



SHIFT-HUB

eOSC

RAISE

Towards a European Health Data Space

How SHIFT-HUB and RAISE Foster Secure Data Sharing and Drive Innovation



20 Nov 2025



14:00–15:30 CET



Online Webinar



This webinar
is recorded

Agenda

14:10 - 14:30

Keynote: European Health Data Spaces

Speaker: Gorka Epelde, Data Coordinator at Biogipuzkoa

14:30 - 14:35

General Introduction to SHIFT-HUB

Speaker: Alena Bubeck, Steinbeis Europa Zentrum

14:35 - 14:45

SHIFT-HUB Services: Community Platform and Market place

Speaker: Gabriele Casalini, European DIGITAL SME Alliance

14:45 - 14:50

From data sharing to data visiting: why is it important?

Speaker: Evdokimos Konstantinidis, Aristotle University of Thessaloniki

14:50 - 15:00

Showcasing RAISE platform: A distributed platform to democratize data processing

Speaker: Nikos Athanasopoulos, Aristotle University of Thessaloniki

15:00 - 15:10

Data providers view: What value does the collaboration and the platforms create for you?

Speaker: Achilleas Chytas, INAB|CERTH

15:10 - 15:30

Questions and Closing Remarks

Moderator: Alena Bubeck, Steinbeis Europa Zentrum

Keynote:
European Health Data Spaces



Speaker:

Dr. Gorka Epelde

Data Coordinator at Biogipuzkoa Health Research Institute

EHDS and Public-Private Data Spaces

Potential of SHIFT-HUB and RAISE approaches and EHDS integration opportunities

Dr. Gorka Epelde Unanue
Data Coordinator – Biogipuzkoa Health Research Institute
2025-11-20



BIOGIPUZKOA

EUSKAL
OSASUN
IKERKUNTZA

INVESTIGACIÓN
VASCA
EN SALUD

BASQUE
HEALTH
RESEARCH



Osakidetza



EUSKO JAURLARITZA
GOBIERNO VASCO

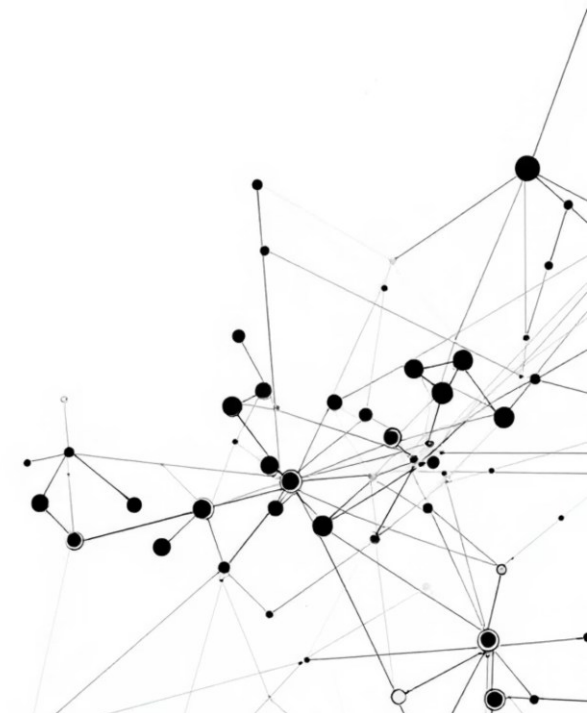
OSASUN SAILA
DEPARTAMENTO DE SALUD

SHIFT-HUB EOSC RAISE

Towards a European Health Data Space

How SHIFT-HUB and RAISE Foster Secure Data Sharing and Drive Innovation

20 Nov 2025
14:00–15:30 CET
Online Webinar



The European Data Strategy

Common European data spaces

Rich pool of data
(varying degree of
accessibility)

Free flow of data
across sectors and
countries

Full respect of GDPR

Horizontal
framework for data
governance and data
access



Health



Industrial &
Manufacturing



Agriculture



Finance



Mobility



Green Deal



Energy



Public
Administration



Skills

- Technical tools for data pooling and sharing
- Standards & interoperability (technical, semantic)
- Sectoral Data Governance (contracts, licenses, access rights, usage rights)
- IT capacity, including cloud storage, processing and services

data-driven economy built
on interoperability, and

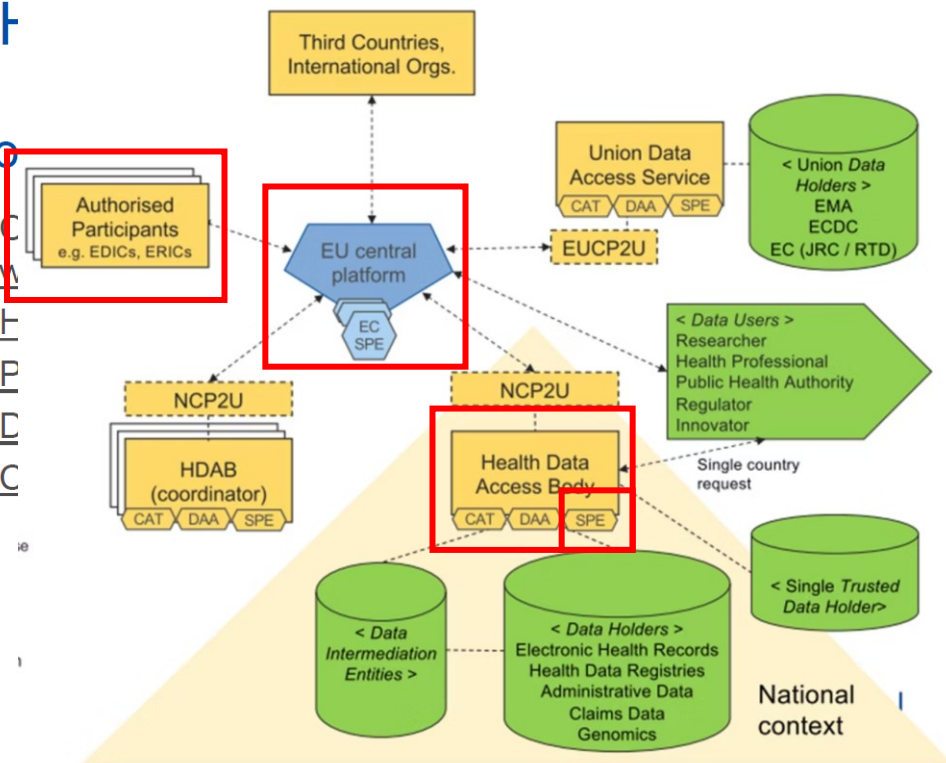
sectors each developing

most advanced sectoral

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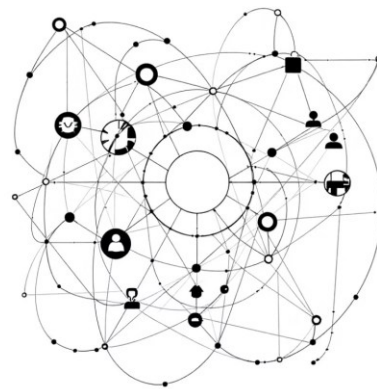
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A Non-Exclusive Framework

EHDS Enables Innovation

The EHDS regulation establishes a minimum regulatory floor whilst encouraging innovation beyond HealthData@EU. It explicitly allows coexistence with sectoral public-private data spaces.

SHIFT-HUB and RAISE provide essential tools and governance frameworks to potentially support both pathways—enabling organisations to participate in official EHDS infrastructure or build complementary data-sharing ecosystems.



 **Key Principle:** EHDS does not exclude alternative approaches—it provides a foundation whilst welcoming diverse innovation models.

