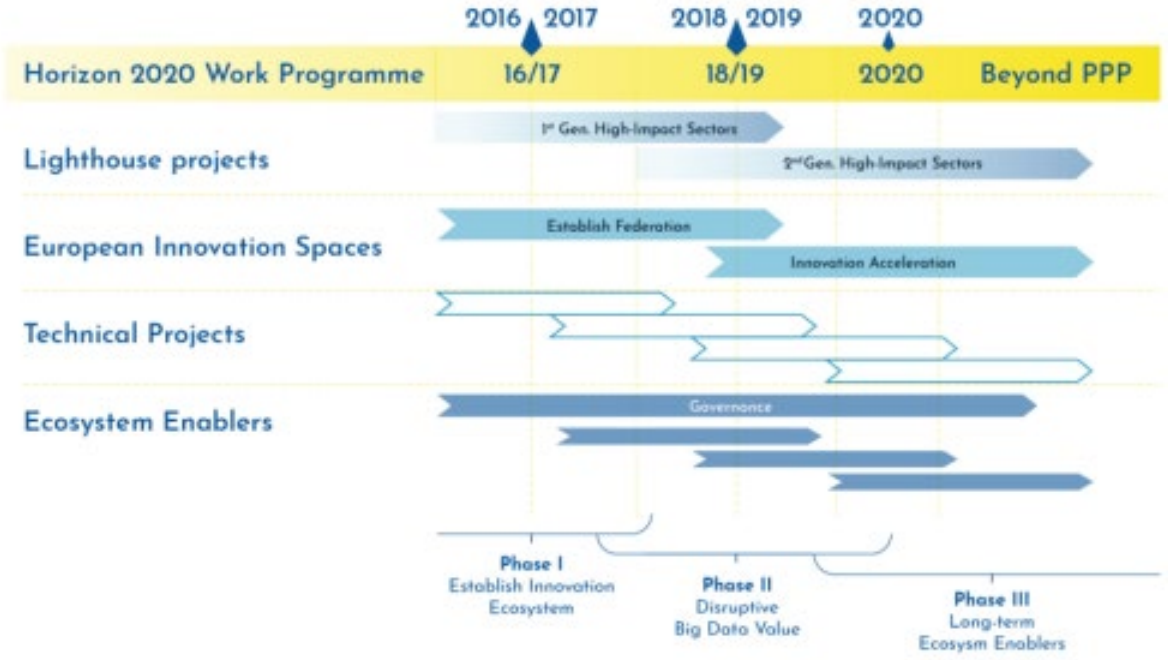
10.9 million
data professionals in the EU27
From 5.7 million in 2018

65%
Percentage of EU population with basic digital skills
From 57% in 2018





- Regional innovation ecosystems operating mostly in an isolated way
- Lack of real / practical cooperation among regional DIHs
- Service offering constrained to regional ecosystem
- Data not mobilized at European level
- SMEs do not access to data at European level
- SMEs do not benefit from data driven innovations at European level
- Evolving European data landscape



