



EUROPEAN FEDERATION OF
DATA DRIVEN INNOVATION
HUBS

IOTWeek

Dublin
June 20-23, 2022

Offering and Experiences of the European Federation of Data-driven Innovation Hubs

“Impact of the Federation”

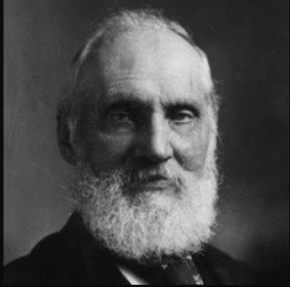
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The EUHUBS4DATA project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 951771



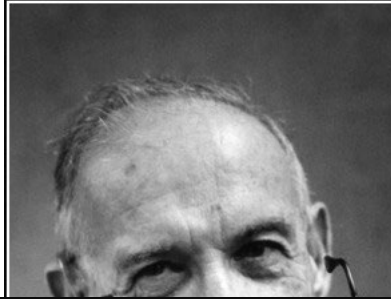
This project is part of [BDV PPP](#)



If you can not measure it, you can not improve it.

~ Lord Kelvin

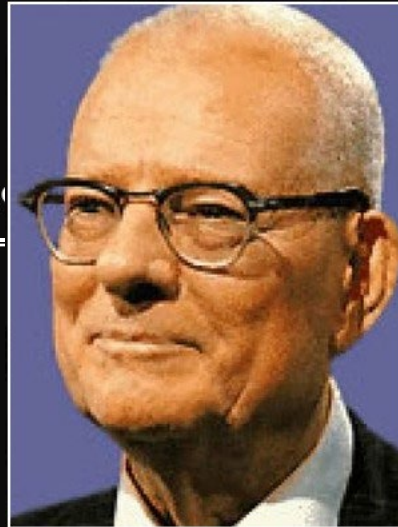
AZ QUOTES



If you want it, measure it. If you can't measure it, forget it.

— Peter Drucker —

AZ QUOTES



It is wrong to suppose that if you can't measure it, you can't manage it - a costly myth

— W. Edwards Deming —

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You

can't measure it, you probably manage it Things you measure tend to improve.

— Ed Seykota —

AZ QUOTES



AZ QUOTES

Performance Monitoring and Impact Tracking

High Expectations Ambitious Objectives



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Access to data and data sharing

Enlarging the federation

Engaging SMEs

Quality and satisfaction

Improve data skills

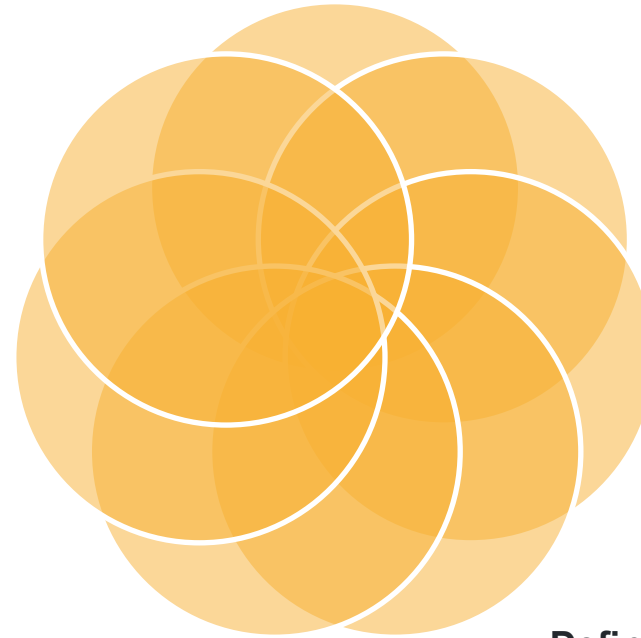
Communication

Identify **training and skills needs** from the different stakeholders and **define and implement a training programme**.

Building a community around the data economy, made up of researcher's industry, policy makers and data service providers

Ensure impact and visibility of the federation, attracting end users, **disseminating** results and best practices

Creation of the European **Common Data Space** and fostering **data driven innovation** in Europe.







