EUHubs4Data: The federation of Big Data Innovation Hubs

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@BDVA_PPP, @ITI_TIC, #bdvpppseries

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ITI INVESTIGATE TO INNOVATE

Data Innovation Spaces identified by BDVA as a key instrument to foster DDI
The Origin of EUHubs4Data

Environments for data driven innovation and experimentation, 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

BDVA SRIA - http://bdva.eu/sites/default/files/BDVA_SRIA_v4_Ed1.1.pdf

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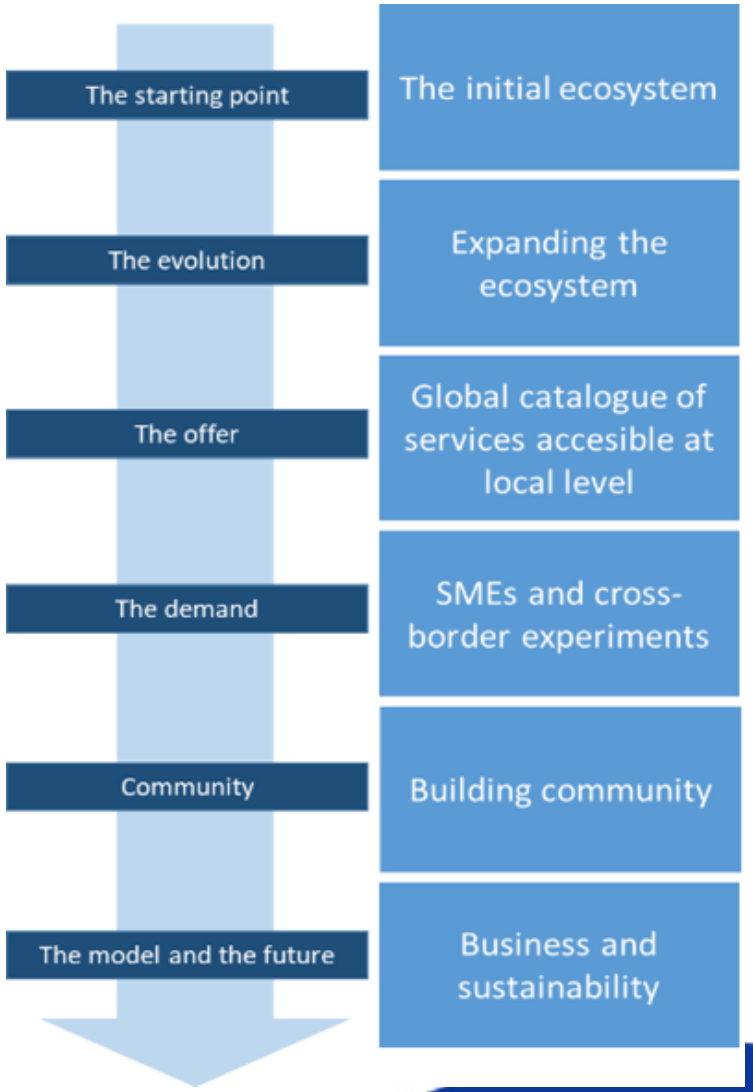
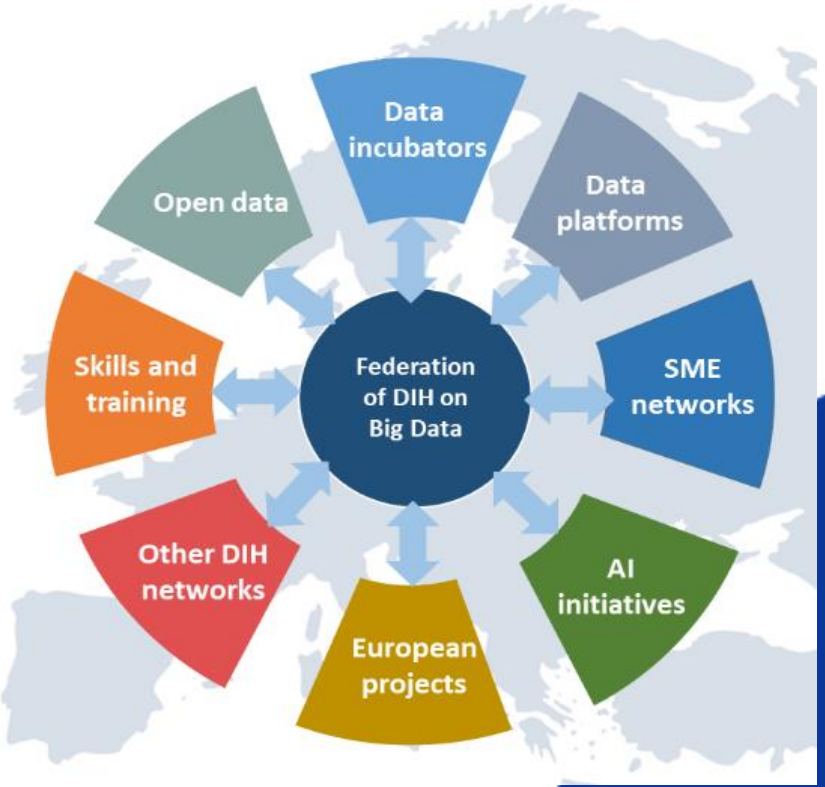
EUHubs4Data – European federation of Data Driven Innovation Hubs