BIG DATA VALUE PPP

EUHUB
EUROPEAN FEDERATION OF DATA DRIVEN INNOVATION HUBS

2016 2017 2018 2019 2020 2021

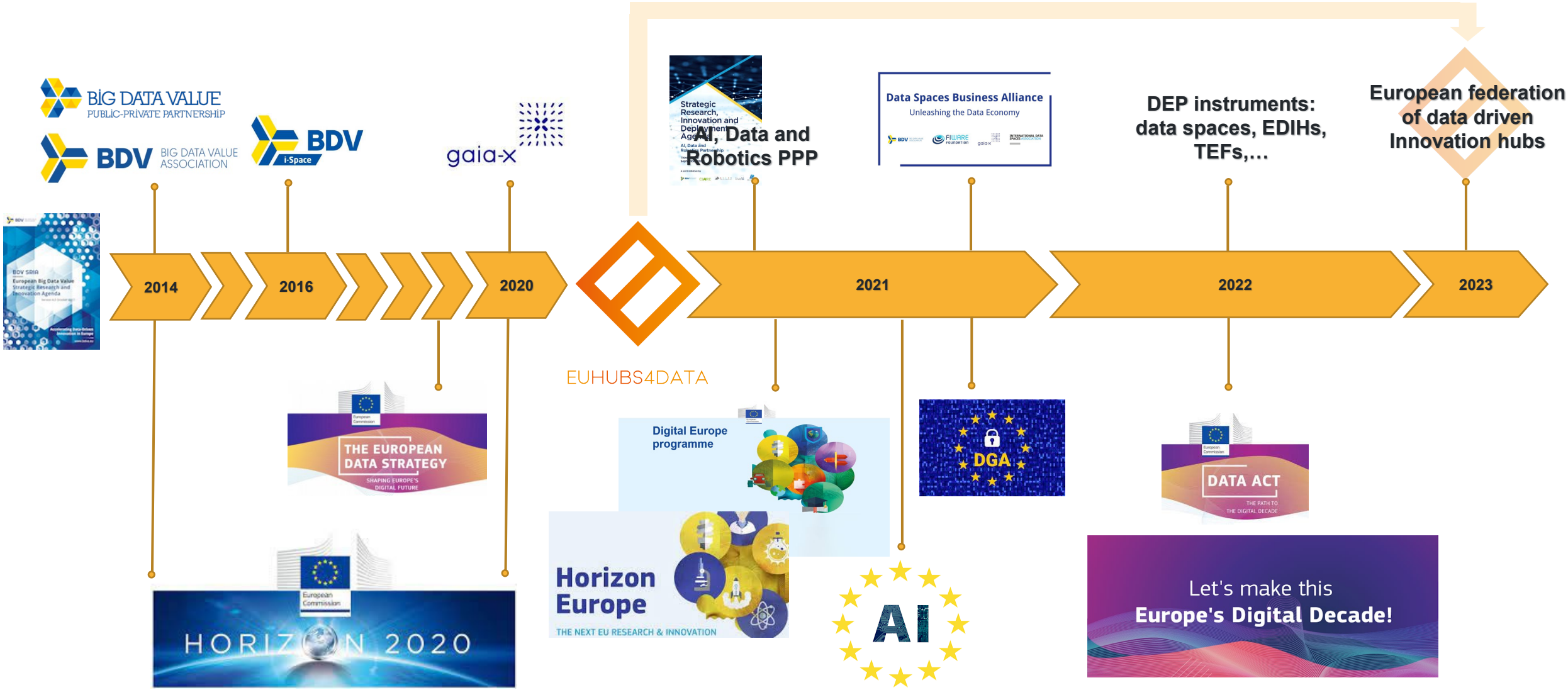
5 8 10 15 18 35

Federation of i-Spaces / data driven hubs

BDV i-Space

Digital Europe programme

EUHUB


BIG DATA VALUE
PUBLIC-PRIVATE PARTNERSHIP
BDV
BIG DATA VALUE ASSOCIATION
BDV
i-Space
gaia-x
Strategic Research, Innovation and Deployment Agenda
AI, Data and Robotics PPP
Data Spaces Business Alliance
Unleashing the Data Economy
DEP instruments: data spaces, EDIHs, TEFs,…
European federation of data driven Innovation hubs
2014
2016
2020
2021
2022
2023
EUHUBS4DATA
THE EUROPEAN DATA STRATEGY
SHAPING EUROPE'S DIGITAL FUTURE
Digital Europe programme
DGA
DATA ACT
THE PATH TO THE DIGITAL DECADE
HORIZON 2020
Horizon Europe
THE NEXT EU RESEARCH & INNOVATION
AI
Let's make this
Europe's Digital Decade!

EUHUBS4DATA

ITI INVESTIGATE TO INNOVATE

DT-ICT-05 Data Driven Innovation Hubs (sub-topic 1)

- *Duration*: 40 months (starting 1st September 2020, ending 31st December 2023)
- *Partners*: 21 institutions from 12 different countries(ES, IT, NL, FR, DE, SE, AT, IE, SI, PL, UK, BE)
- *Coordinator*: ITI
- *WPs*: 10
- *Budget*: 12.5 M Euros
- *PMs*: 1083,5

EUHubs4Data vision

European federation of Big Data Digital Innovation Hubs *which, based on the premise* ***"global catalogue, local offer",*** *will ensure access to* ***SMEs and start-ups*** *in their respective regional ecosystems to* ***a global catalogue of data sources and federated data driven services****, making accessible the latest developments on Data Analytics and advanced assets on Big Data to companies all across Europe, and establishing as* ***the reference on innovation and experimentation on Big Data****.*