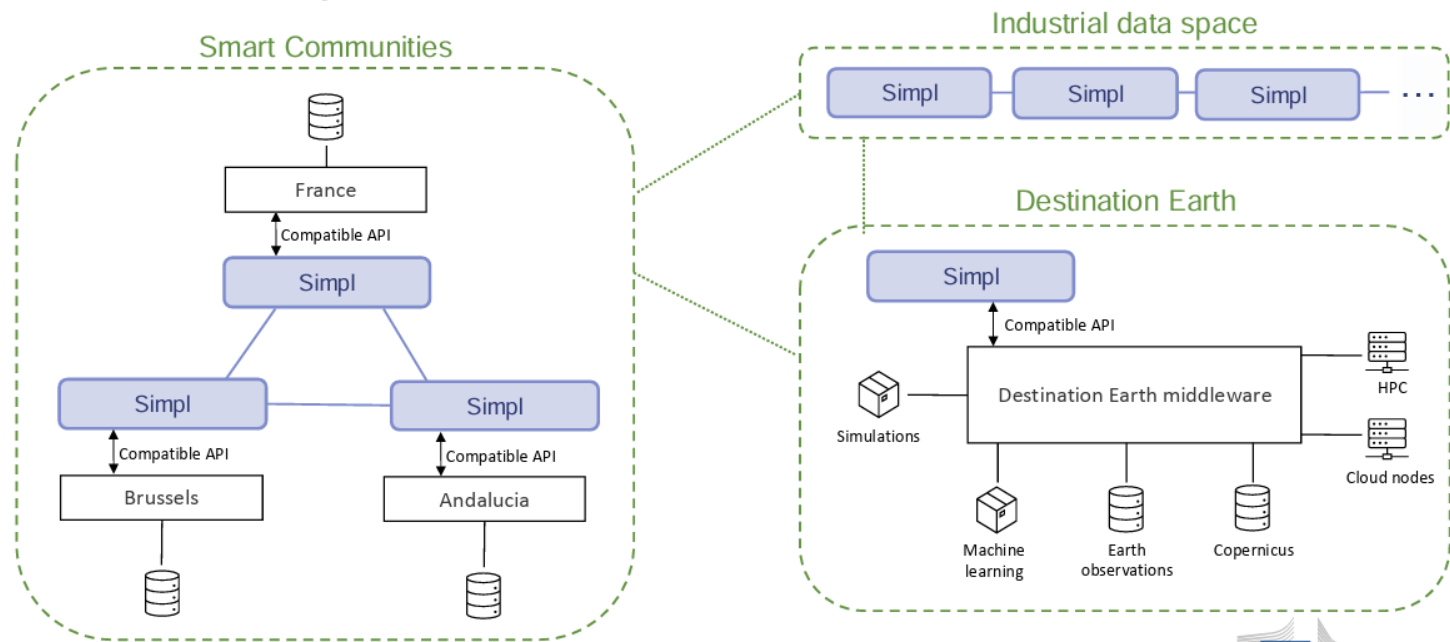
Pat

Flexible
border

Integ

Seamle
diverse

Simpl adjusts to different data spaces and facilitates interoperability

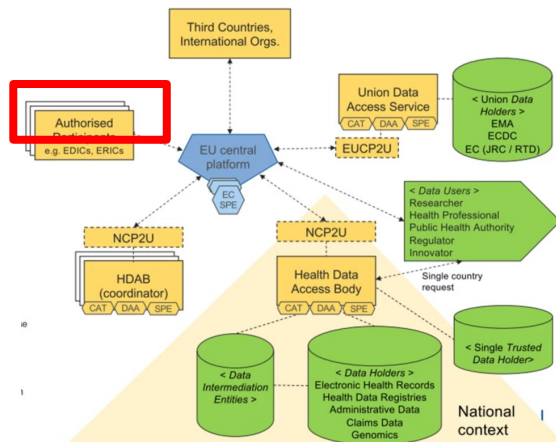


OSS-

IA-X /

9 | Simpl Nexus Forum 2024

Pathway 2: Research Infrastructures as Authorised Participants in EHDS



Candidates

Health-related research infrastructures or similar infrastructures whose operation is based on Union law. E.g.: ERIC, EDIC, ESFRI, EOSC infrastructure

Required Function

Provide support for the use of electronic health data for research, policymaking, statistical, patient safety or regulatory.

Application and Compliance (Details in Implementing acts)

- 1.- Compliance check
- 2.- Connecting decision by Commission

Technical requirements (Details in Implementing acts)

Mandatory use of SPE, federate their data catalogues with the European dataset catalogue, Grants access to data according to own access policies.

Pathway 3: Facilitate participation / tools on regular EHDS HDAB path



Contribute Datasets

Share valuable health data through standardised channels. Align public – private DS (meta)data preparations with EHDS req.



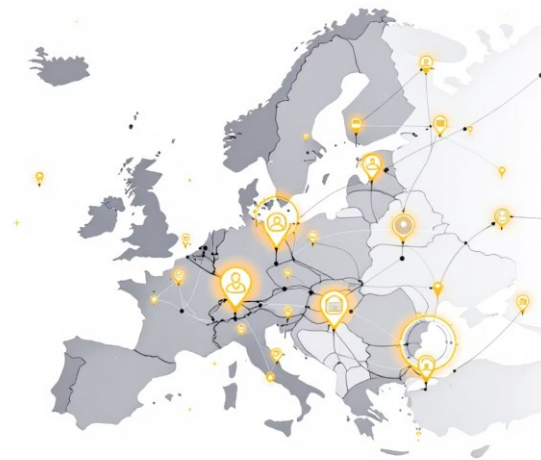
Connect to HDABs

SHIFT-HUB and RAISE facilitate connections (e.g. metadata HealthDCAT-AP description, governance, dataset exchange) to national Health Data Access Bodies.



Operate SPEs

Provide Secure Processing Environments for approved research analyses. Need to certify with SPE specs.



Practical Checklist for described Pathways

Essential requirements to ensure successful participation in either the sectoral data space pathway or direct EHDS integration.



Governance Framework

Establish clear data governance policies, consent management, and ethical oversight committees.



GDPR Compliance

Implement comprehensive data protection measures, privacy-by-design principles, and appropriate legal bases.



Interoperability Standards

Adopt FAIR principles, communication standards, standardised APIs, and comprehensive metadata catalogues.



Secure Processing Environments

Deploy or access certified SPEs with appropriate security certifications and access controls.



Sustainability & Federation

Ensure long-term operational viability and establish federation agreements with partners.

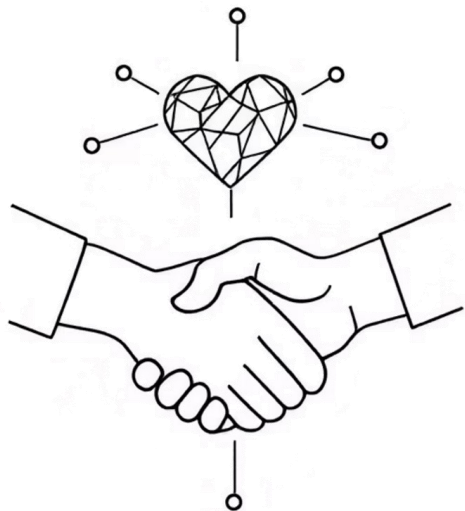


Dual Strategy Capability

Maintain flexibility to participate in both pathways simultaneously as opportunities emerge.

Your Path Forward

The European Health Data Space offers unprecedented opportunities for secure, innovative health data sharing. Whether through sectoral public-private data spaces or direct participation through HDABs or as an Authorised Participant, SHIFT-HUB and RAISE provide the tools and frameworks to succeed.



Explore Your Options

Assess which pathway best aligns with your project's capabilities and strategic objectives.



Engage with initiatives

Connect SHIFT-HUB and RAISE with Data Space initiatives to discuss pilot opportunities and implementation support.



Start Your Journey

Begin building the infrastructure, governance, and partnerships needed for successful participation.



