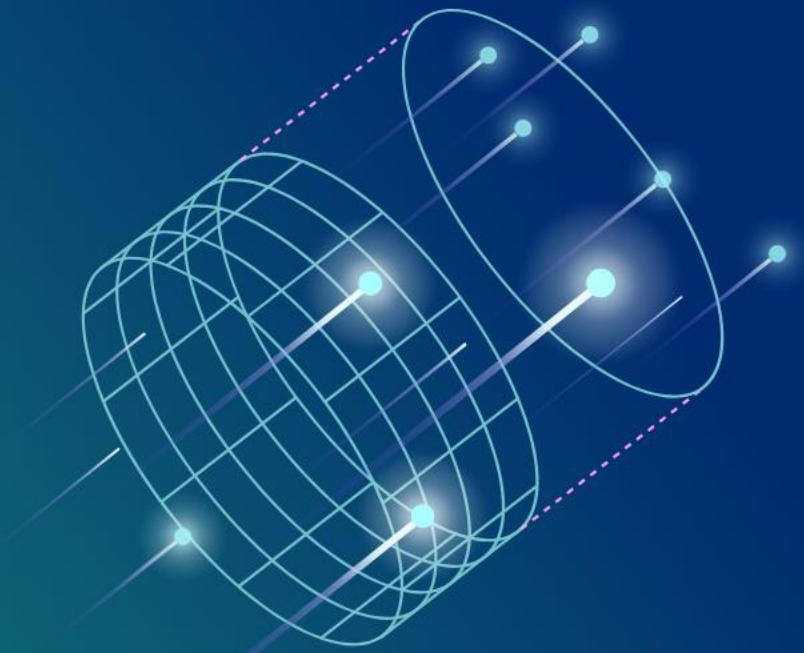
EUROPEAN BIG DATA VALUE FORUM

EuroHPC TRACK

How HPC can boost sustainable development and strengthen competitiveness for Industry and SME



ORGANISED BY:

BDV BIG DATA VALUE ASSOCIATION

IN COLLABORATION WITH:

European Commission

Plan4all

VSB TECHNICAL UNIVERSITY OF OSTRAVA | IT4INNOVATIONS NATIONAL SUPERCOMPUTING CENTER

UNDER THE AUSPICES OF:

EU2022.CZ

ITI INVESTIGATE TO INNOVATE

EUH4D
EUROPEAN FEDERATION OF DATA DRIVEN INNOVATION HUBS

Daniel Alonso

Responsible of Positioning and Promotion (ITI)

BDVA i-Spaces chair

EUH4D project coordinator

ITI in the AI European landscape

- Recognized DIH on AI and Big Data from 2018
- Part of the AI DIH network, including 30 most relevant DIHs in Europe
- Coordinator of the EDIH candidate in the Valencia region
- Members of the BoD of Gaia-X
- Also member of AIOTI, NESSI, IDSA, ECSO, …

BDV i-Space

Infrastructure | Services | Projects / sectors | Ecosystem | Business / sustainability

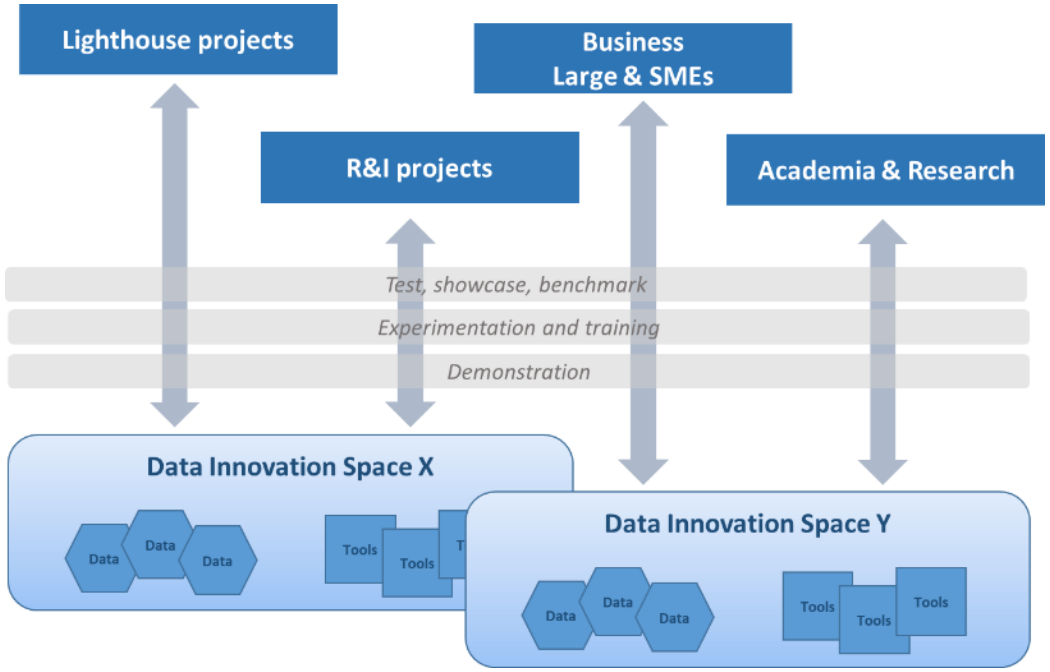
Cross-organizational and cross-sectorial environments, where research on BDV technologies and novel BDV applications can be quickly tested, piloted and exploited