Create a pan-European **federation of DIHs** focused on data driven innovation **supporting SMEs** and start-ups **bring data driven products to the market**

Accelerate the **creation of innovative products** and solutions through data sharing, **federation of datasets** and provision of cross-boundary services

Define a scalable model of use, growth, and **sustainability of the federation**, including a go-to-market strategy, unique value proposition




Overall Impact of the EUH4D Program (I)

Access to Data and Data sharing

| KPI ID | Impact area | KPI Definition | Measurement Baseline | Target Month 18 | Measurement month 18 |
|--|---------------------------------|---|--|--|--|
| KPI01.1  | Access to Data and Data sharing | Annual increase of number of datasets shared, re-used, or traded | There were 0 at M0 79 at first catalogue release | There are no targets for month 18 as this KPI is simply expected to increase at 25% yearly. | 160 open data sources (60 repositories and 100 individual public datasets) 14 new private datasets from Experiments |
| KPI01.2  | Access to Data and Data sharing | Annual increase of catalogue volume of data in datasets that are shared, re-used or traded | 0 | There are no targets currently in the DoA. | Volume of data in terms of MBs transferred, was not measured |
| KPI02  | Access to Data and Data sharing | Number of new datasets resulting from cross-border experiments | 0 (at beginning and also at month 12) | There are no targets currently foreseen in the DoA,. | There are 14 new publicly shared. An additional 14 internal datasets |
| KPI03  | Access to Data and Data sharing | Higher performance of participant SMEs compared to industry benchmarks | 0 | No target provided in proposal | This will be assessed at the end of the financial year (and subsequent FYs). |





Overall Impact of the EUH4D Program (II)

Enlarging the Federation

| KPI ID | Impact area | KPI Definition | Measurement Baseline | Target Month 18 | Measurement month 18 |
|--|---------------------------------|--|----------------------|--|----------------------|
| KPI10  | Access to Data and Data sharing | Increase the number of DIHs in the federation | 12 | Target is 20 for month 24 | 30 |
| KPI11.1  | Access to Data and Data sharing | Extend the federation Regional Geographical coverage | 12 | Target is 20 by the end of the project M40 | 30 |
| KPI11.2  | Access to Data and Data sharing | Extend the federation Member State Geographical coverage | 10 | Target is 14 by the end of the project M40 | 20 |





Overall Impact of the EUH4D Program (III)

Engaging SMEs

| KPI ID | Impact area | KPI Definition | Measurement Baseline | Target Month 18 | Measurement month 18 |
|--|---------------|--|----------------------|--|---|
| KPI04.1  | Engaging SMEs | SMEs directly involved in the data driven innovation programme | 0 | Target is 60 by the end of the project M40 | 10 new resulting from OC1 14 new resulting from OC2 |
| KPI04.2  | Engaging SMEs | SMEs applying to the open calls | 0 | Target is 240 by the end of the project M40 | 93 new in OC1 from 22 countries 78 new in the OC2 21 countries |
| KPI04.3  | Engaging SMEs | SMEs / start-ups / web entrepreneurs directly contacted through Open Call Outreach | 0 | No target provided in proposal | 1000 SMEs contacted Participants: 45 SME Roadshow; 98 YouTube recording; 350 direct mailing; 25 working group meetings; 20 external meetings |
| KPI05  | Engaging SMEs | Revenues of directly involved SMEs increased | 0 | No target provided for month 18 a generic +30% | Insufficient time to assess effect on revenues. |





Overall Impact of the EUH4D Program (IV)

Quality and Satisfaction

| KPI ID | Impact area | KPI Definition | Measurement Baseline | Target Month 18 | Measurement month 18 |
|--|--------------------------|--|----------------------|---|---|
| KPI06  | Quality and Satisfaction | Number of new services offered by DIHs | 76-90 | Target is additional 15 % at month 24 | Catalogue contains 161 cross DIH services |
| KPI07  | Quality and Satisfaction | Achieve demonstrated satisfaction by the users of EUH4D | 0 | Target requires redefinition as it is set at an additional 15% in month 24 | OC Experiments have not finished at M18. |
| KPI08  | Quality and Satisfaction | Fitness to the market: experiments are aligned with targeted users' needs | 0 | KPI Not Described | OC Experiments cannot measure fitness at M18. |
| KPI09  | Quality and Satisfaction | Documented Data Driven Innovations | 0 | 20 by the end of the project | 13 documented innovative solutions at month 18 described in D7.1 10 experiments highlighted on portal |

Overall Impact of the EUH4D Program (V)

Improve Data Skills

| KPI ID | Impact area | KPI Definition | Measurement Baseline | Target Month 18 | Measurement month 18 |
|--|---------------------|--|----------------------|--|---|
| KPI12  | Improve Data Skills | Organization of European and Regional Training Events and Webinars | 0 | 10 per year (no m 18 KPI expected but we will | 18 events already held 84 online courseware packages available |
| KPI13  | Improve Data Skills | Participation in Common Training Program | 0 | Expect 300 total at M40 | 262 People |
| KPI14  | Improve Data Skills | Achieve high level of satisfaction | 0 | Expect 80% satisfaction at M40 (KPI must be redefined) | Satisfaction on a scale of 10 respondents gave trainings and average of 8.9 |
| KPI15  | Improve Data Skills | New job profiles created in companies engaged in EUHubs4Data | 0 | Not expected for year I; Expect 20 M40 | 8 new jobs resulting from experiments described in D7.1 |

