

ADRA-e ADR CONFERENCE

*EUH4D overview and potential
collaboration paths*

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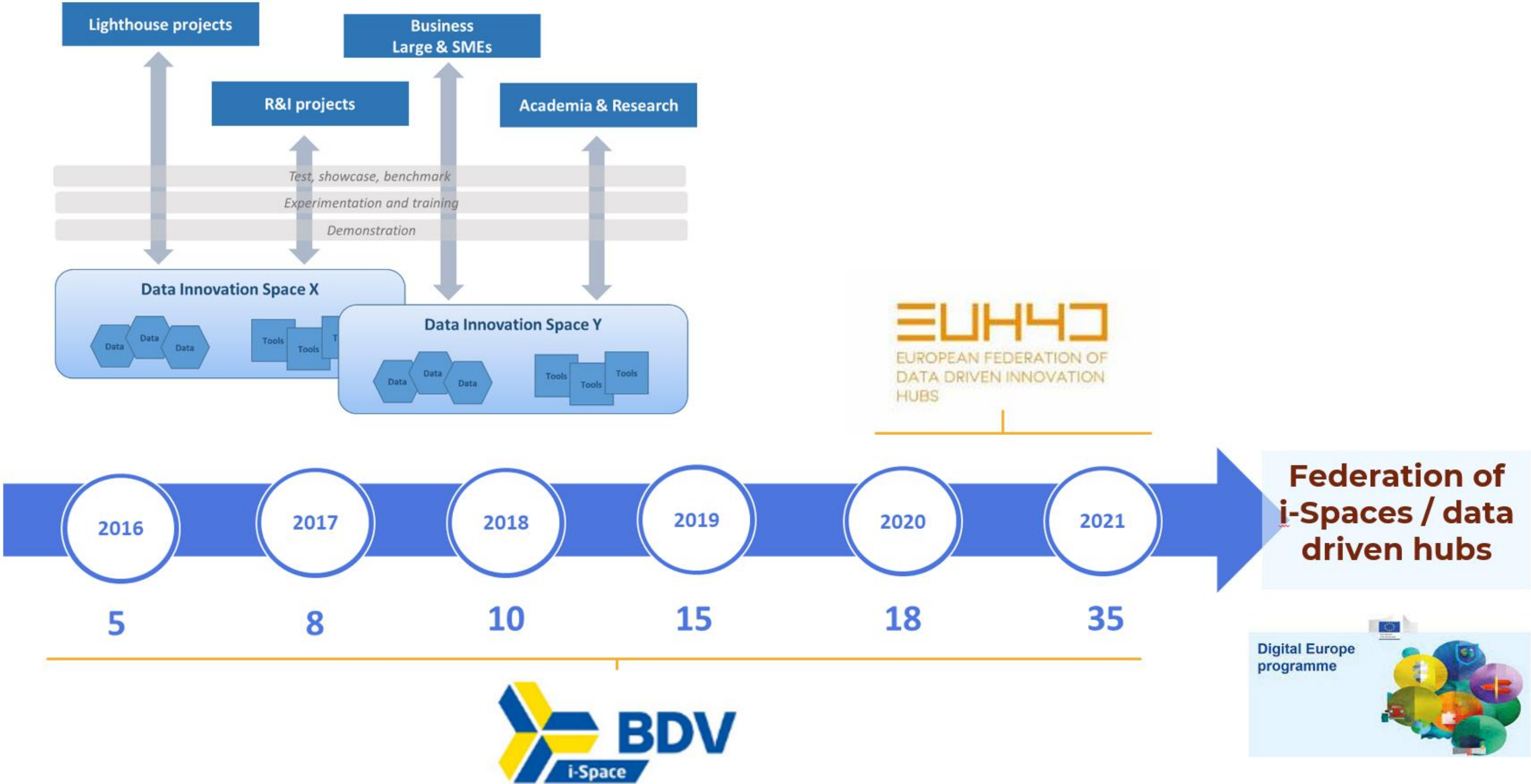


The EUHUBS4DATA project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 951771



This project is part of **BDV PPP**

BDVA Data innovation Spaces (i-Spaces)