Technical and non-technical activities, bringing data, technology, application developments together, and fostering skills, competences and best practices

Rely on existing national and European initiatives, federate, complement and leverage activities of similar national incubators / environments and existing PPPs

Needs of large and small companies, to ensure access to economic opportunities offered by BDV, testing the viability of actual business deployments

Incubators and accelerators of data driven innovation



- Focused on data, but some of them are also HPC centers: CINECA, RISE, SDIL, HPC4Poland, etc ..

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

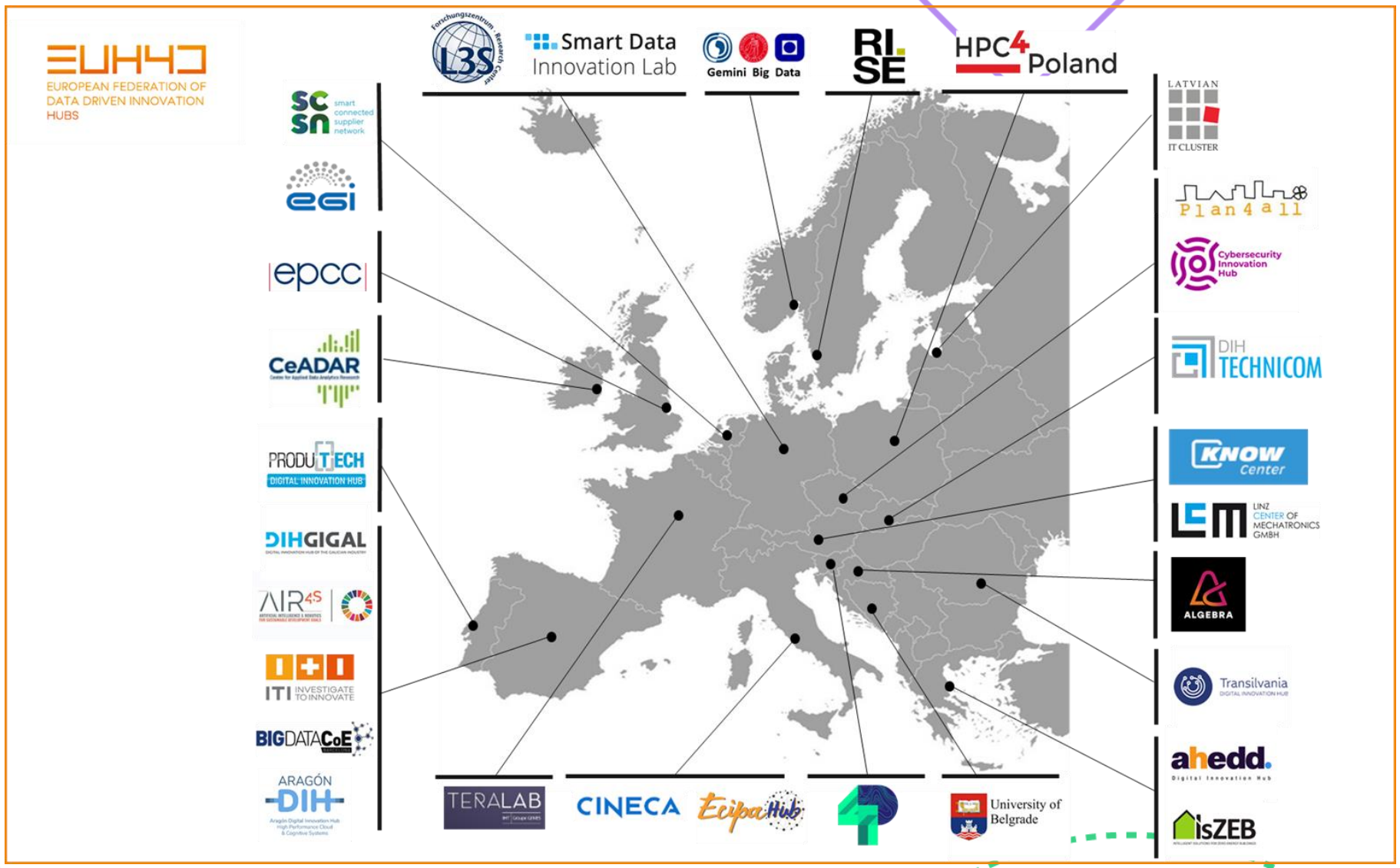
to use the federated data sources and services