Existing European initiatives focused on data

with demonstrated impact at local and regional levels

Common offer

that brings together and federates the different individual catalogues

European companies, specifically SMEs and start-ups

to use the federated data sources and services

European reference for data-driven experimentation and innovation

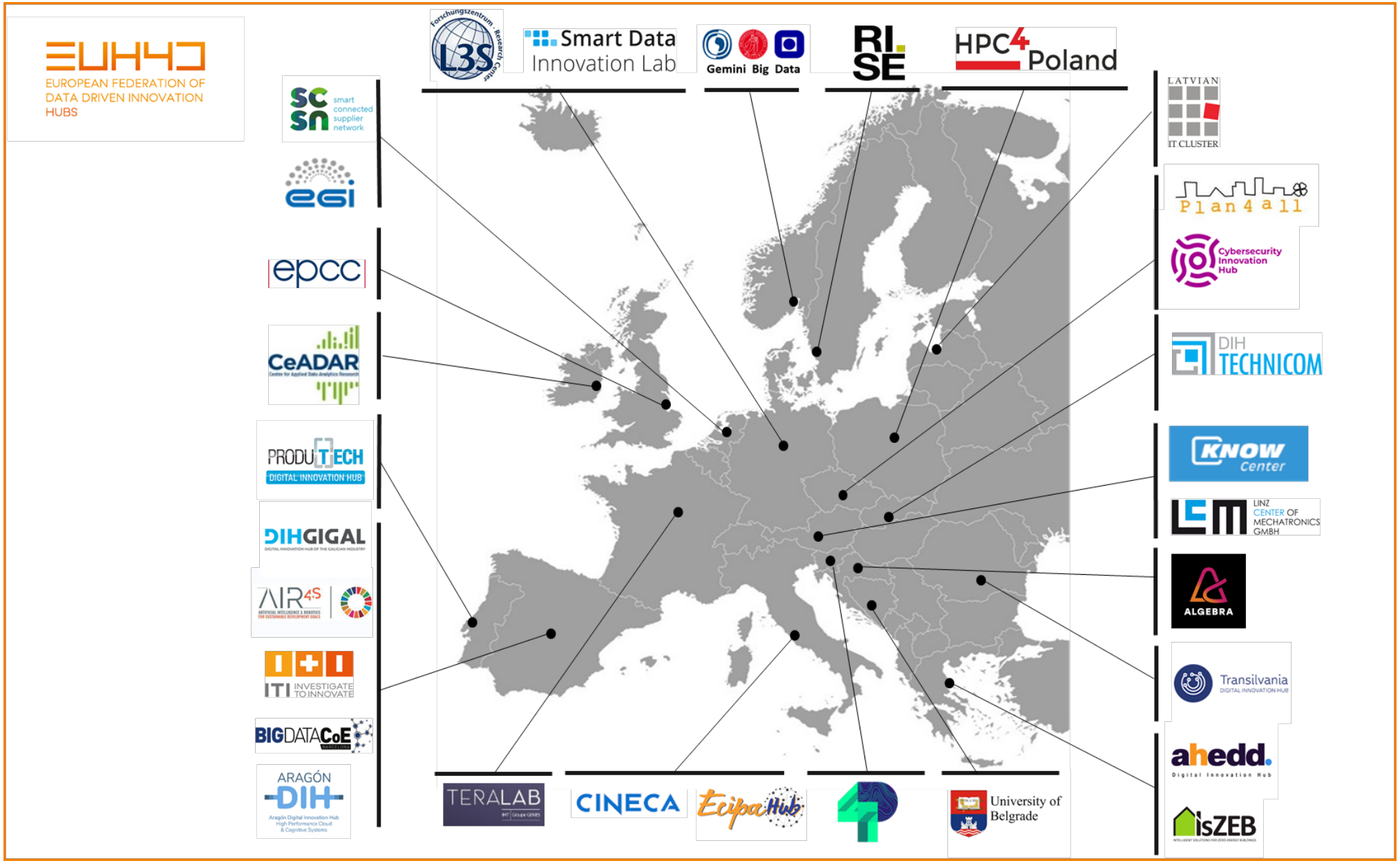
collaboration with other relevant initiatives in Europe