- *European federation of Big Data Digital Innovation Hubs*
- *Contribute to create the European Common Data Space*
- *Global catalogue, local offer*
- *SMEs and start-ups access to a global catalogue of data sources and federated data driven services*
- *Latest developments on Data Analytics and advanced assets on Big Data to companies all across Europe*
- *Creation of innovative products and solutions through data sharing*
- *European reference on innovation and experimentation on Big Data*





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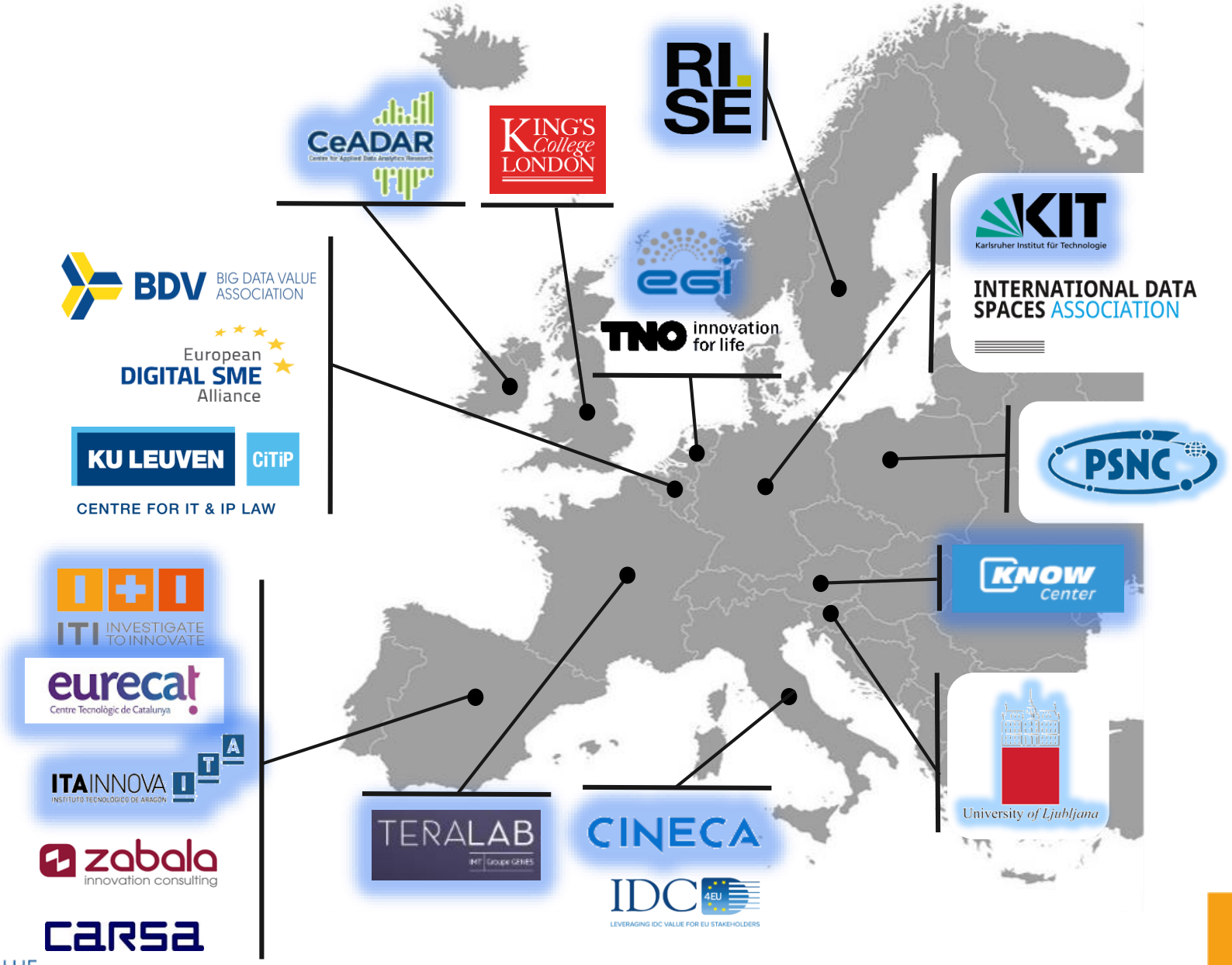