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


EUHUB4.0
EUROPEAN FEDERATION OF DATA DRIVEN INNOVATION HUBS
L3S
Smart Data Innovation Lab
Gemini Big Data
RISE
HPC4 Poland
scsn smart connected supplier network
egi
epcc
CeADAR
PRODUTECH DIGITAL INNOVATION HUB
DIHGIGAL
AIR4S
ITI INVESTIGATE TO INNOVATE
BIGDATACoE
ARAGÓN DIH
LATVIAN IT CLUSTER
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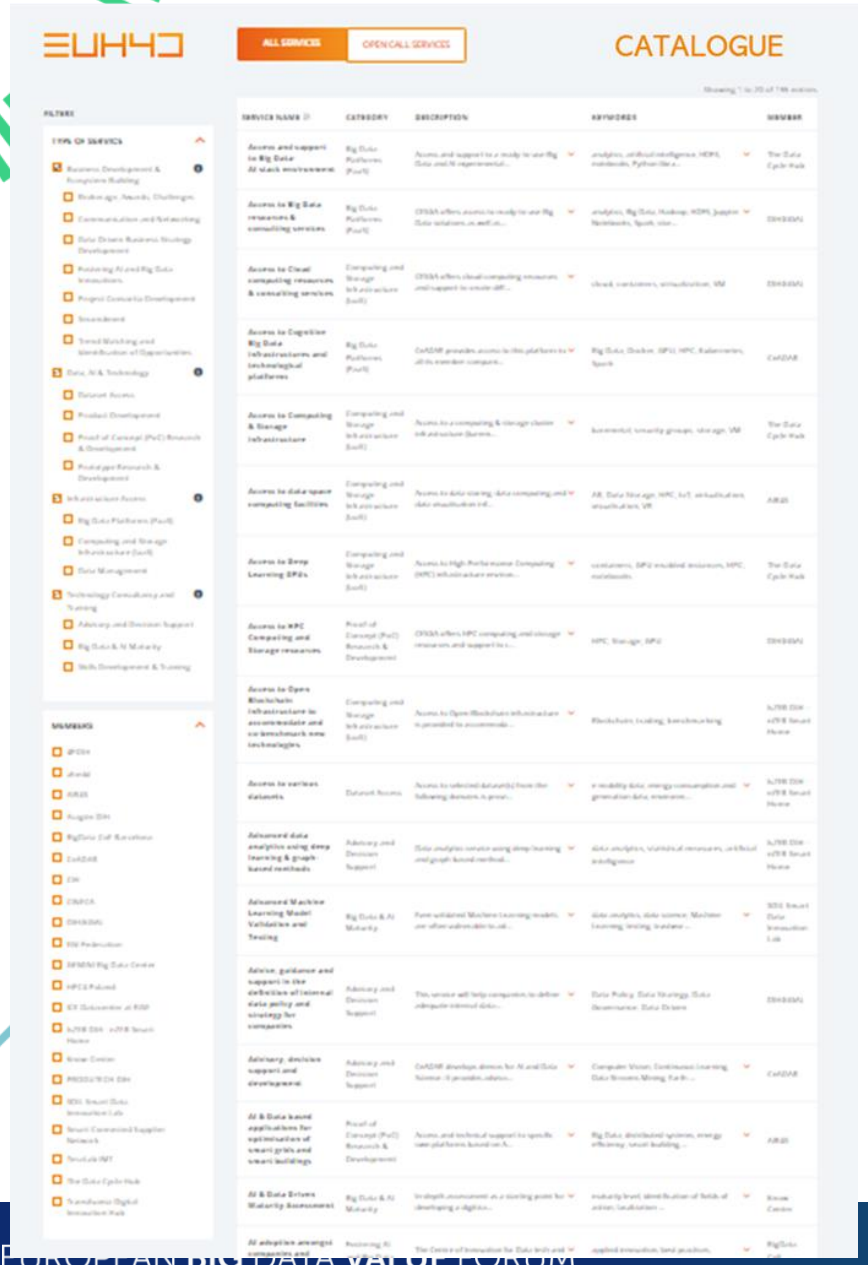
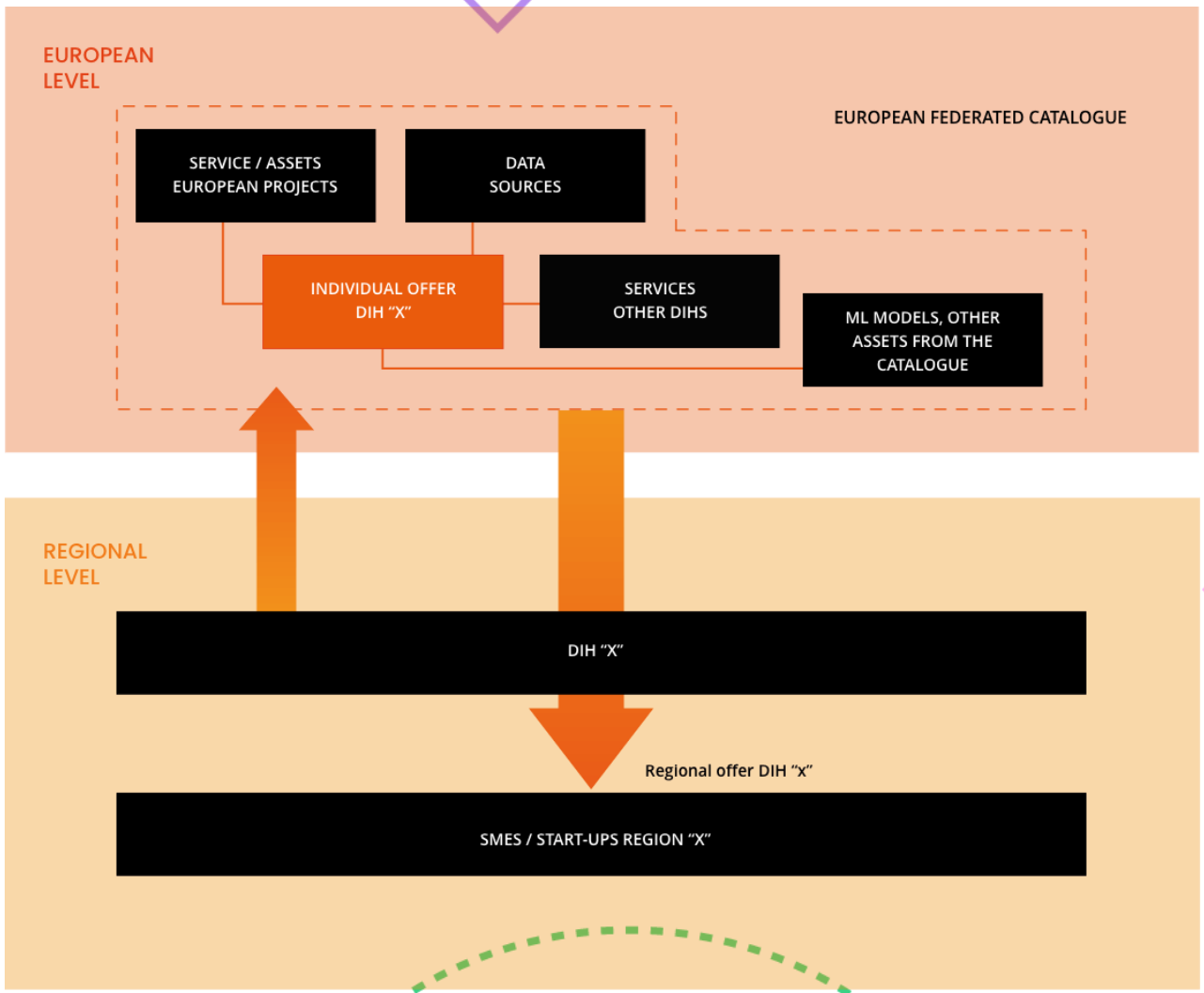