SHIFT-HUB

Fostering the development and uptake of Smart Health Technologies



Dr. Alena Bubeck
Steinbeis Europa Zentrum
Coordinator of SHIFT-HUB



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The SHIFT-HUB Project



SHIFT-HUB

Smart Health
Innovation &
Future
Technologies
HUB



36 Months

Jan '23



Dec '25



12 Partners

From: Belgium,
Germany, France,
Greece, Italy,
Portugal, Romania



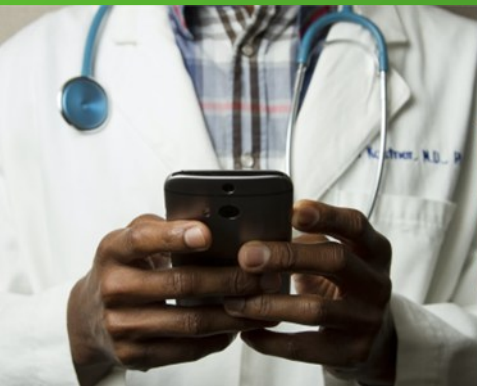
1 999 990 €

By European
Commission
Horizon Europe –
Coordination and
Support Action
(CSA)

About the Project

MAIN GOAL

to facilitate the development, ensure the promotion
and foster the uptake of
Smart Health technologies and services



SHIFT-HUB Service Offer



More on our website



BUILD AND BOOST

OPEN INNOVATION WORKSHOPS

LIVING LABS

DEMO DAYS

ACCESS TO FUNDING

SMART HEALTH DATA SPACE

APPS REPOSITORY



CONNECT & THRIVE

COMMUNITY

FOCUS GROUP

CONFERENCE

ENTREPRENEURIAL DISCOVERY
WORKSHOPS

MATCHMAKING



LEARN & GROW

EDUCATIONAL REPOSITORY

GAMIFIED USER JOURNEY

CAPACITY BUILDING WORKSHOPS

High-quality services
centred around
3 key pillars,
designed to meet the
unique needs of our
stakeholders

SHIFT-HUB Service Offer



SHIFT-HUB

Capacity Building Workshop

Providing a Complete Service Offer

Building, Growing, and Sustaining Innovation Hubs and Networks

 **27 Nov | 13:00-14:30 CET**

 **Online event**

  www.shift-hub.eu

Capacity Building Workshop: Providing a Complete Service Offer: Building, Growing, and Sustaining Innovation Hubs and Networks

NOVEMBER 27, 2025 | 13:00 - 14:30 GMT+01:00

Sign up now!



Events



POLITICO HEALTH CARE SUMMIT

POLITICO Health Care Summit 2025 Highlights

The **POLITICO Health Care Summit 2025** marked the 10th edition of one of Europe's leading health policy gatherings. It brought together EU and national policymakers, industry leaders, researchers, and civil society to discuss how Europe can strengthen its health competitiveness at a time of global uncertainty, rising disease burdens, and increasing pressure on health systems.

While geopolitical dynamics, economic constraints, and regulatory reforms shaped the overarching discussions, digital transformation remained a central theme throughout the event.

SHIFT-HUB attended the Summit to follow these developments, connect with key stakeholders, and gather insights relevant to the project's work on smart health innovation, data use, and responsible AI adoption.

Digital Health Highlights – Key Takeaways on:

- AI in Health: Promise, Limits, and Real-World Readiness
- The European Health Data Space
- Regulation, Trust, and Implementation of the AI Act
- Data Quality, Access and GDPR Challenges
- Workforce Capacity & the Human Factor
- Industry Perspective on MedTech and Software Regulation

Read the article



[Link to Article](#)

Interested to learn more?
JOIN US!



VISIT US ON
OUR WEBSITE

GET IN TOUCH:

- www.shift-hub.eu
- consortium@shift-hub.eu





SHIFT-HUB

THANK YOU!



Dr. Alena Bubeck
Steinbeis Europa Zentrum
alena.bubeck@steinbeis-europa.de



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SHIFT-HUB Services: Community Platform and Market place



Speaker:

Gabriele Casalini

Tech Project Officer at European DIGITAL SME Alliance



SHIFT-HUB

Towards a European Health Data Space

How SHIFT-HUB and RAISE Together Foster
Secure Data Sharing and Innovation

20/11/2025



Gabriele Casalini
European DIGITAL SME Alliance



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SHIFT-HUB Network

TECHNOLOGY PROVIDERS

- **Networking & Knowledge exchange;**
- **Support of product development;**
- **Promotional Services**

INNOVATION & FINANCIAL INTERMEDIARIES

- **New value-added services;**
- **Collaboration and networking;**
- **Investment opportunities**

KNOWLEDGE AND INFRASTRUCTURES PROVIDERS

- **Partnership opportunities & knowledge exchange;**
- **Funding opportunities;**
- **Research validation in industrial contexts.**

PUBLIC AUTHORITIES

- **Drive regional / national economic growth;**
- **Health care system optimization;**
- **Public awareness and education.**

SHIFT-HUB Community



Do you wish to know more about the opportunities in Smart Health and how Digital Tech can transform the way citizens and patients receive healthcare services? The e-Health Community is designed to empower and connect the different actors within the EU health ecosystem, fostering the uptake of Smart Health technologies and services.

COMMUNITY

Join more than 750 international members

EVENTS

Participate to events and networking opportunities

MARKETPLACE

Showcase your solutions and find partnerships

- Participate to international events, with a particular focus on funding and B2B matchmaking
- Explore cooperations with partners in the EU and beyond through 1-2-1 meetings and reaching out via direct messages to the fellow community members
- Gain visibility by showcasing your organisation, business solutions or research efforts in e-Health

Events



SHIFT-HUB

**OPEN INNOVATION
WORKSHOP**

17 DECEMBER 2024 | 10:00 - 12:30

— ONLINE EVENT —

[in shifthubprojecteu](#) www.shift-hub.eu

The banner features a light green background with a pattern of small dots. On the right, there is a circular inset image of a person in a white lab coat and blue face mask, interacting with a futuristic, glowing digital interface. The text is in a clean, modern font, with the event title in bold.

European DIGITAL SME Alliance | FG AI | DIGITAL SME FG e-H Focus Group e-Health

SMEs at the forefront: Driving AI adoption in the healthcare sector

Roundtable & Matchmaking event

27 November 2024
15:00 - 16:30 CET

The banner has a green background with a pattern of yellow hexagons. At the top, there are logos for the European Digital SME Alliance, FG AI, and Digital SME FG e-H. The main title is in a large, bold, white font. The event details are in a white box on the right. The background image shows a person in a lab coat interacting with a digital interface.

SHIFT-HUB

**Health Data Space
Onboarding Workshop**

14th Apr 2025 / 9-10 am CET

Online

[in shifthubprojecteu](#) www.shift-hub.eu

The banner features a light green background with a pattern of small dots. On the right, there is a circular inset image of a person sitting at a desk, looking at a computer monitor displaying a video conference with several participants. The text is in a clean, modern font, with the event title in bold.

SHIFT-HUB | smartHEALTH EDIH

Capacity Building Workshop

From Demonstration to Impact:
How Can Test Before Invest and Demo Days Services drive sustainable Innovation?

Oct 21 | 13:00 - 15:00 CET

[in shifthubprojecteu](#) www.shift-hub.eu

Online event

The banner has a green background with a pattern of yellow hexagons. At the top, there are logos for SHIFT-HUB and smartHEALTH EDIH. The main title is in a large, bold, white font. The event details are in a white box. The background image shows a person's hand pointing at a laptop screen displaying a video conference with several participants.

Community Platform

Explore new opportunities in connecting with potential business partners, find collaborations to submit proposals for EU-funded calls and access a wider service offer by joining the e-Health Community



e-Health
SHIFT-HUB COMMUNITY

e-Health


The e-Health Matchmaking Community, powered by the EU-project SHIFT-HUB, invites...

Members • 668 Events • 20

101 Participants found


Search ...

- Invitations ☐
- Organisation Type ☐
- Industry Sector ☐
- Country ☐
- Error officia id ☐
- Quisquam autem minima ☐




Miss Vivian Schaefer Jr.
Public Affairs Director at *Perferendis incident perferendis*
Finland

MATCHED!