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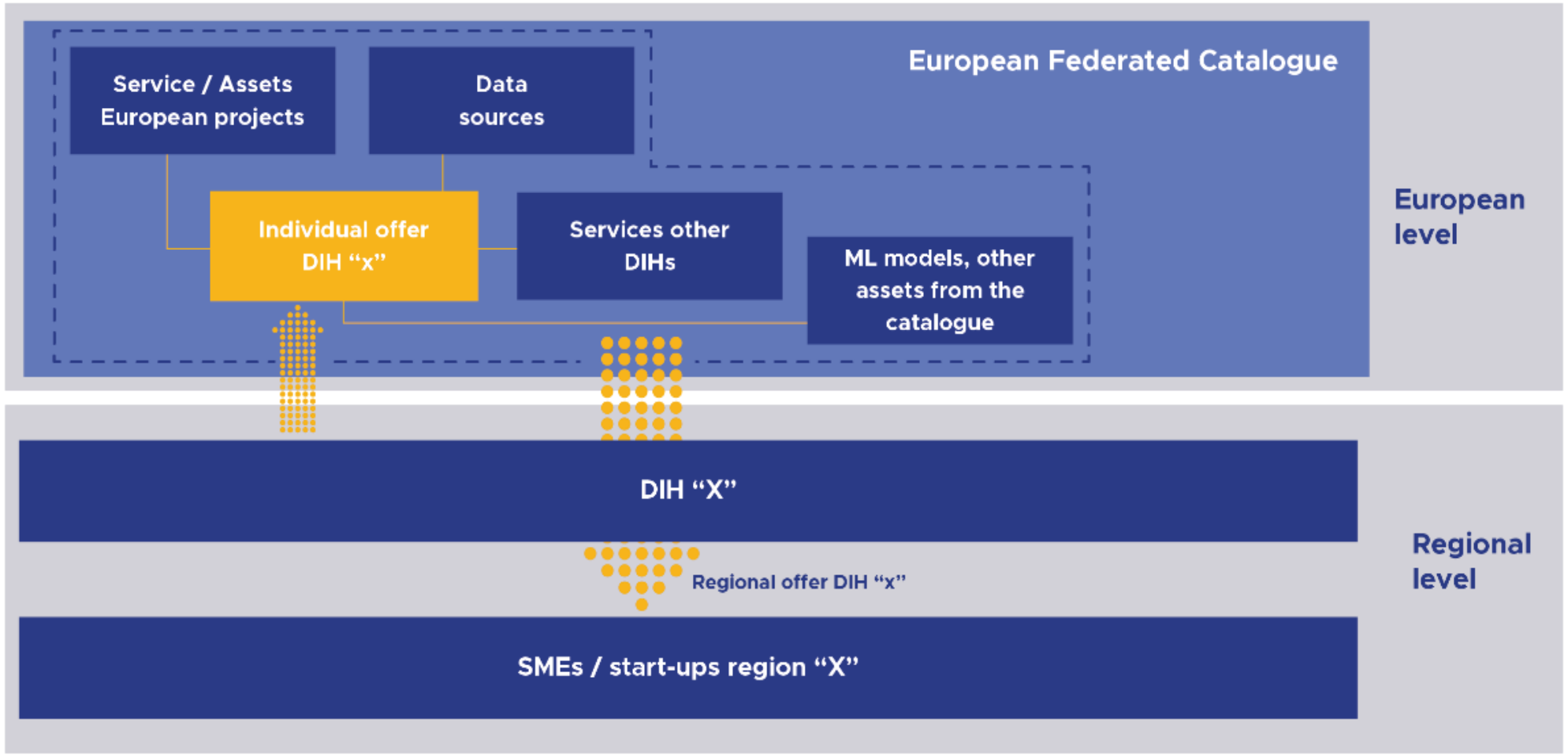
Combining the regional and the European view