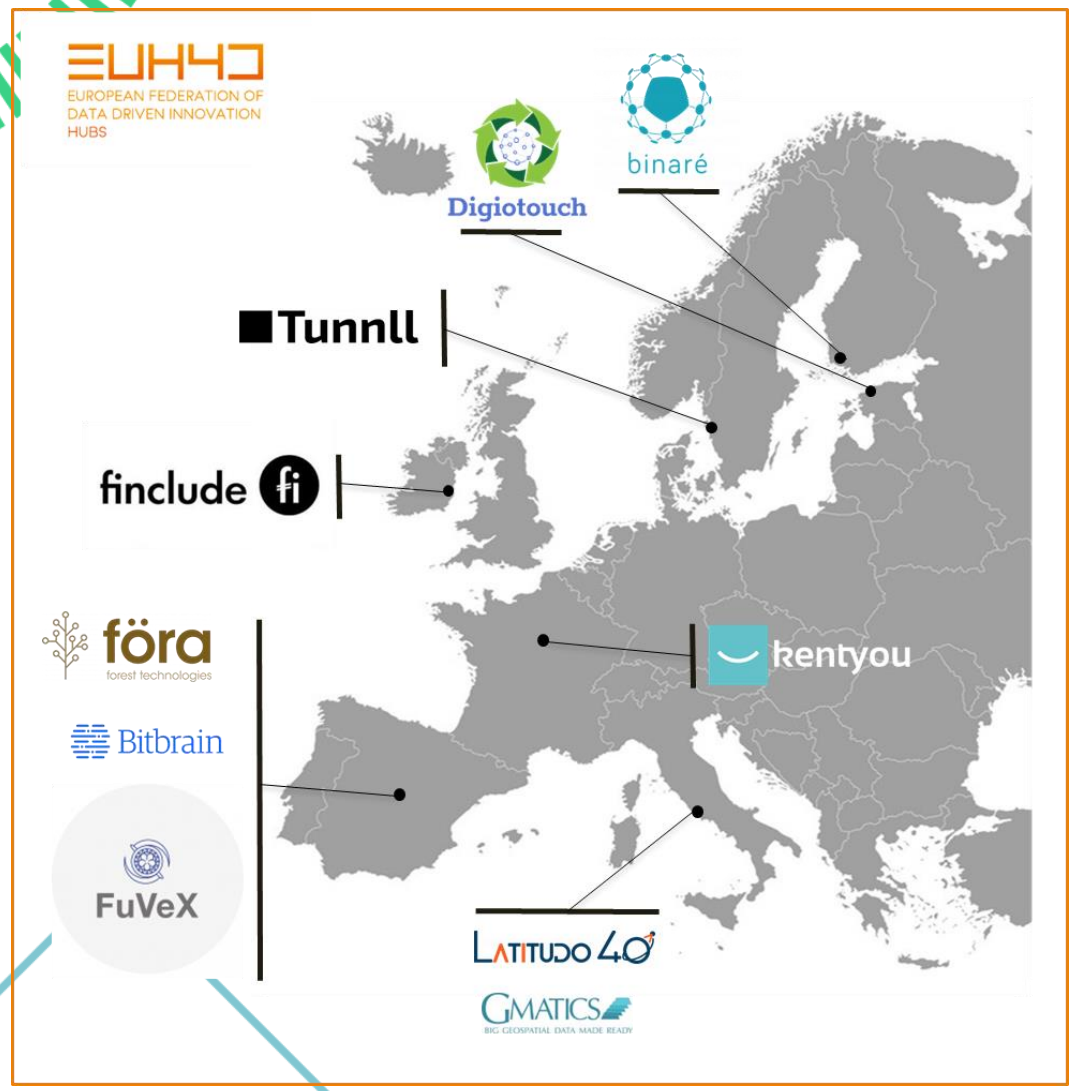
Cybersecurity Innovation Hub
DIH TECHNICOM
KNOW Center
LCM LINZ CENTER OF MECHATRONICS GMBH
ALGEBRA
Transilvania DIGITAL INNOVATION HUB
ahedd. Digital Innovation Hub
isZEB
TERALAB
CINECA
EcijaHub
University of Belgrade