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

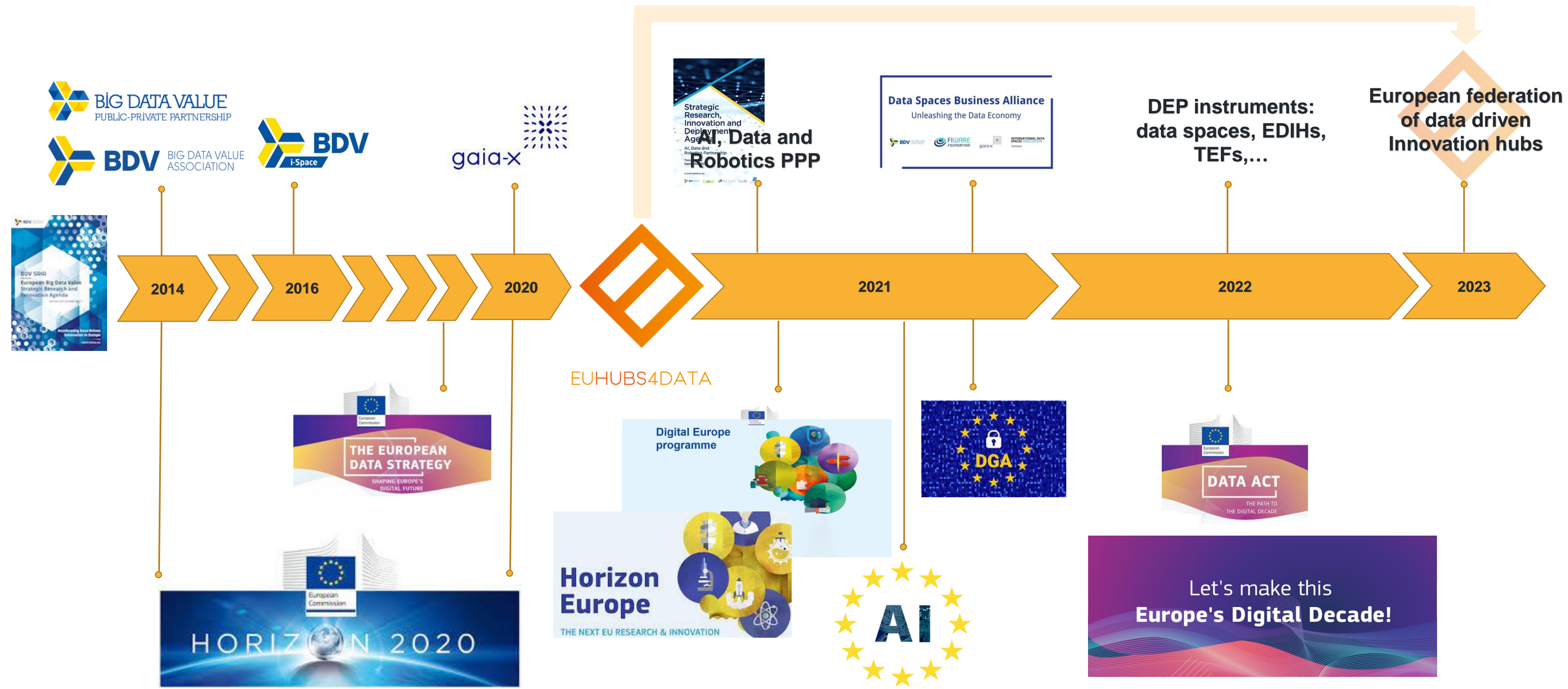
European reference for data-driven experimentation and innovation