Model of growth and sustainability

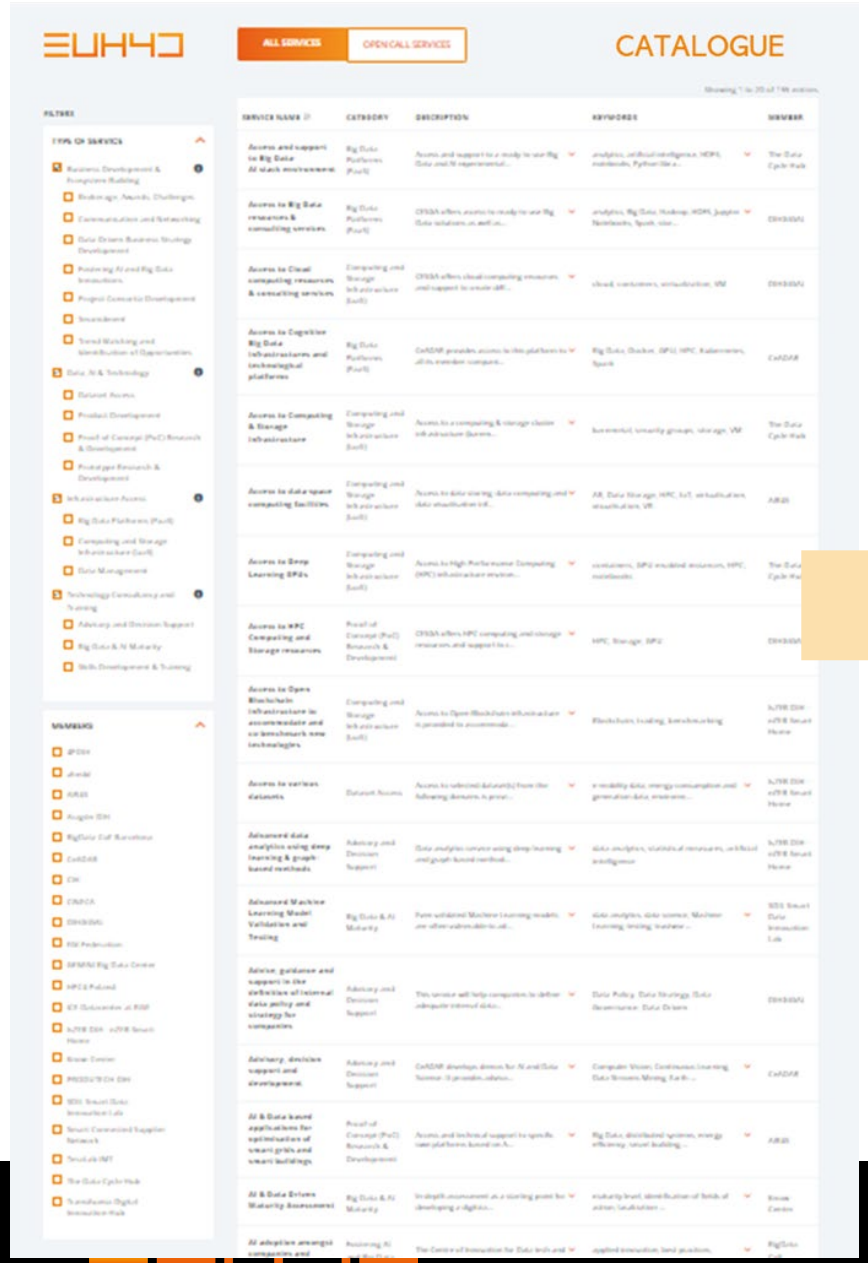
that guarantees the evolution of the federation after the project