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Pre-identified Services

Ecosystem building

Community building

SME and people engagement
Brokerage, awards, challenges
Technology scouting
Communication

DIH innovation development

Trend watching
Visioning and strategy development

Ecosystem governance

Services impact assessment
Ecosystem management

Technology provision

Ideas management and materialization

Ideas, generation, assessment, feasibility study
Technology readiness assessment

Contract research

Specific strategic R&D
Technology concept development, proff of concept (PoC)

Technical support on scale up

Concept validation
prototyping

Verification and validation

Product qualification and certification
Product demonstration

Business development

Incubation and acceleration support

Basic facilities
Specialised facilities
Business development
Guidance

Access to finance

Financial engineering
Connection to funding sources

Business training / education

Methods and tools, business operations modelling
Secondment

Project development

Identification of opportunities
Creating consortia
Development of proposals

Maturity assessment and skills

Process and organizational maturity

Maturity assessment
Maturity strategy development

Human capabilities and maturity

Human skills maturity
Skills strategy development

Skills improvement

Human up-skilling, re-skilling training
Educational programs
Scouting and brokerage

Data Value Chain

Data acquisition and sensing

Data acqusition
Data protection

Data processing and analysis

Data storage
Data analytics

Decision-making

Cognitive Big data architectures
Decision support and development

Physical-human action and interaction

Collaborative intelligence
User experience
Feedback loop

Data sharing

GDPR and data sovereignity
Data Spaces
Data Platforms

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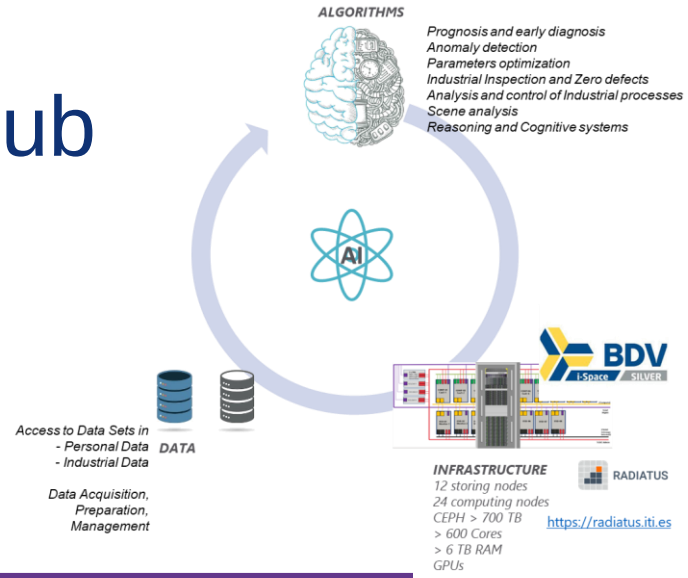
ITI Data Space / Data Cycle Hub

VISION AND MISSION

The ITI **Data Space is a common infrastructure that facilitates a safe and reliable environment for the development of projects that require Big Data, IA and HPC.** is a reference one-stop shop in the Valencia region to foster data driven and artificial intelligence based innovation.



