





European Federation of DataDriven Innovation Hubs

Introduction, motivation, achievements, challenges

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Project coordinator





Towards an European common data space ...









530%

data volume

in 2018 to 175

zettabytes

increase of global

From 33 zettabytes







economy in the From €301 billion (2.4% of EU GDP)

in 2018

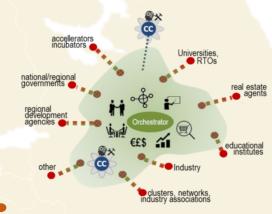


10.9 million

professionals in the EU27 From 5.7 million in



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

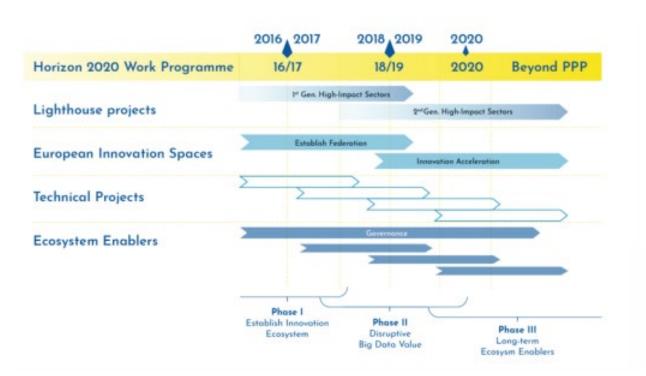


- Regional innovation ecosystems operating mostly in an isolated way
- Lack of real / practical cooperation among regional DIHs
- Service offering constrained to regional ecosystem
- Data not mobilized at European level
- SMEs do not access to data at European level
- SMEs do not benefit from data driven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



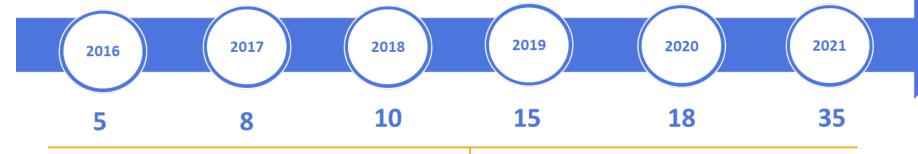










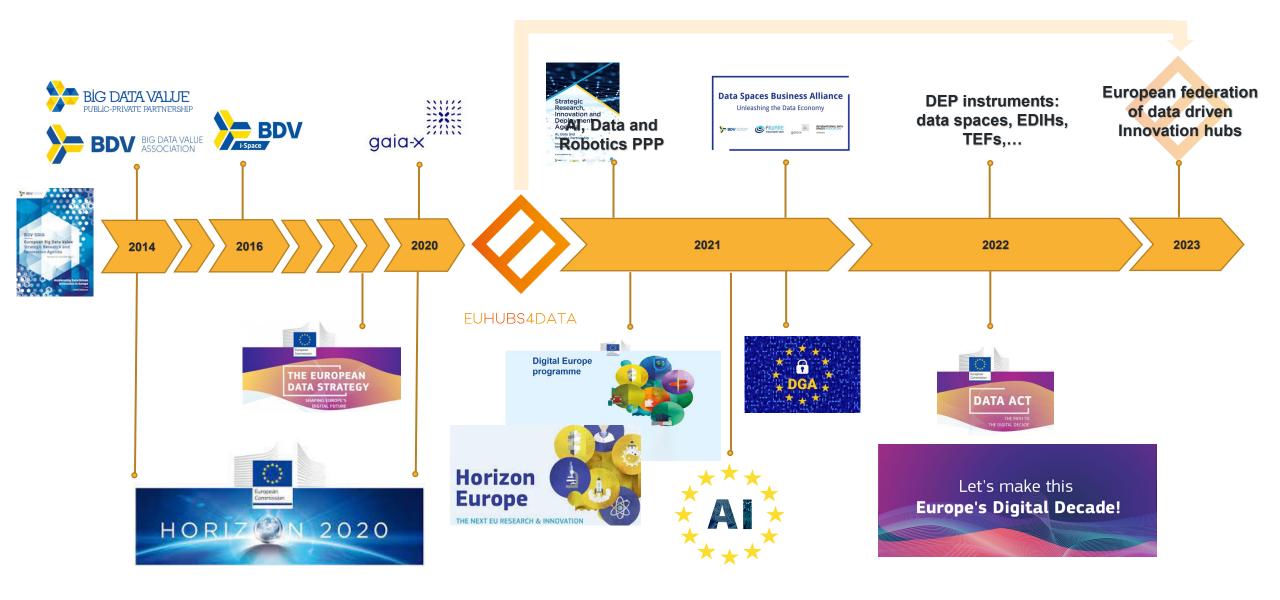


Federation of i-Spaces / data driven hubs

















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

- Duration:

 40 months (starting 1st
 September 2020, ending
 31st December 2023)
- Coordinator. |T|
- Budget: 12.5 M Euros

- *Partners*. 21 institutions from 12 different countries(ES, IT, NL, FR, DE, SE, AT, IE, SI, PL, UK, BE)
- WPs. 10
- *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