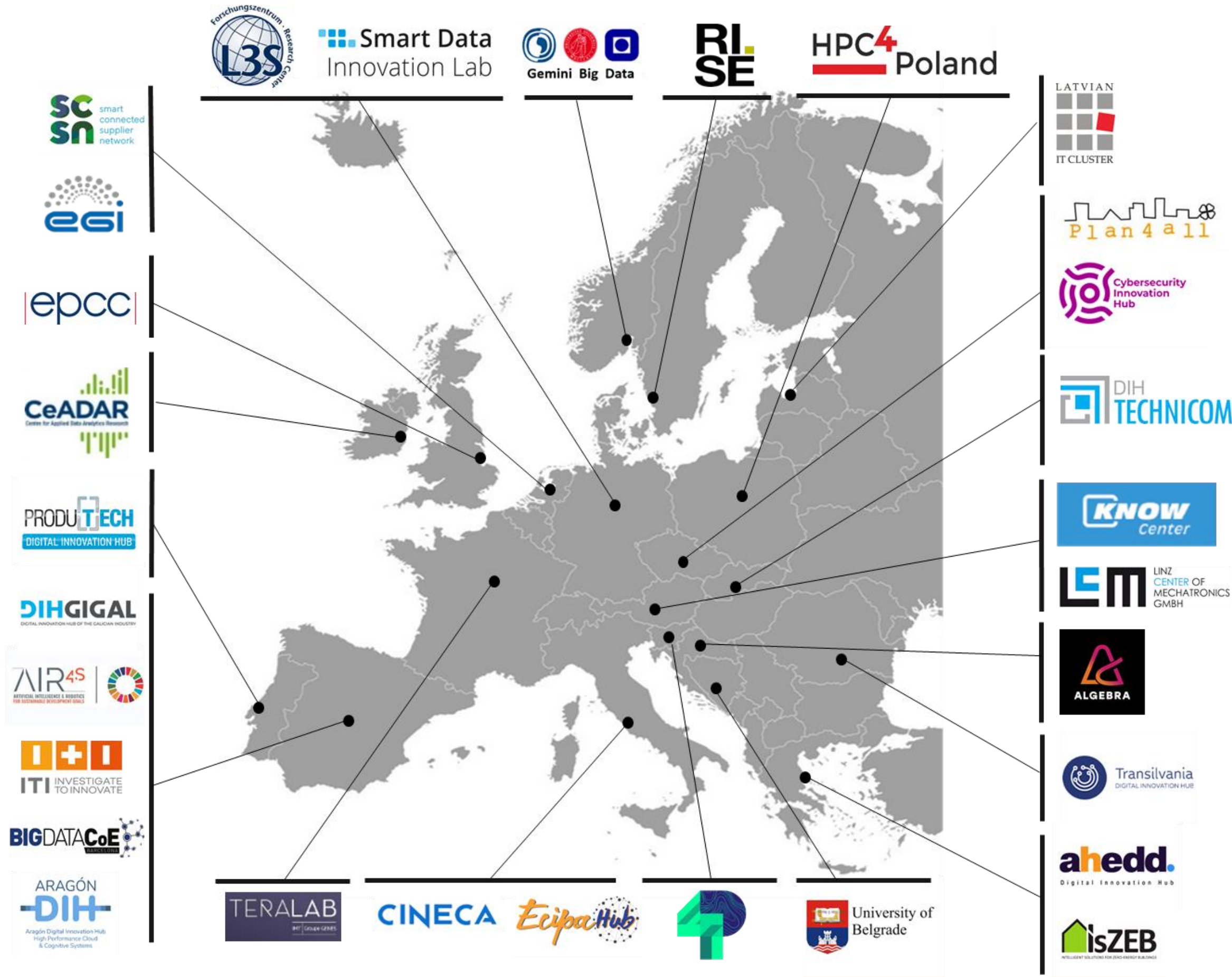
collaboration with other relevant initiatives in Europe