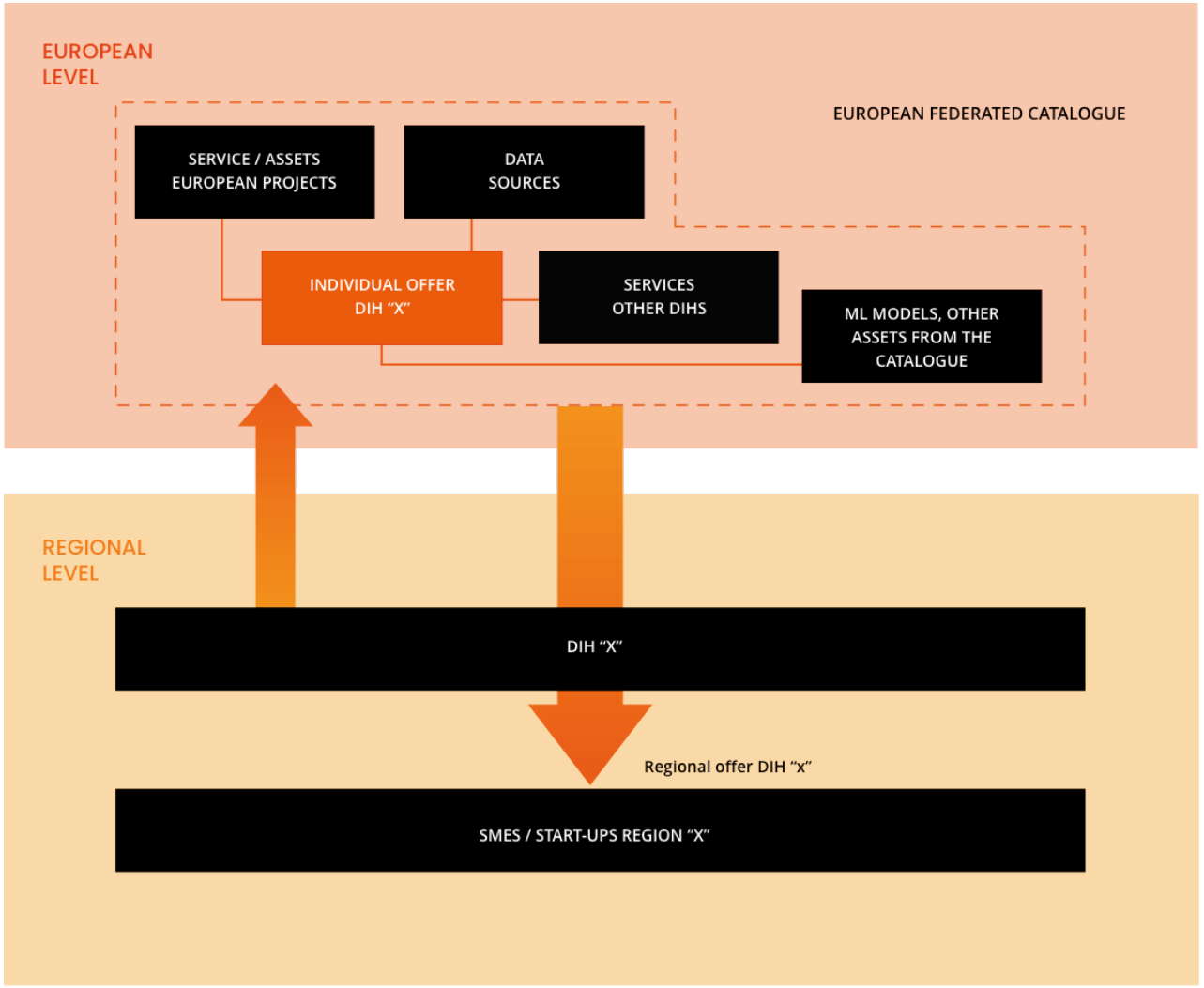
EUHUB

EUROPEAN FEDERATION OF DATA DRIVEN INNOVATION HUBS



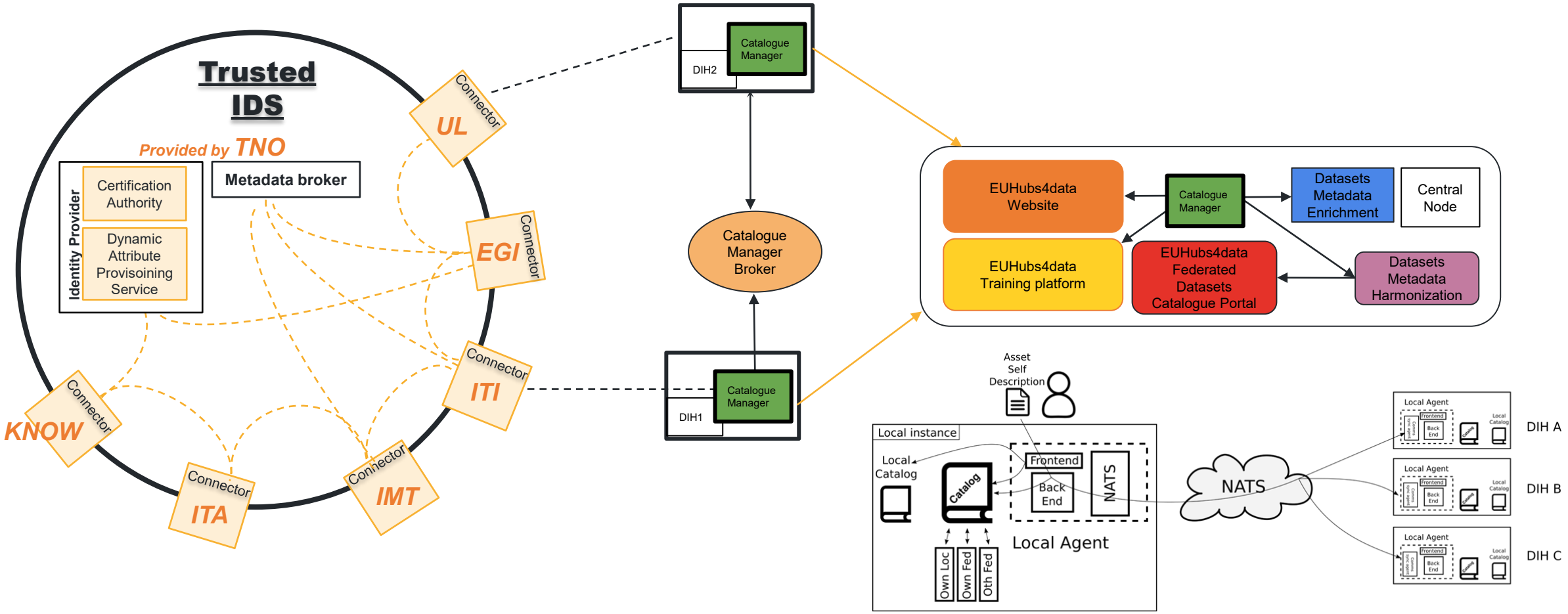
EUH4D Federated Catalogue



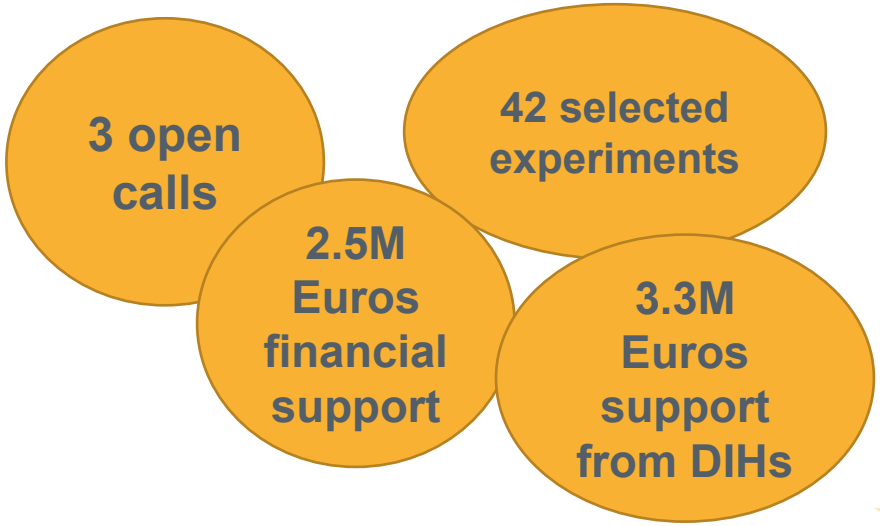


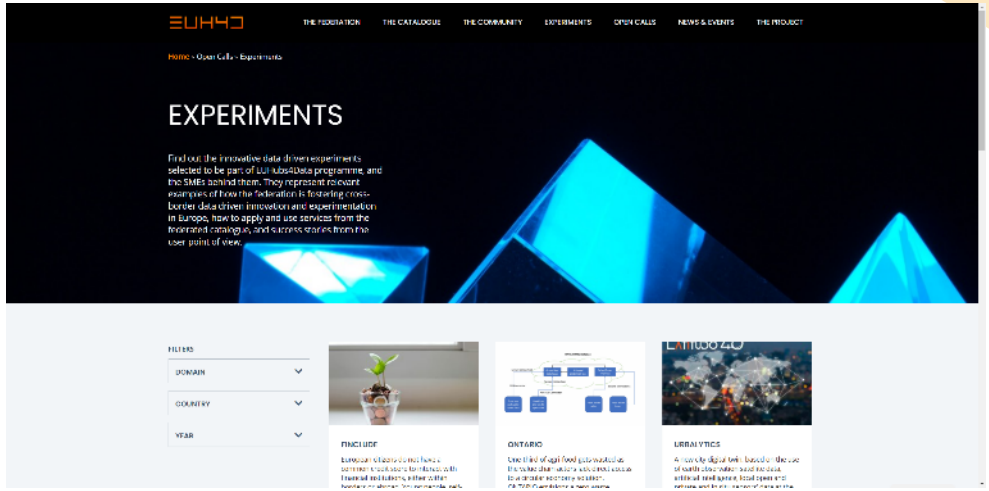
EUH4D Federated Catalogue back end

- Interoperability
- Joint delivery framework



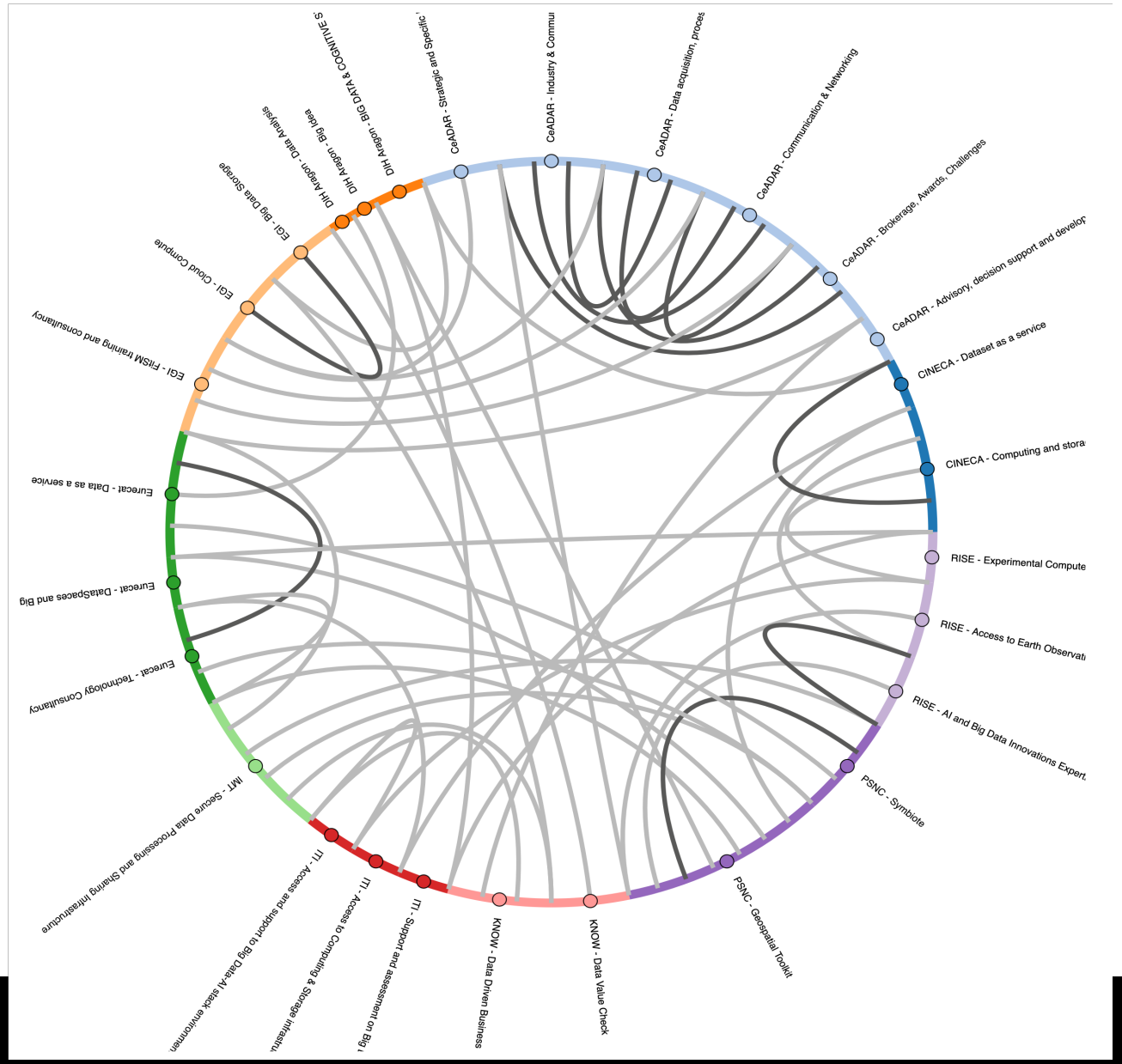
Open calls for experiments



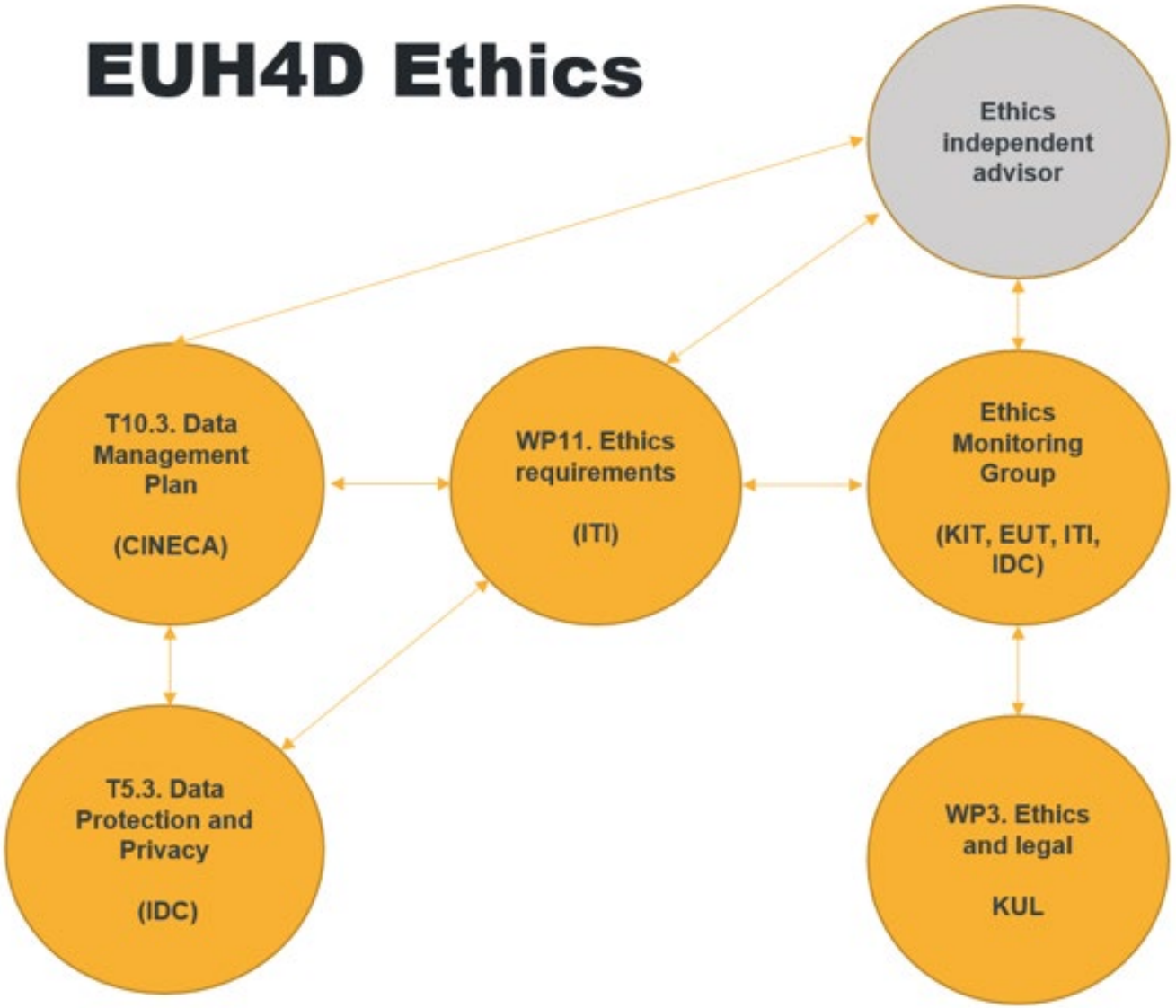


- Attract end users to the assets of the federation: awareness
- Support SMEs and start-ups in the creation of innovative data driven solutions and services
- Foster collaboration among DIHs of the federations
- Check the user satisfaction, improve the joint service delivery