Dillan Carter Sr.
Policy Advisor at *Aperiam omnis nobis*
Honduras

REQUEST PENDING




Janie Altenwerth
Administration & Finance Officer at *Eaque maiores deserunt*
French Southern Territories

INVITE



Prof. Rashad Mueller II
Junior Tech Policy Officer at *Aut quasi explicabo*
Solomon Islands

SCHEDULE FULL



Deion Howell
Project Manager at *Doloribus corrupti velit*
Crist Vite and Movie

INVITE

Events



SHIFT-HUB

1 March 2024, 10:00 - 12:00

1st International Online Brokerage Event in HEALTH Innovation

The event will feature

- A plenary session on the current calls for Horizon Europe
- Bilateral matchmaking sessions between participants
- A focus on calls under the HEALTH cluster, the Innovative Health Initiative JU, and bottom-up calls like calls in Widening, EIE, and Digital Europe

BUSINESS MISSION
HEALTHCARE AND MEDICAL EQUIPMENT KOREA 2025

JOIN THE MISSION EVENT!

ONLINE | 24 OCT 10:00 CET

EU BUSINESS HUB
The Republic of Korea

InXso
Innovation Network

SHIFT-HUB

Funded by the European Union

SHIFT-HUB

2nd SHIFT-HUB

International Online Brokerage Event in Health Innovation

20th June 2025 | 10:00 - 12:30 CET
 1-on-1 Online Matchmaking | 12:30 - 17:00 CET

www.shift-hub.eu

SHIFT-HUB

Beia

ICOPAC

tel

ICEBERG

Pitch Session

BUCHAREST

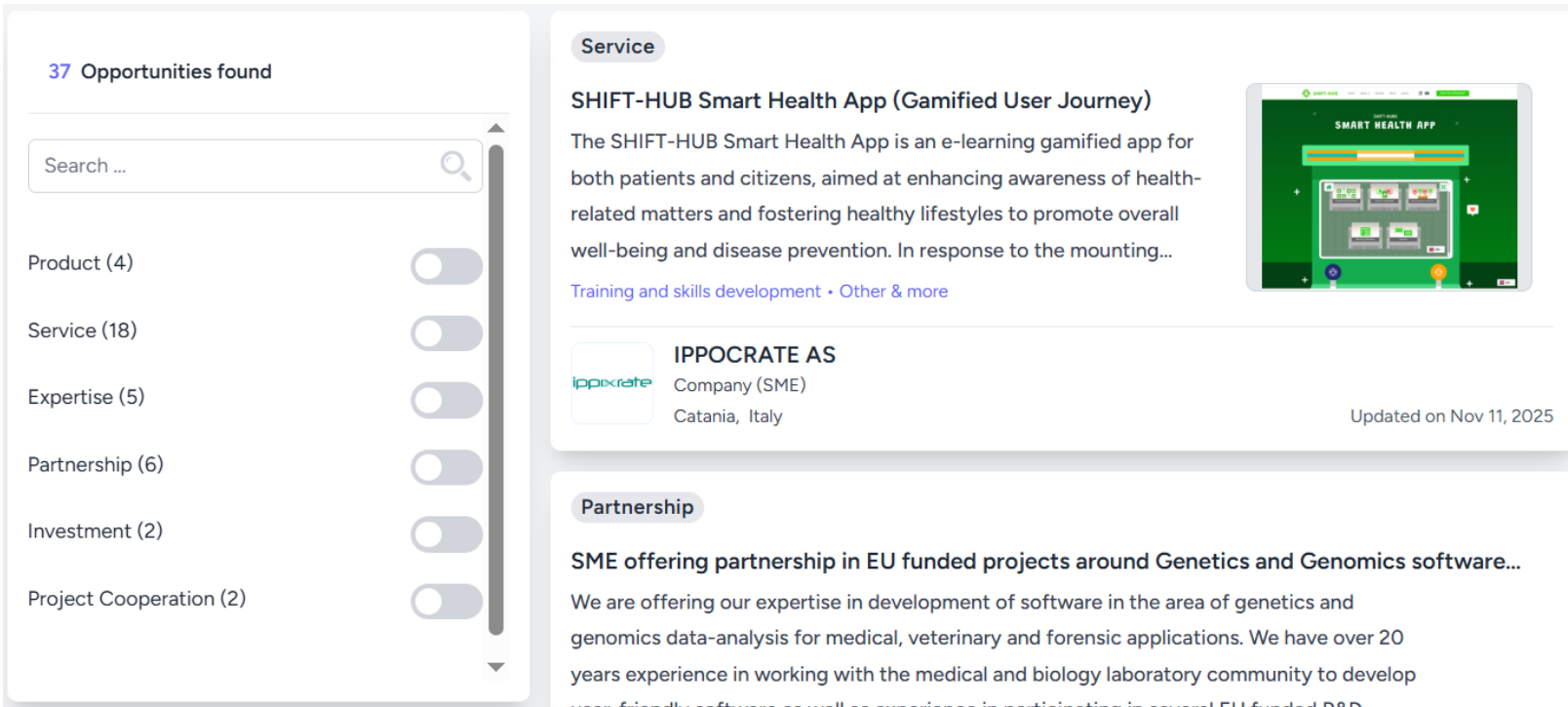
06 May 2025 - 10:25-12:00 (EEST)

[shift-hubprojecteu](https://www.linkedin.com/company/shift-hub-project-eu)

www.shift-hub.eu

Community Marketplace

Showcase your digital solutions and products or present your business needs and partnership opportunities in the interactive marketplace



The screenshot displays the SHIFT-HUB Community Marketplace interface. On the left, a sidebar shows '37 Opportunities found' and a search bar. Below the search bar are filters for Product (4), Service (18), Expertise (5), Partnership (6), Investment (2), and Project Cooperation (2), each with a toggle switch. The main content area features a 'Service' card for the 'SHIFT-HUB Smart Health App (Gamified User Journey)' by IPPOCRATE AS, a company from Catania, Italy, updated on Nov 11, 2025. The card includes a description of the app and a thumbnail image. Below the service card is a 'Partnership' card for an SME offering partnership in EU funded projects around Genetics and Genomics software.

Service

SHIFT-HUB Smart Health App (Gamified User Journey)

The SHIFT-HUB Smart Health App is an e-learning gamified app for both patients and citizens, aimed at enhancing awareness of health-related matters and fostering healthy lifestyles to promote overall well-being and disease prevention. In response to the mounting...

[Training and skills development](#) • [Other & more](#)

IPPOCRATE AS
Company (SME)
Catania, Italy

Updated on Nov 11, 2025

Partnership

SME offering partnership in EU funded projects around Genetics and Genomics software...

We are offering our expertise in development of software in the area of genetics and genomics data-analysis for medical, veterinary and forensic applications. We have over 20 years experience in working with the medical and biology laboratory community to develop user-friendly software as well as experience in participating in several EU funded R&D

PUBLISH

Your solutions, product, partnership opportunity, needs

SEARCH

The catalogue of the marketplace to find suitable content

CONNECT

Through the platform through events, matchmaking or messages

REGISTER

To the upcoming events and showcase your solutions automatically

How to Benefit from the Platform in 4 Simple Steps



1

REGISTER

- Create your account on the Community Platform
- This gives you full access to all interactive services and ensures your organisation is visible to the community.

2

BUILD YOUR PROFILE

- Highlight your expertise, solutions, and collaboration needs
- Link to your organisation and update details at any time
- Increase your visibility to potential partners

3

JOIN EVENTS & MARKETPLACE

- Access agendas and participant lists
- Use the automated matchmaking
- Browse the marketplace and the members

4

NETWORK & COLLABORATE

- Search and filter members, send direct messages, and connect with peers across Europe.
- find the right partners for projects, funding, or business opportunities.

SHIFT-HUB Community - Partnerships



Are you a representative from an EU project, Cluster, association or a potential different partner?
If you want to explore collaboration opportunities with SHIFT-HUB and leverage the potential of its community,
including its platform, do not hesitate to get in touch!

COMMUNITY

Find synergies and collaborations with the community members, propose your initiatives or opportunities

EVENTS

Host events, roundtables, matchmakings related to e-Health

EXPLORE

The synergies and functionalities through the SHIFT-HUB services and increase your reach



Upcoming Events



Capacity Building Workshop

Providing a Complete Service Offer

Building, Growing, and Sustaining
Innovation Hubs and Networks

 **27 Nov | 13:00-14:30** CET



Online event



www.shift-hub.eu



Upcoming Events



annual event 4 DECEMBER 2025

DIGITAL SME summit

BREAKING EUROPE'S DIGITAL FRONTIERS

hosted by the  European Economic and Social Committee

in partnership with  MLex



JOIN US!