Contribution by Experiments

Use of Data Sets

- From DIHs

Generation of new datasets

- Public
- Internal for generation of Solution

Data-driven solutions

- New products
- New Services

Employment

- New Job descriptions
- Hired or planned Hires



TUNNLL

Fault-tolerance. The system shall be able to continuously operate without any manual intervention for N hours

Accepting orders under high load. The system shall be able to accept 1 new order every N seconds. An order is deemed to be accepted if it is stored in the system "active orders" database and the client (mobile app) gets an acknowledgement on the accepted order.

Processing orders under high load. The system shall be able to process 1 new order every N seconds. An order is deemed to be processed if it gets a full passenger itinerary (wait, walk to meeting point, board a bus, etc.).



FORECAST

"Improvement in scaling services in forest LiDAR inventory"

Improvement in spatial geoprocessing modelling for forest monitoring service

Improvement in big data geoprocessing application

Results of business innovation consulting



EUH4D
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Communication

160

Open Data Sources

30

DIHs in Federation

KPIs NOW!

20

Member States

24

SMEs involved in the
Program through Open
Calls

14

New Data sets from cross-
border experiments

30

Regions

161

Cross-DIH services

1000

SMEs in the ecosystem

13

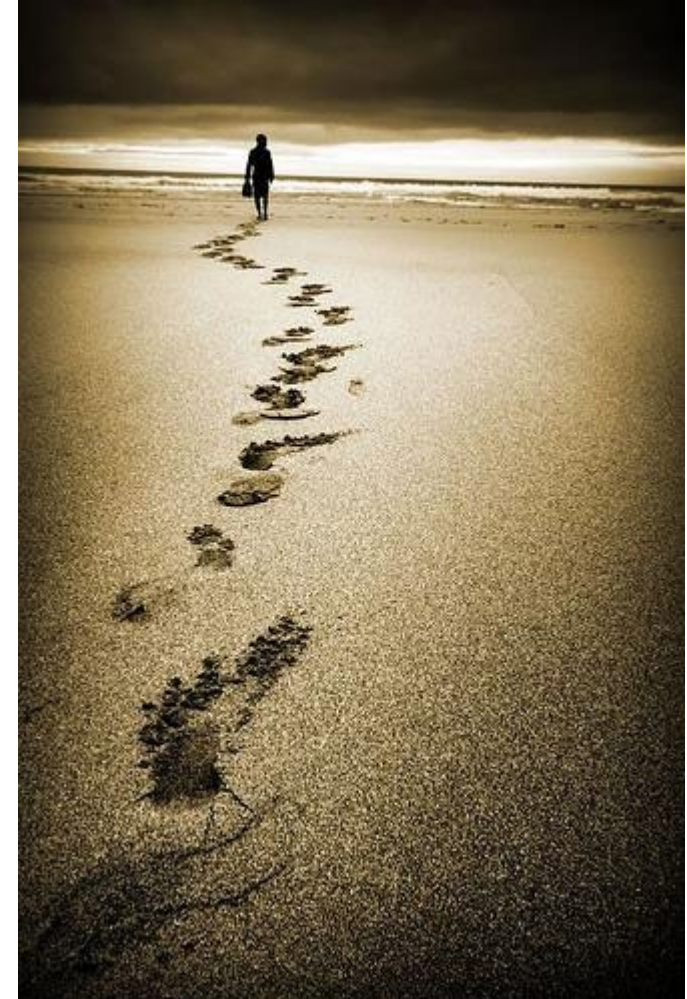
Documented innovations

84

online courseware
packages

Learning with you

- A myriad of indicators being measured periodically, especially with respect to:
 - Performance of the federation/DIHs (supply-side)
 - Performance of the experiments/SMEs (demand side)
 - More standard set of KPIs (service support, training, communications)
- Are there indicators that would make a difference and are not included?
- Are you working in the context of DIHs or networks and applying methodologies/tools that could be assessed in our context?
- We are measuring indicators generally against contractual values, but, can we extend this by using other benchmarks?



Making Digital Innovation Hubs more Digital



www.euhubs4data.eu



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BIG DATA VALUE
PUBLIC-PRIVATE PARTNERSHIP

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