- Keep the demand side coming to the federation: ecosystem
- ***Contribute to the creation of European Common Data Spaces***

EUH4D experiments programme



EUH4D Ethics



- Ethics monitoring group created
- External Ethics Advisor selected and hired
- Defined process to assess applications and selected experiments
- Monitoring of experiments
- Assessment of critical ethical issues arising during the project

The future

- Sustainable and evolving federation that will outlast the project
- The project as a pilot where to develop and test the blocks of the future federation
- Exploitation, business and sustainability plans
- Provide value to all involved parties
- European reference for data driven innovation and experimentation

Conclusions

- Success case on how to materialize cross-border collaborations
- Collaboration at European level to improve the offer for small actors at regional level
- Addressing real data driven challenges proposed from SMEs external to the project, that require collaboration among the DIHs
- Experimentation environment where to check real effects: ethical issues, European regulation, governance and organizational rules, …
- Contributing to and align with European common Data Spaces

Do you want to be part of our community?

- Are you a SME?

  -> Third EUH4D ***open call for experiments*** to be launched in ***September***

  -> We are selecting 18 new experiments!!!

Access to the latest developments on **Data Analytics** and advanced assets on **Big Data.**

Technical & business coaching and continuous follow-up **support by Digital Innovation Hubs (DIHs) valued up to 70.000€** per experiment

- **60.000€** financial support
- **Visibility and promotion.**
- **Exploitation plan**

https://euhubs4data.eu/

Do you want to be part of our community?

- Are you a DIH?

  -> BDVA i-Spaces 2022 call to be launched before summer

https://www.bdva.eu/node/1173

Thanks for your attention

Questions?

Daniel Alonso

dalonso@iti.es

ITI, Project Coordinator

ITI INVESTIGATE TO INNOVATE

www.euhubs4data.eu

www.euhubs4data.eu