**VISIT US ON
OUR WEBSITE**

GET IN TOUCH:

g.casalini@digitalsme.eu

[www.**shift-hub**.eu](http://www.shift-hub.eu)

consortium@shift-hub.eu



From data sharing to data visiting: why is it important?



**ARISTOTLE
UNIVERSITY
OF THESSALONIKI**

Speaker:

Dr. Evdokimos Konstantinidis

Assistant Professor at Medical Physics and Digital Innovation Lab, School of Medicine,
Aristotle University of Thessaloniki



Funded by
the European Union

RAISE

Research Analysis Identifier

Rent and Process Data
with Trust

Evdokimos Konstantinidis
Nikos Athanasopoulos

raise-science.eu

eosc



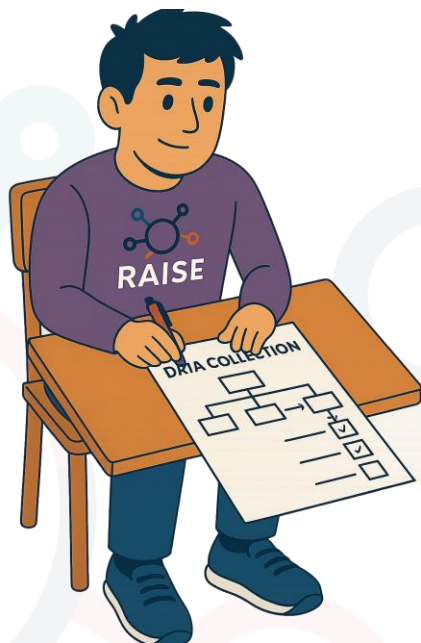
How many of you believe in the value of open data?



How many of you search for available open data before you start collecting your own?

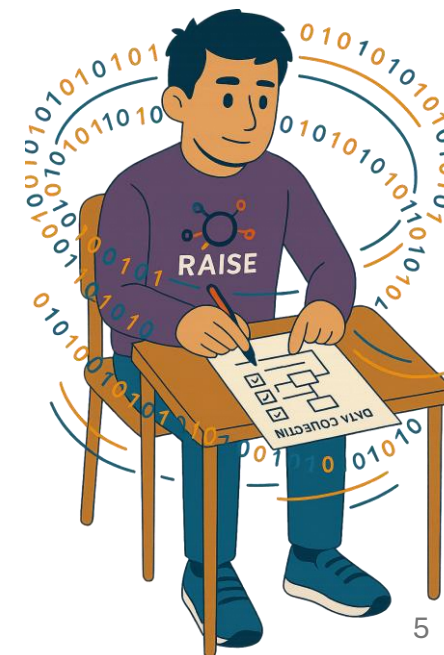


How many of you have collected data in the last 5 years?



... and, how many of you have prepare a Data Management Plan before starting data collection?

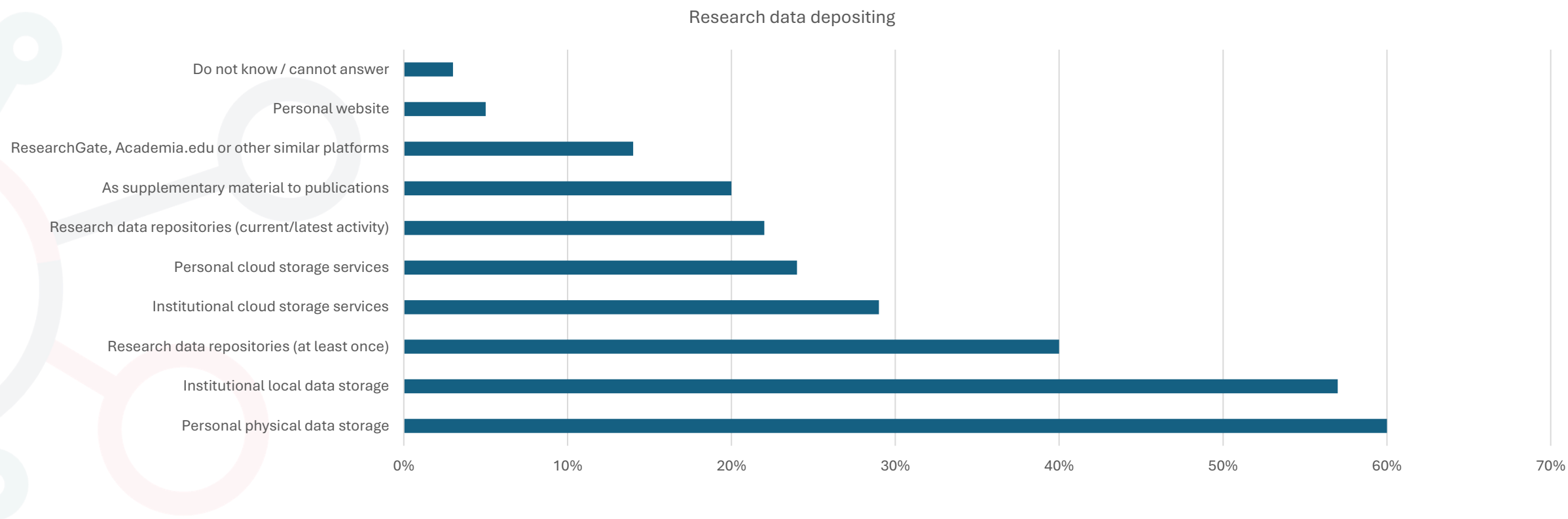
... and, how many of you have followed the Data Management Plan during data collection, curation and sharing ?



How many of you made this data open and available?



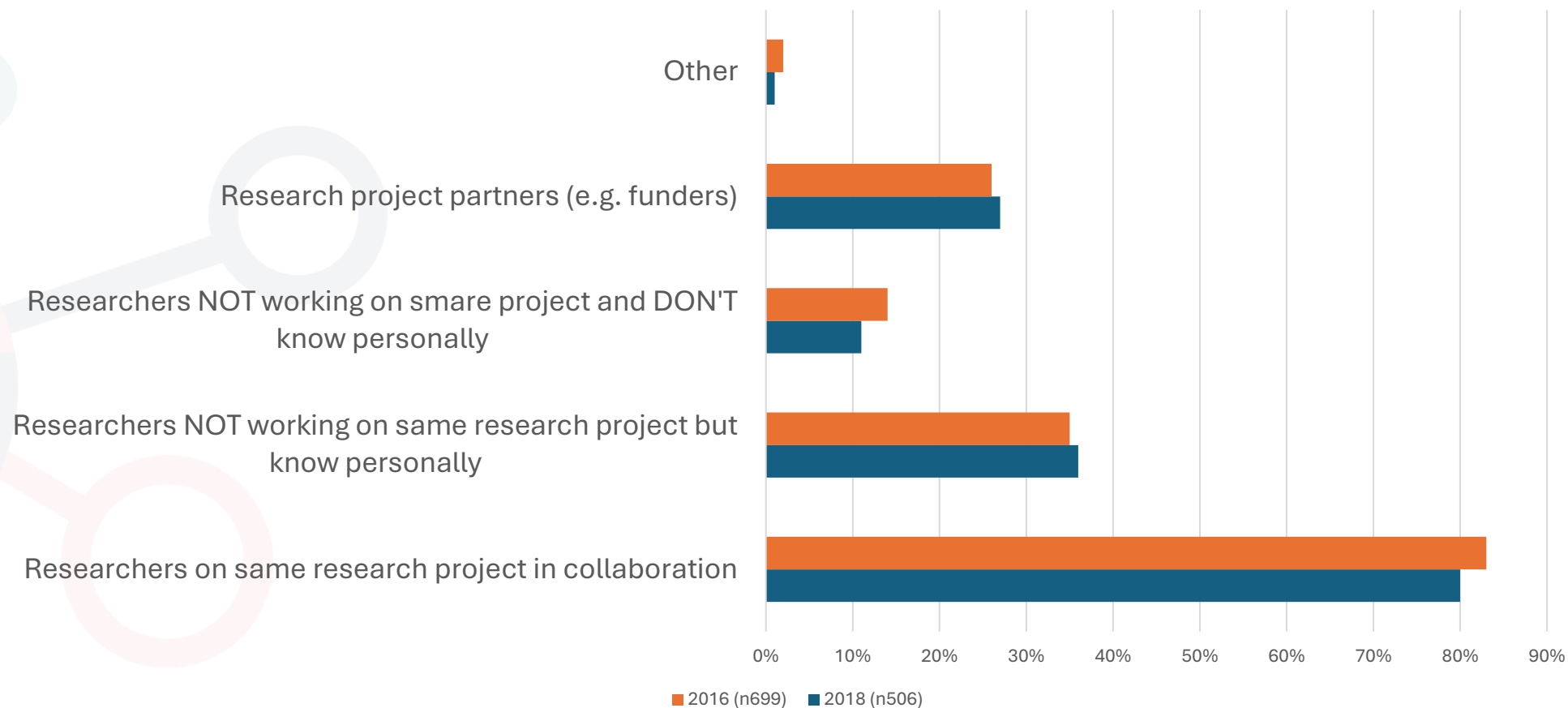
Is it only us??