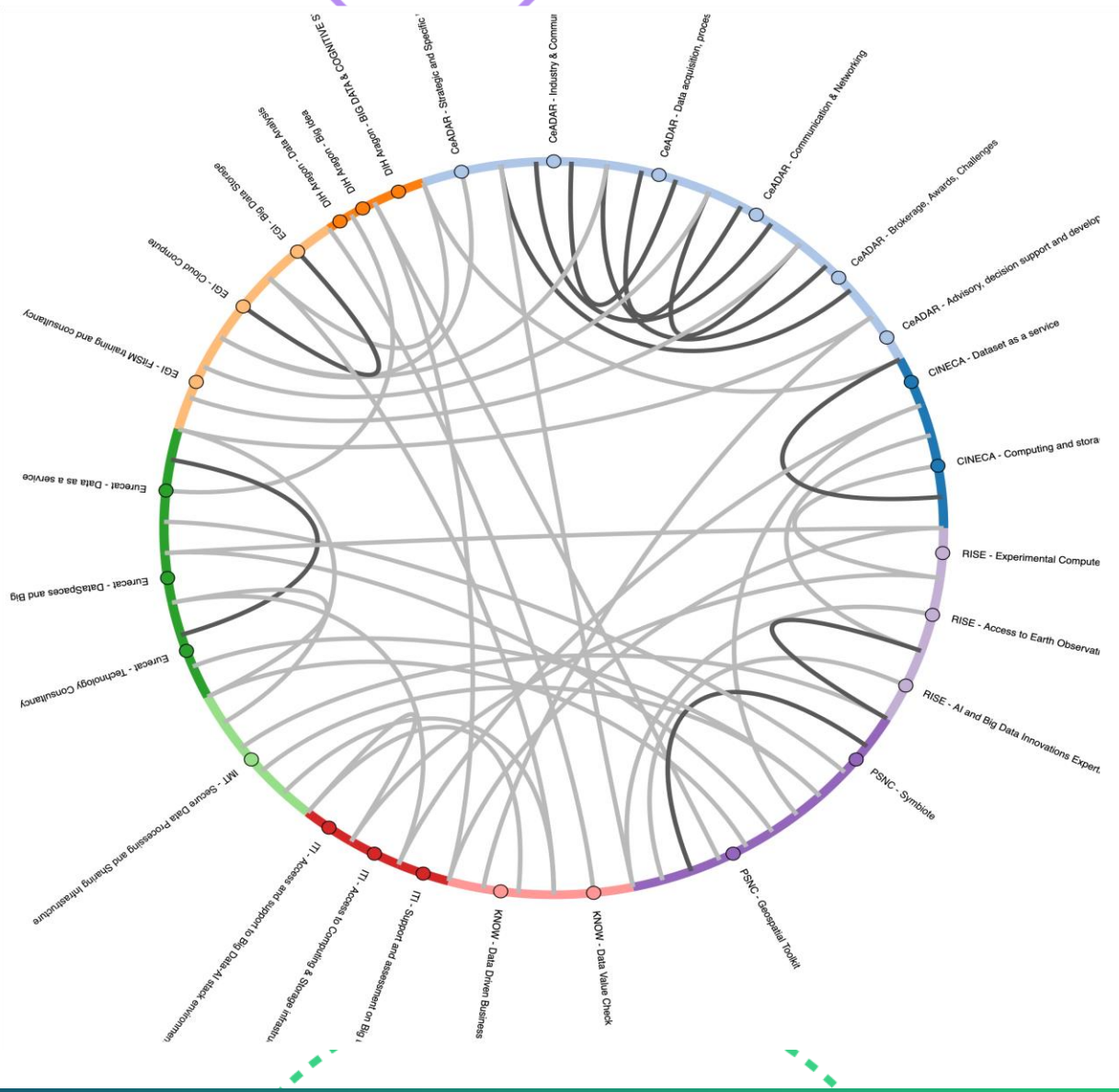
EUH4D Federated Catalogue





SMEs and experiments





- Some BDVA i-Spaces / EUH4D hubs are already offering HPC services as part of the federated catalogue
- Computing services are among the most demanded and valued by SMEs in the experiments
- Useful for those EUH4D hubs not offering HPC to know where to connect so HPC services can be part of their catalogue
- EUH4D already in contact with EuroCC (part of EUH4D strategic stakeholders group)

Potential synergies

- Both experimentation programmes (based on open calls) with a similar approach, with AI in common
- Respective networks of hubs / CC supporting the adoption of both technologies
- BDVA i-Spaces as a one-stop-shop for SMEs, natural gate to HPC at regional level for small actors
- EUH4D federation interface between data spaces and HPC infrastructure: combination of data access, service and infrastructure access combined with local ecosystem as a solid basis

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Thank you!

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