Model of growth and sustainability

that guarantees the evolution of the federation after the project

EUHubs4Data positioning





EUH4D ethical framework



- 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

EUH4D Federated Catalogue

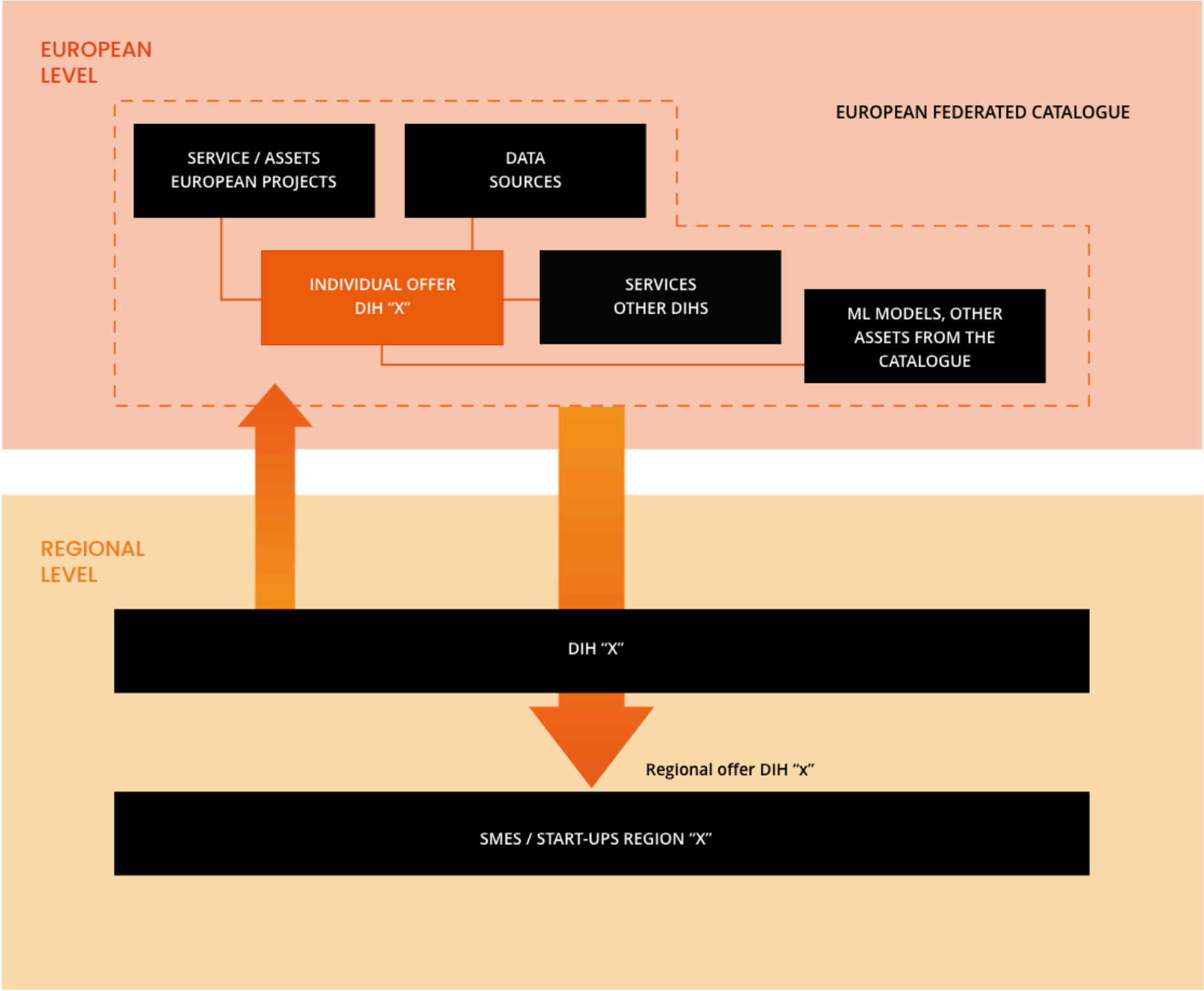
EUH4D

ALL SERVICESOPEN CALL SERVICES

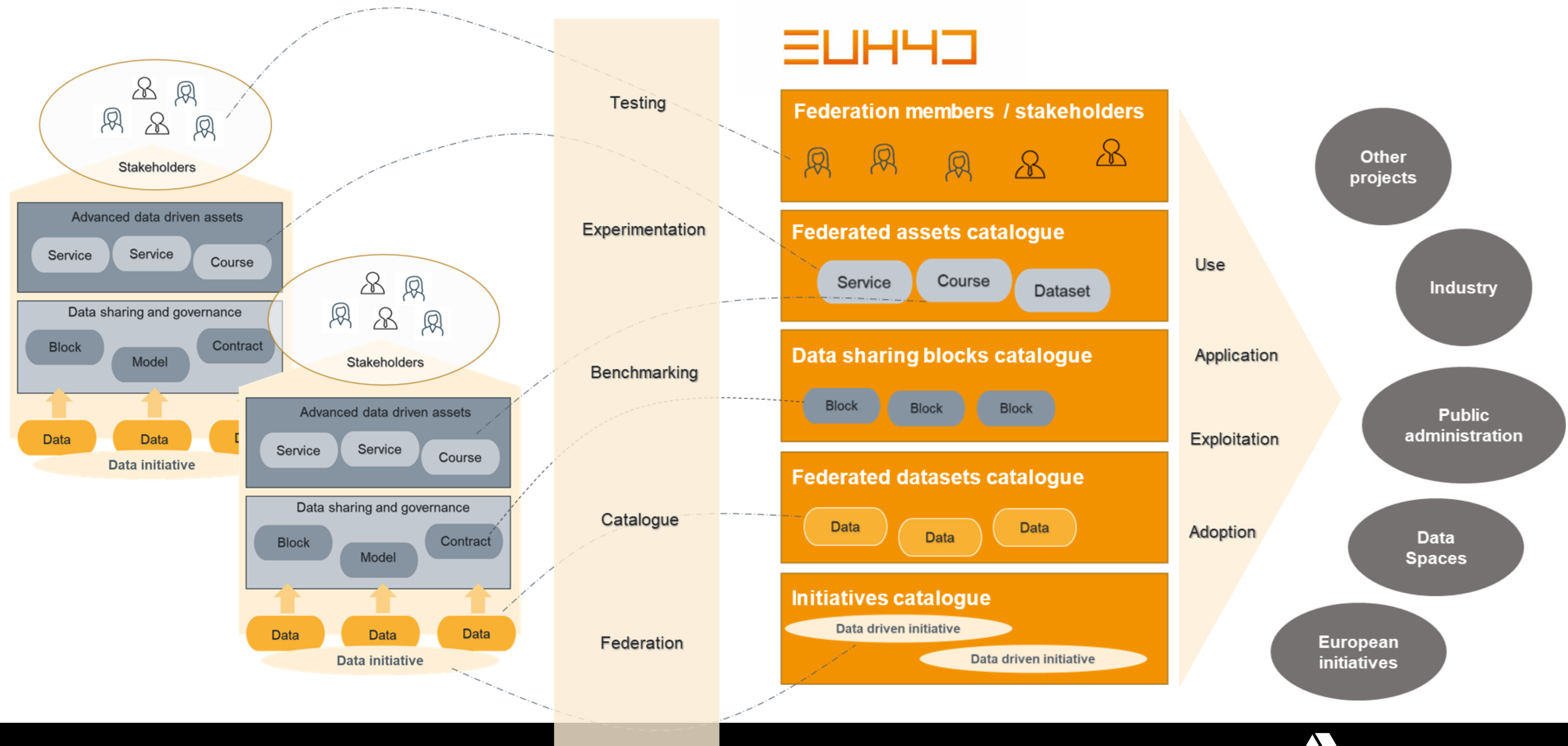
CATALOGUE

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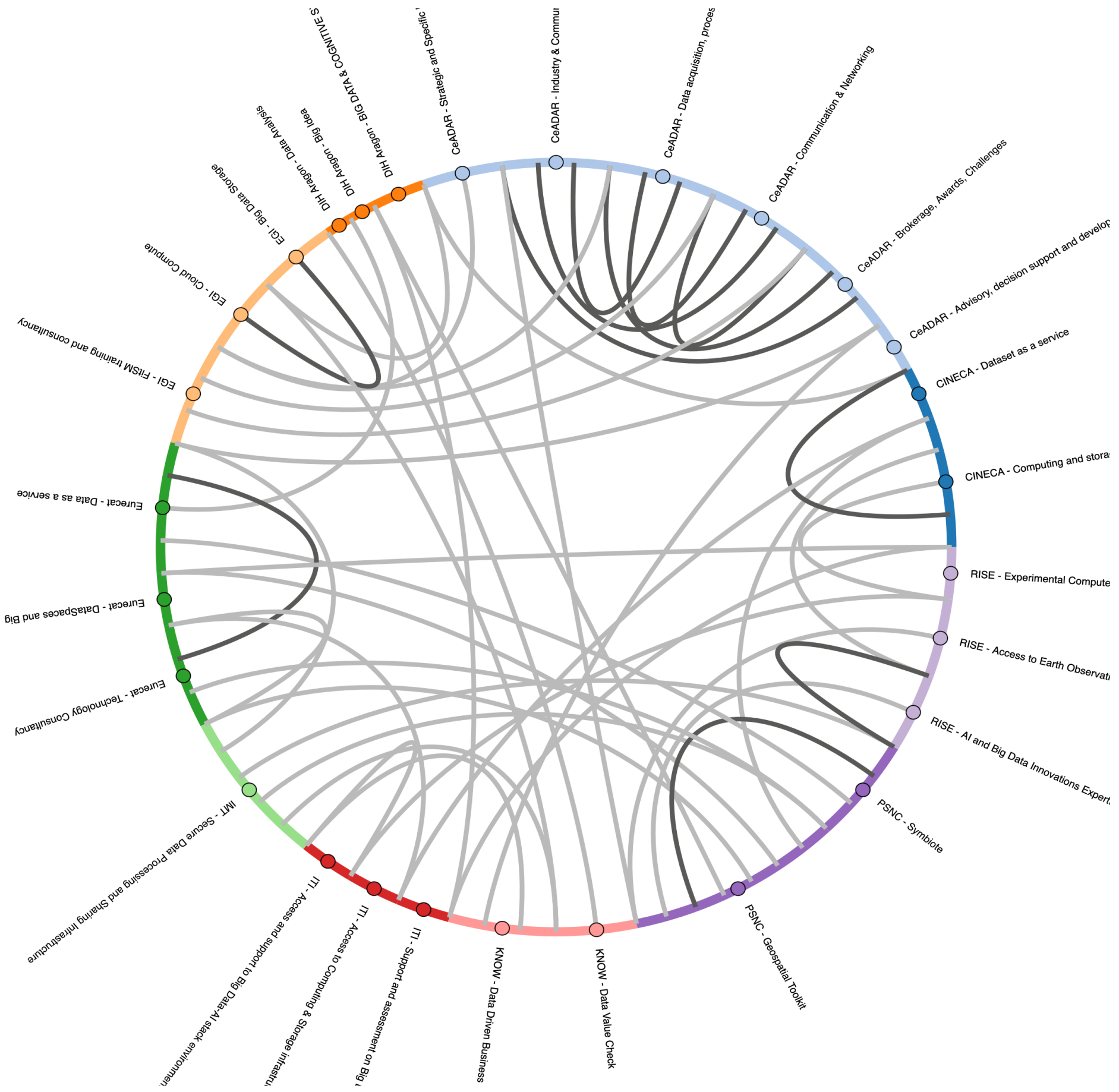
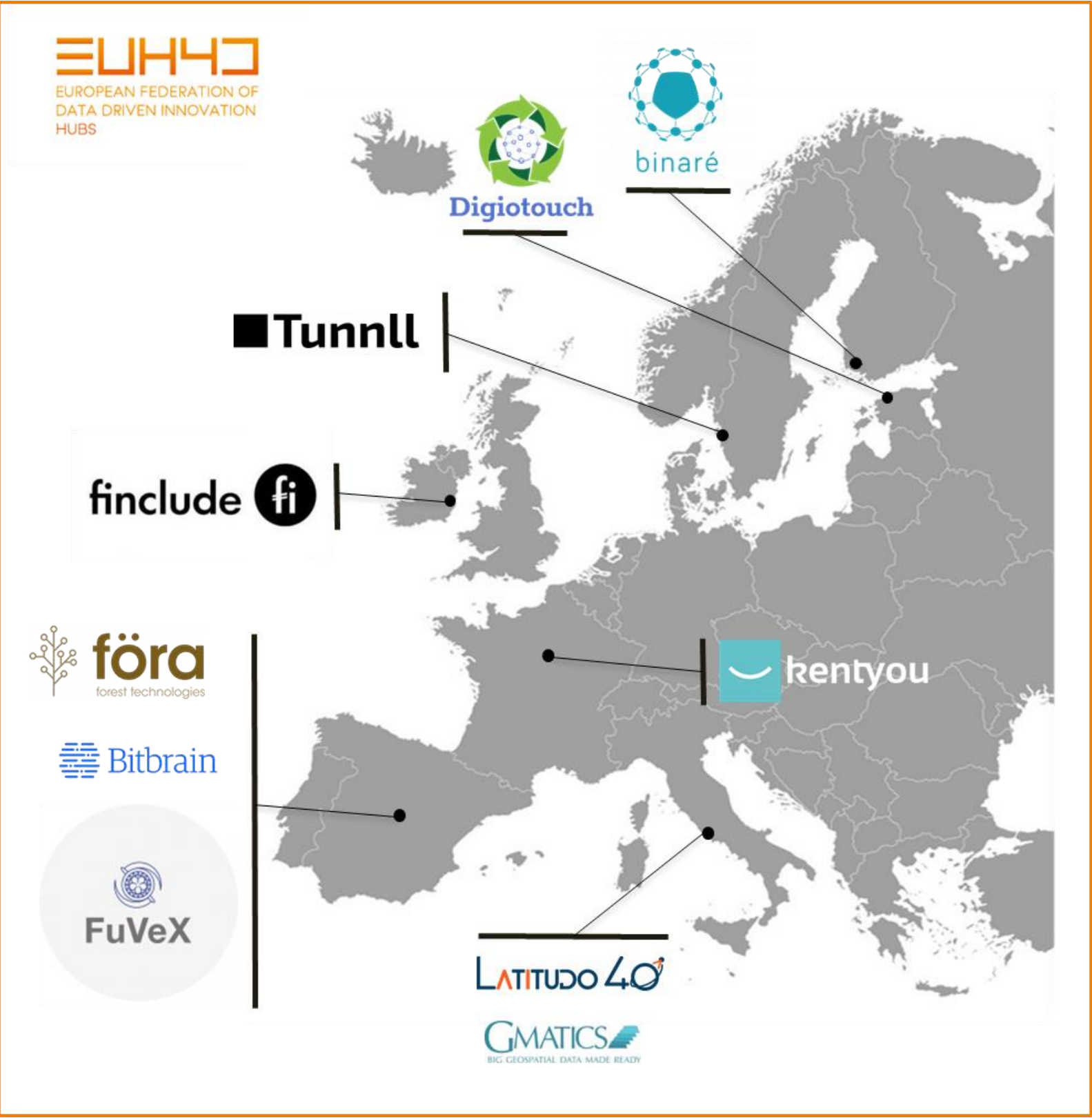
SERVICE NAME (1)	EXTRADRY	DESCRIPTION	EXTRAS	MEMBER
Access and support to Big Data AI stack environment	Big Data Platforms (Full)	Access and support to a ready-to-use Big Data and AI environment...	analysis, artificial intelligence, HDFS, notebooks, Python/R...	The Data Cycle Hub
Access to Big Data resources & consulting services	Big Data Platforms (Full)	EDSIA offers access to ready-to-use Big Data solutions on a cloud...	analysis, Big Data, Hadoop, HDFS, Jupyter, Notebooks, Spark, etc...	EDSIA