Source: European Commission, Directorate-General for Research and Innovation, European Research Data Landscape : final report, Publications Office of the European Union, 2022, <https://data.europa.eu/doi/10.2777/3648>

Who do we share our data with?

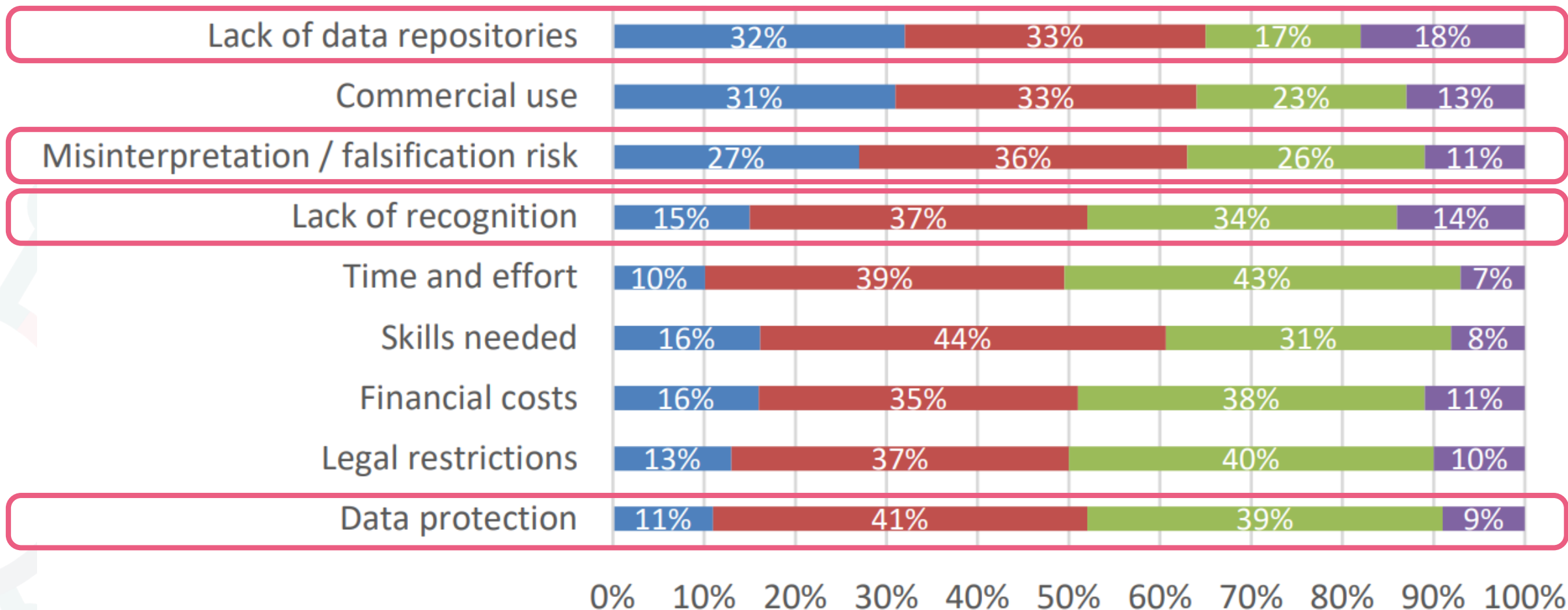
Sharing or research data: % of researchers that have directly shared research data from their last project, be recipient (2016 and 2018)



Health research
breakthroughs are
often hindered by
limited access to
high-quality data



Obstacles to the management and sharing of research data



■ To little or no extent ■ To some extent ■ To a large extent ■ Do not know / cannot answer

Source: European Commission, Directorate-General for Research and Innovation, European Research Data Landscape : final report, Publications Office of the European Union, 2022, <https://data.europa.eu/doi/10.2777/3648>