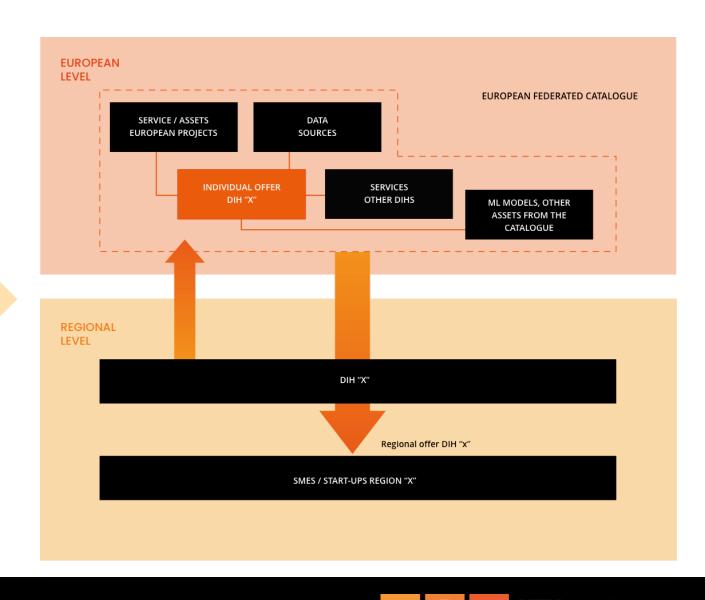






EUH4D Federated Catalogue

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EUH4D Federated Catalogue back end

Interoperability Joint delivery framework Catalogue Manager **Trusted** DIH2 <u>IDS</u> Provided by TNO Metadata broker **Datasets** Certification EUHubs4data Central Catalogue Metadata Authority Website Manager Node **Enrichment** Catalogue Dynamic Manager EUHubs4data Attribute **Datasets** EUHubs4data **Broker** Federated Provisoining Metadata Training platform **Datasets** Service Harmonization Catalogue Portal Connector Description Catalogue \blacksquare Manager Sync agent Omms Back End DIH A Local instance Local. NATS Catalog Sync agent Back End Back DIH B End

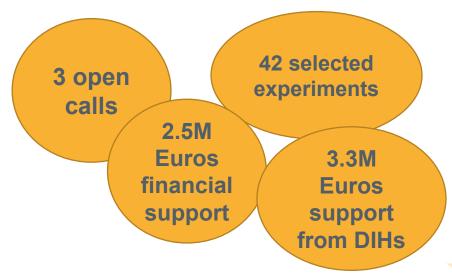




DIH C

Local Agent

Open calls for experiments



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PRIME - Over Call - Experiments

EXPERIMENTS

Find out the introvative data driven experiment to selected to be part of LUL Absolutes programme and no SMEs abound them. They represent recovery examples of the out fine facilitation for locating cross-borted data driven improved to make play and set activities from the financial includes, that to large play and set activities from the financial canaging, and to consider from the financial canaging, and to consider them to the financial canaging of the consideration of the consideration

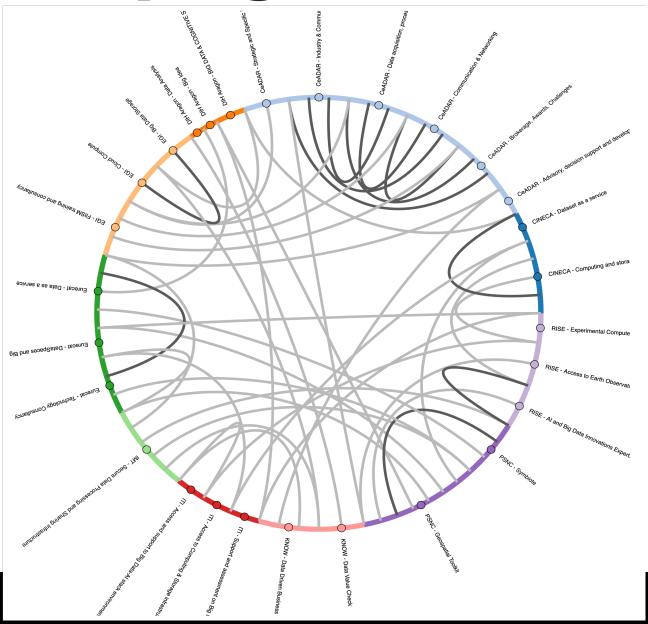
- Attract end users to the assets of the federation: awareness
 - Support SMEs and start-ups in the creation of innovative data driven solutions and services
 - Foster collaboration among DIHs of the federations
 - Check the user satisfaction, improve the joint service delivery
- Keep the demand side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



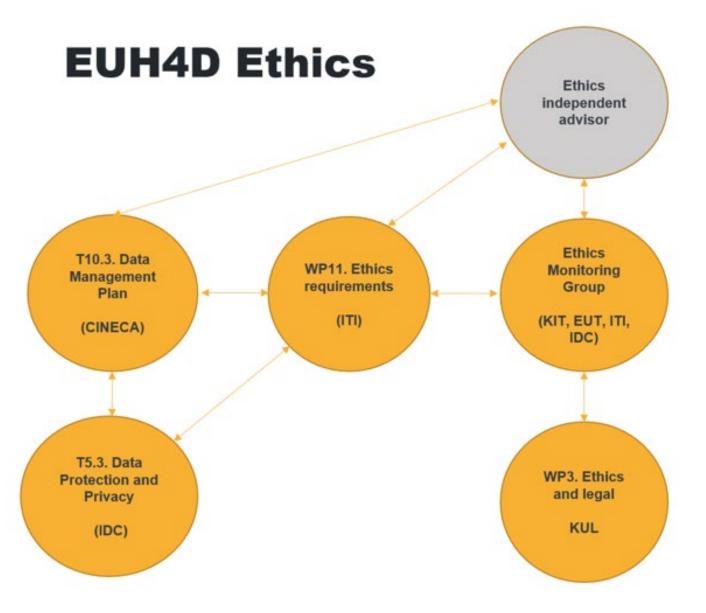


EUH4D experiments programme









- 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?

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ITI, Project Coordinator



www.euhubs4data.eu



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