Access to Cloud computing resources & consulting services	Computing and Storage (Full)	EDSIA offers cloud computing resources and support to create off...	cloud, containers, virtualisation, VM	EDSIA
Access to Cognitive Big Data infrastructures and technological platforms	Big Data Platforms (Full)	CaDAE provides access to the platform to all its member comp...	Big Data, Cloud, GPU, HPC, Kubernetes, Spark	CaDAE
Access to Computing & Storage infrastructure	Computing and Storage (Full)	Access to a computing & storage cluster with various (barem...	hardware, security groups, storage, VM	The Data Cycle Hub
Access to data space computing facilities	Computing and Storage (Full)	Access to data storage, data computing and data simulation in...	AI, Data Storage, HPC, IoT, virtualisation, simulation, VR	ARIS
Access to Deep Learning GPUs	Computing and Storage (Full)	Access to High Performance Computing (HPC) infrastructure environ...	containers, GPU enabled instances, HPC, notebooks	The Data Cycle Hub
Access to HPC Computing and Storage resources	Proof of Concept (Full)	EDSIA offers HPC computing and storage resources and support to c...	HPC, Storage, GPU	EDSIA
Access to Open Blockchain infrastructure to accommodate and commercialise new technologies	Computing and Storage (Full)	Access to Open Blockchain infrastructure to accommodate...	Blockchain, trading, benchmarking	h2020 EDA - v2018 Smart Hubs
Access to various datasets	Dataset Access	Access to selected datasets from the following domains is provi...	mobility data, energy consumption and generation data, meteor...	h2020 EDA - v2018 Smart Hubs
Advanced data analysis and deep learning & graph-based methods	Advisory and Decision Support	Data analysis service using deep learning and graph-based methods...	data analysis, statistical resources, artificial intelligence	h2020 EDA - v2018 Smart Hubs
Advanced Machine Learning Model Validation and Testing	Big Data & AI Maturity	Free validated Machine Learning models are often available to us...	data analysis, data science, Machine Learning, testing, training...	SDG Smart Data Innovation Lab
Advisory guidance and support to the definition of internal data policy and strategy for companies	Advisory and Decision Support	This service will help companies to define adequate internal data...	Data Policy, Data Strategy, Data Governance, Data Ethics	EDSIA
Advisory, decision support and development	Advisory and Decision Support	CaDAE develops decision for AI and Data Science - it provides advice...	Computer Vision, Continuous Learning, Data Science, Mining, etc...	CaDAE
AI & Data based applications for optimisation of smart grids and smart buildings	Proof of Concept (Full)	Access and technical support to specific use platforms based on A...	Big Data, distributed systems, energy efficiency, smart building...	ARIS
AI & Data Driven Maturity Assessment	Big Data & AI Maturity	Industry assessment as a starting point for developing a digital...	maturity level, identification of risks of action, localization...	Stake Centre
AI adoption amongst companies and	Assessing AI Maturity	The focus is on transition for Data Driven and AI...	applied innovation, trend prediction...	Big Data Hub