Consortium

20

Partners

4.836.125€

EU funding

10

Countries

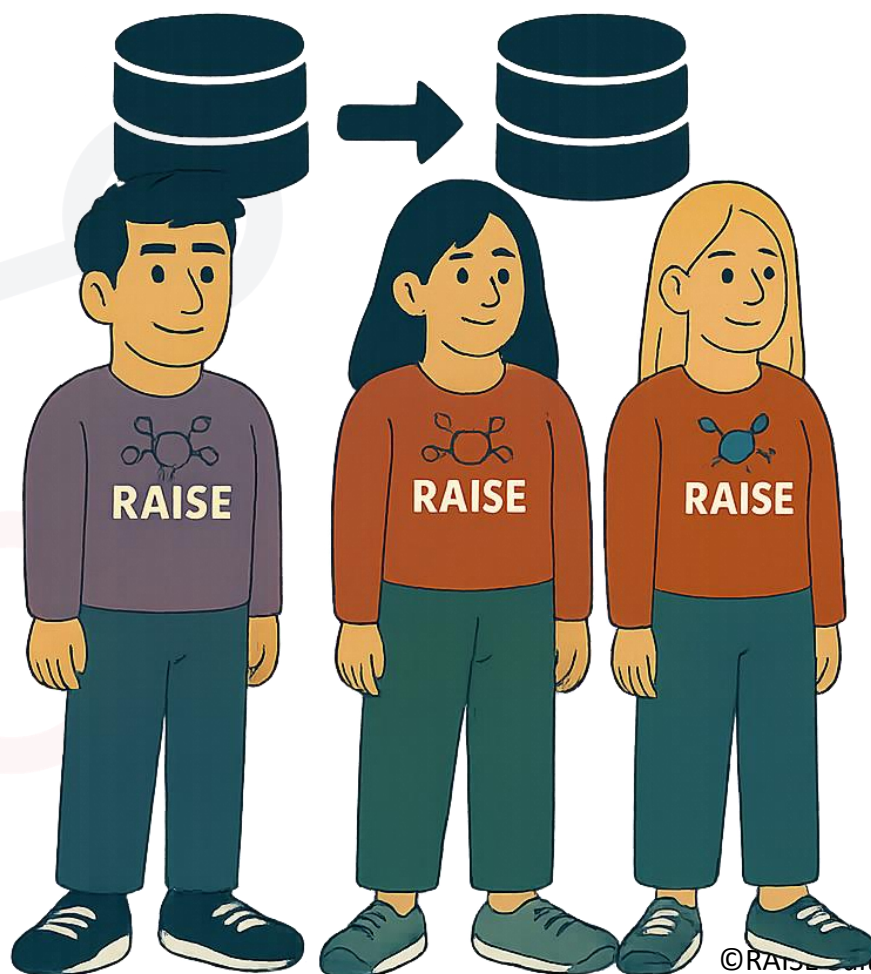
40

Months

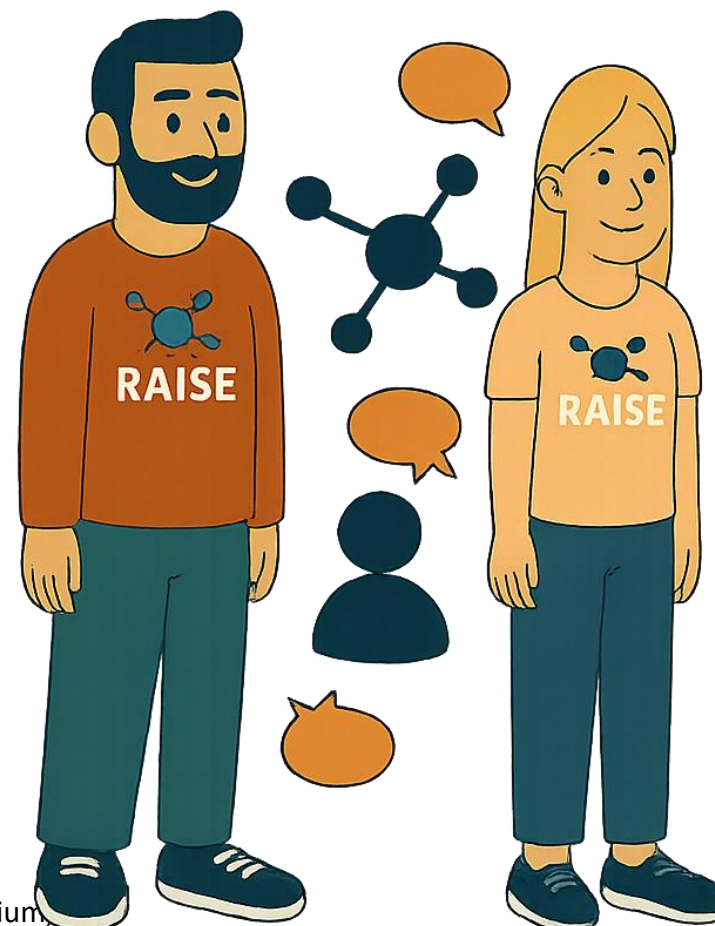


Data sharing and Data spaces democratization


DATA SHARING DEMOCRATIZATION



DATA SPACES DEMOCRATIZATION




Peer-to-Peer Home Renting Platforms

 Lets you offer homes
for rent

 **Guests**
Travelers book homes

RAISE

 Lets you give access to your
datasets **stored only** on your
premises

 **Visiting Algorithms**
Algorithms visit datasets

Like Home Renting Platforms let you visit homes, RAISE allows your algorithm to visit the data you need

Like Home Renting Platforms let you rent your home with trust, RAISE enables your data to be processed by others with trust and control

