European Federation of Data Driven Innovation Hubs

Introduction, motivation, achievements, challenges

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Project coordinator
Towards an European common data space ...
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
**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
EUH4D Federated Catalogue
EUH4D Federated Catalogue back end

- Interoperability

- Joint delivery framework

Trusted IDS

Provided by TNO

Certification Authority

Dynamic Attribute Provisioning Service

Metadata broker

Identity Provider

UL

EGI

ITI

KNOW

IMT

DIH1

Catalogue Manager

DIH2

Catalogue Manager

EUHubs4data Website

EUHubs4data Training platform

EUHubs4data Federated Datasets Catalogue Portal

Datasets Metadata Enrichment

Central Node

Datasets Metadata Harmonization

• Joint delivery framework

EUH4D Federated Catalogue back end
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?

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