EUHubs4Data vision

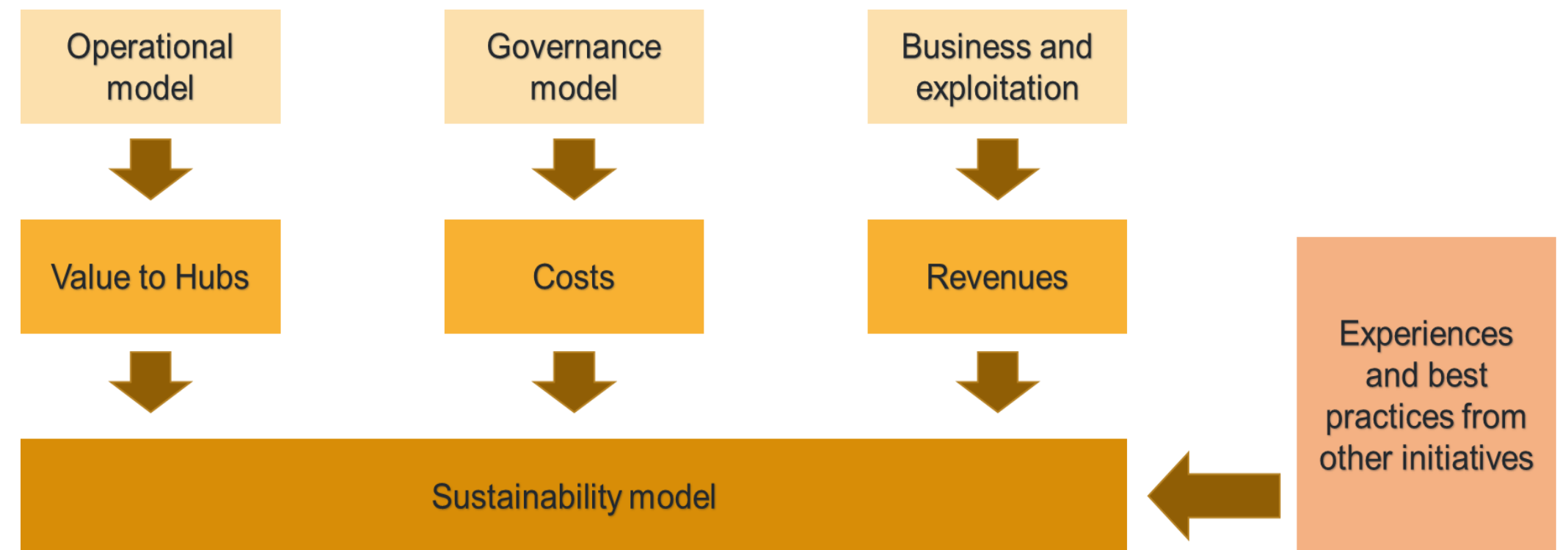


EUH4D common services delivery



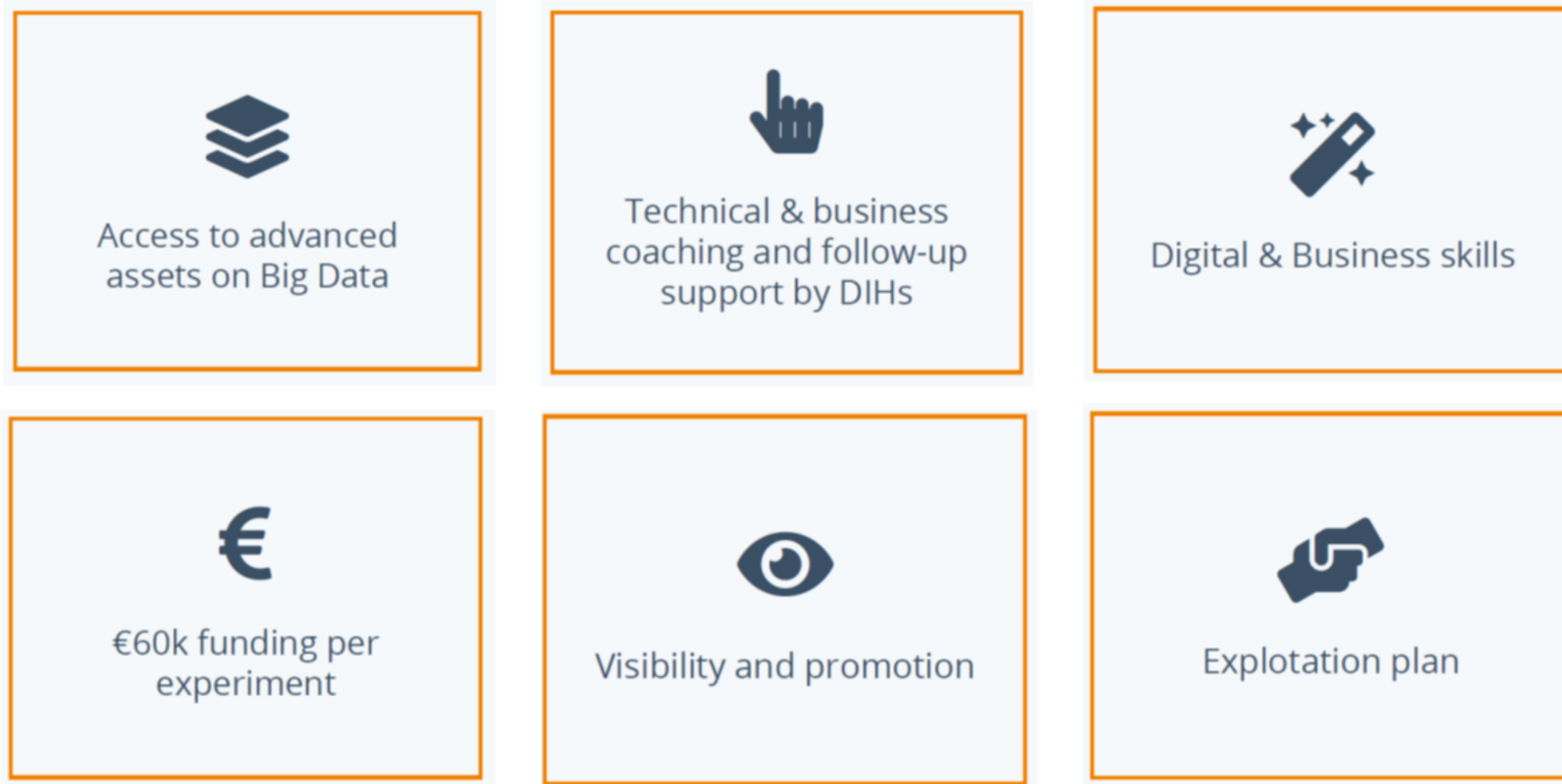
EUHubs4Data exploitation and sustainability plan

- Specific tasks devoted to definition of the plan (led by CARSA)
- Now in the process of identifying relevant KERs in the project
- Main exploitable asset is the federated catalogue
- So far, elements in the catalogue are provided by the DIHs



EUH4D 3rd open call for experiments

<https://euhubs4data.eu/3rd-open-call/>



- 18 experiments selected
- Deadline: November 9th
- Informative webinars:

Monday 19th September 11:00 – 12:00 CET

Tuesday 25th October, 11:00 – 12:00 CET



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Thanks a lot!

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