KEY EXPERTISE

- *Robust Data Gathering (CPS)*
- *Robust Data Communication (IoT)*
- *Distributed Data Processing and traceability (Cloud & Blockchain)*
- *Big Data & statistics Analytics*
- *Natural Language Processing*
- *Machine Learning, Deep Learning, Graph mining, predictive & prescriptive models, digital twins*

KEY SERVICES

- *Data maturity assessment*
- *Access to Data & infrastructures*
- *Support to experiments*
- *R&D and PoC*
- *Prototyping and concept validation*
- *Ecosystem Building*
- *Funding*
- *Data & AI Technology Watch*
- *Ethics and legal on Data*
- *Skills/Training*
- *Brokering/Consortium Building/Innovation Scouting*
- *Data governance*

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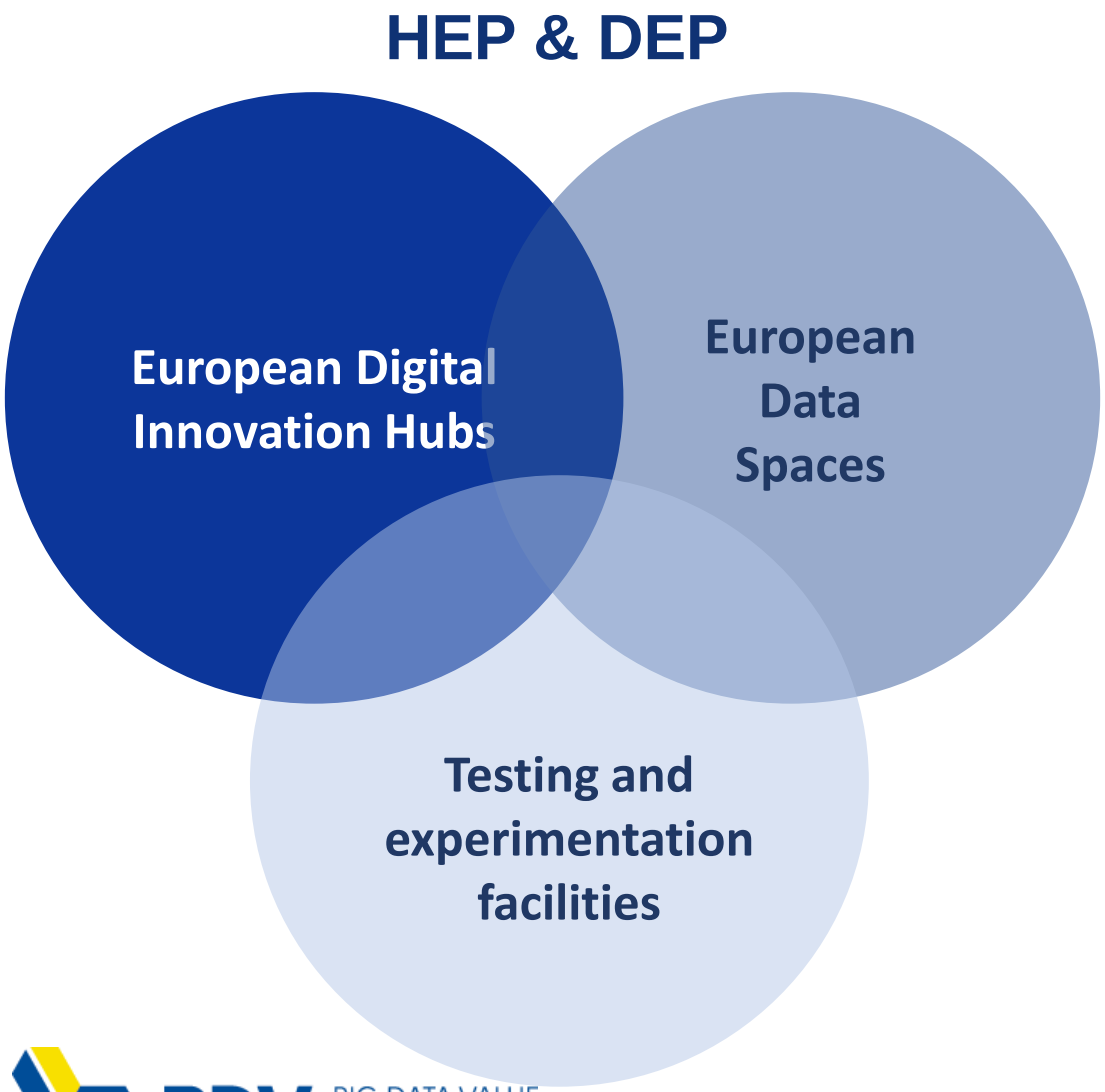
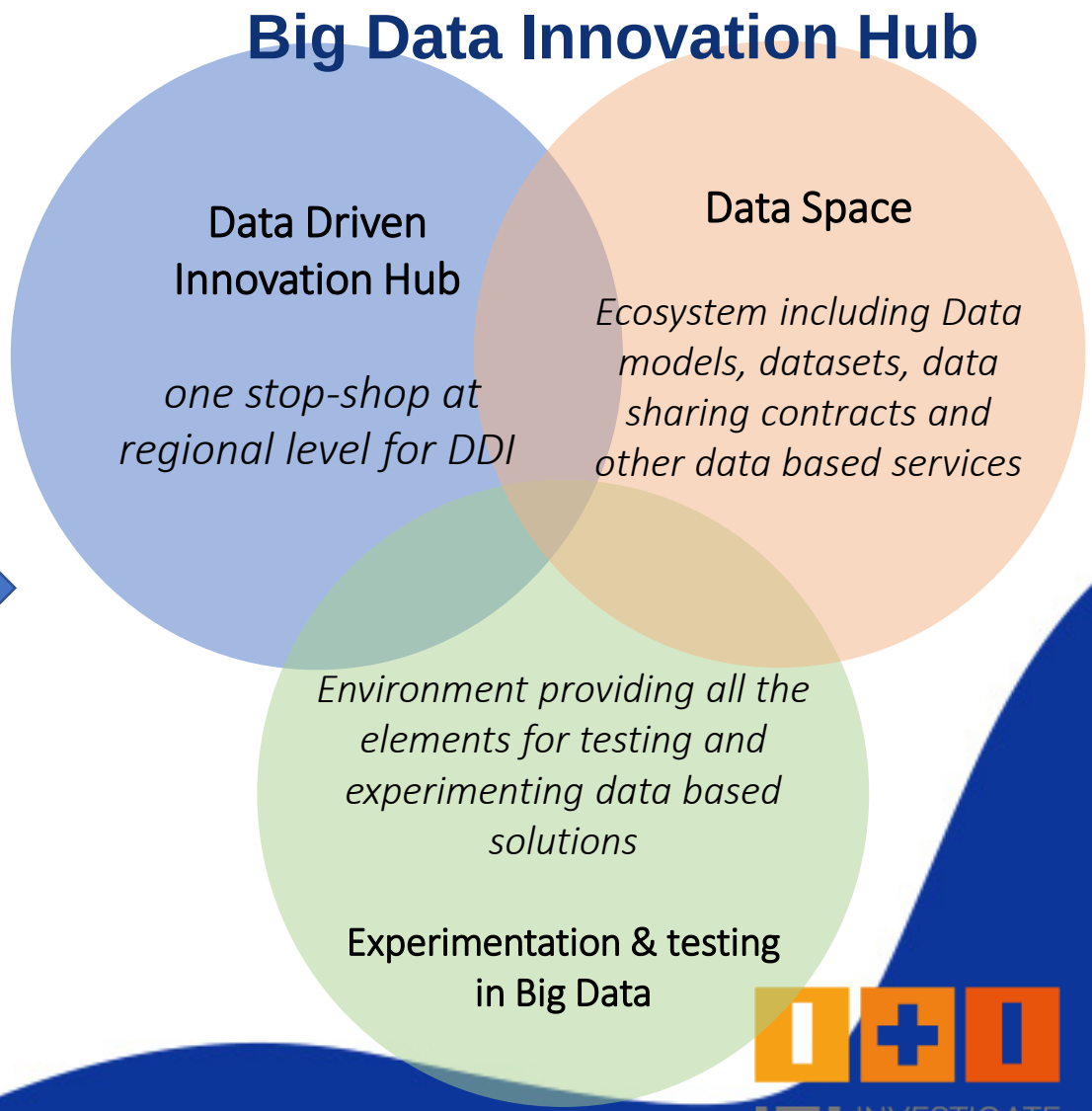
EUHubs4Data, in the transition to HEP & DEP





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Thank you all!

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