We designed **the peer-to-peer platform** for Research Data



**privacy
protection**



**ownership
accreditation**



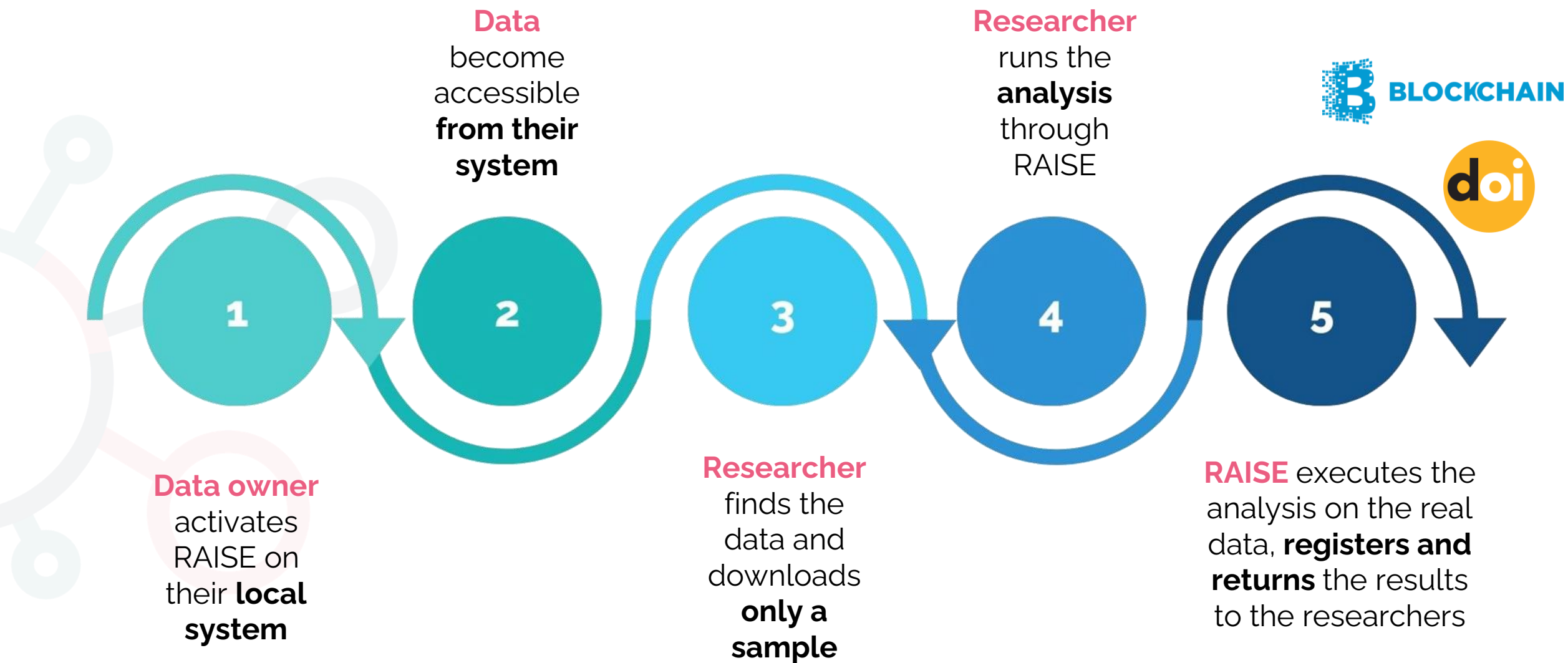
compliance



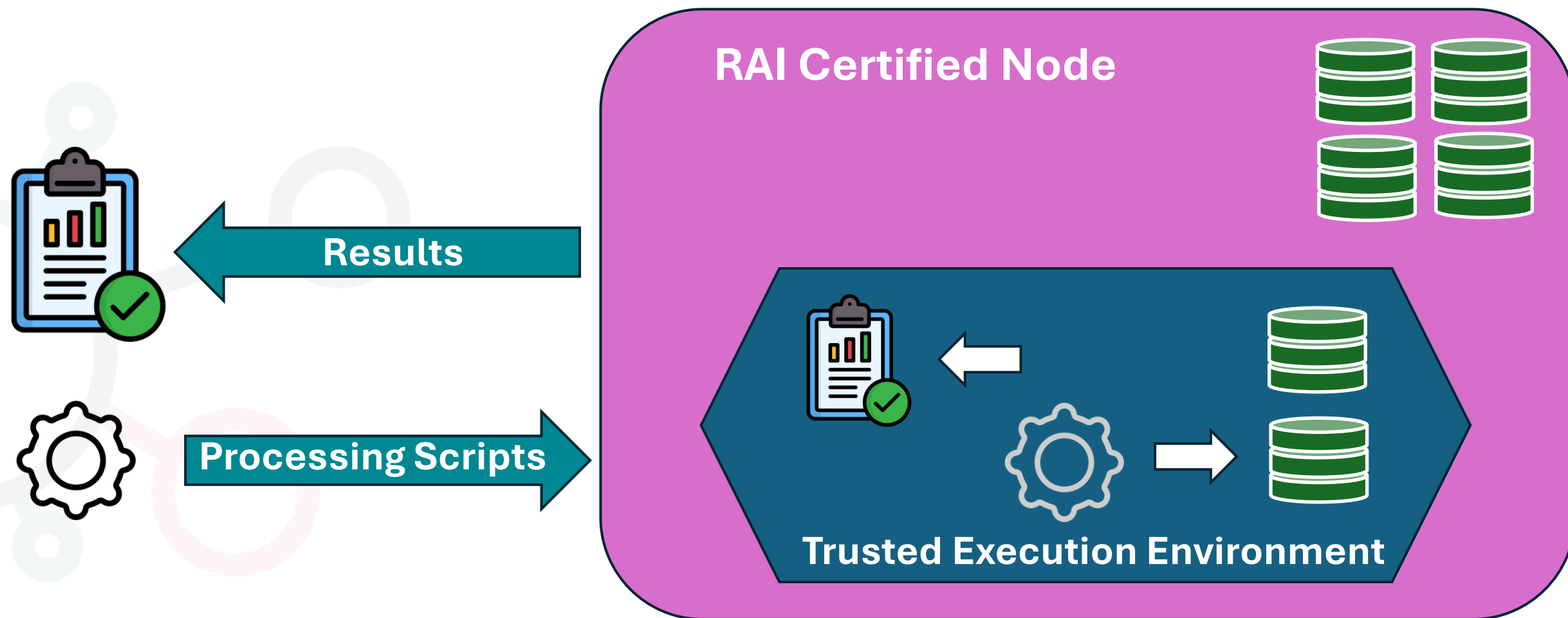
traceability

Trust through **Data Visiting**

DATA VISITING LIFE CYCLE



Trusted Execution Environment





Oct 2022 – Jan 2026



Funded by
the European Union

Sept 2025 – Jan 2029

***Showcasing RAISE platform:
A distributed platform to
democratize data processing***



Speaker:

Nikos Athanasopoulos

Research Associate at Medical Physics and Digital Innovation Lab, School of Medicine,
Aristotle University of Thessaloniki



**ARISTOTLE
UNIVERSITY
OF THESSALONIKI**

Where to store my datasets



Upload your dataset to a **public certified node**



Deploy your **own node** at your premises.
Optionally, configure it as **private** so that only
authorized users can store their datasets there

Who can process my datasets

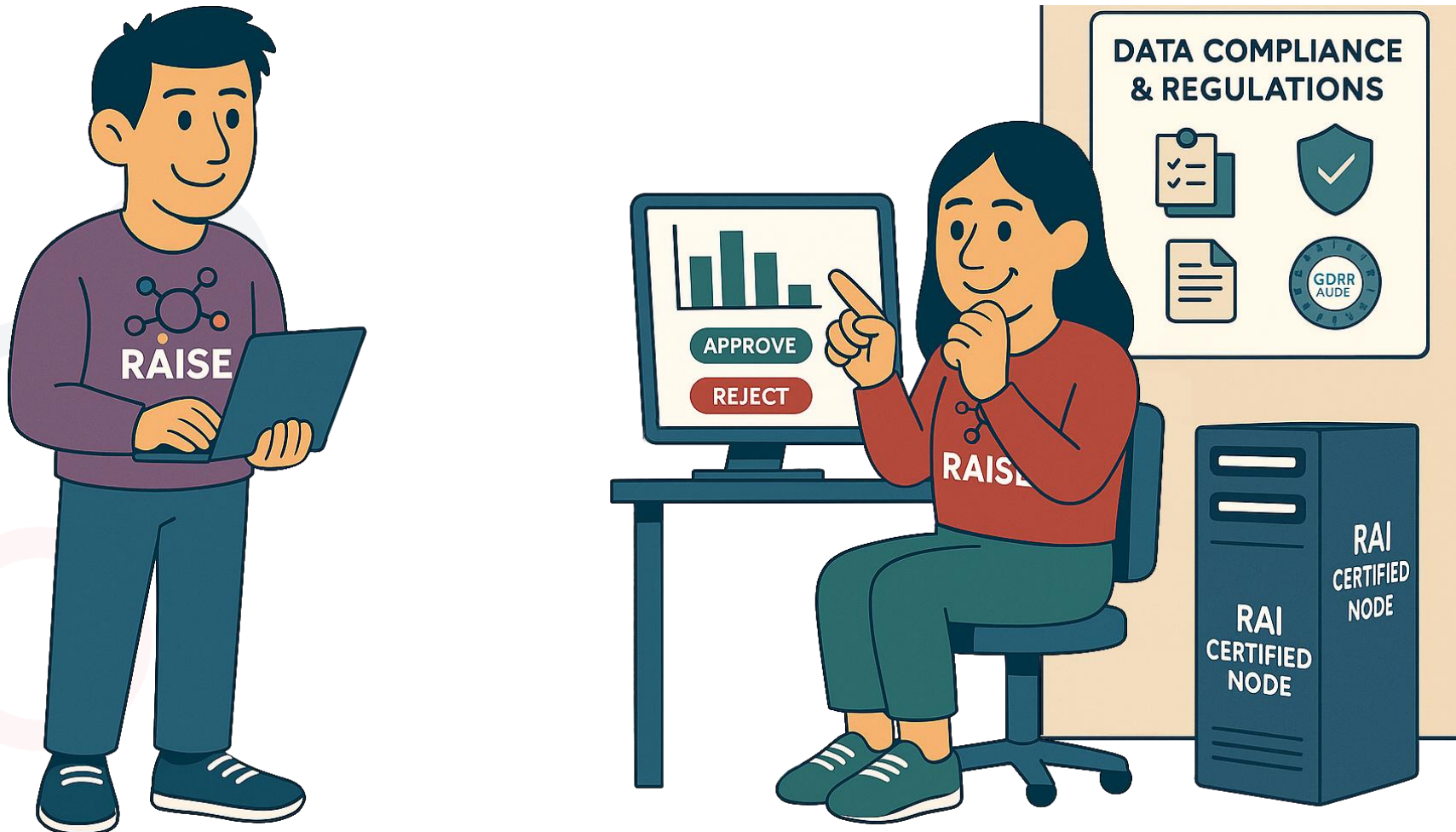


Allow all users to process your dataset, **knowing always who processed** them.
Optionally, you can deny access to any user.



Set your datasets to require **access request**.
Grant or deny access to the requests or even
change your decision at any time.

How can I make sure others cannot go against my principles or other regulations by processing my datasets?



Once the results produced, the data user does not have access to them until the **data owner audits and approves/rejects** them.

How can I create a group of researchers where only those can access all the group's dataset?



I want to facilitate others use my dataset to increase the impact of my data.

eosc | RAISE

Evdokimos Konstantinidis
evdokimosk@gmail.com

Dashboard

Datasets

Scripts

Experiments

Dataset Marketplace

Dataset Access Requests

Experiment Result Approvals

RAI Finder

Nodes

3 nodes online
5 total nodes

RAISE Consortium questionnaire (second year)

Details

ID : 08dd5ce6-af33-42e9-8c65-926b896527cf

PID : 21.T15999/raise/dataset/08dd5ce6-af33-42e9-8c65-926b896527cf

Node : AUTH

Extension : XLSX

Language : English

Created : March 6, 2025

Category : Health Sciences

Creator : Evdokimos Konstantinidis

License : CC-BY

Contributors : Evdokimos Konstantinidis

Similarity Score : Pending

Description

This is the excel file with the responses of the questionnaire for the RAISE WPs management quality.

Publications 1

doi 10.3390/bdccc...

Download Sample

Reupload Sample

Project templates

Python for VS Code

Template Scripts 1

Script parser for RAISE Consortium questionnaire (second year)

Parser for the excel responses

Linked Datasets 1

EEG EDF Ale test

dokimi

Dataset Trends

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 101007990



Evdokimos Konstantinidis
evdokimosk@gmail.com



Dashboard



Dataset Marketplace



Dataset Access Requests



RAI Finder

Dataset Marketplace

10 datasets

Here, you can view & request access to all available datasets

 Search Datasets

Network Speed Week After Metro

Creator: HIT/ CETH

Science · Dec 7, 2024 · English

Average speeds per link per direction in the city of Thessaloniki the week right after the launch of the Thessaloniki Metro (30/11/2024 to 8/12/2024 15:00). Format: LINK_ID: A numeric identifier for each road link, facilitating precise location mapping and analysis....

 Details

Network Speed Week Before Metro

Creator: HIT / CETH

Science · Dec 6, 2024 · English

Average speeds per link per direction in the city of Thessaloniki the week right before the launch of the Thessaloniki Metro (23-30/11/2024). Format: LINK_ID: A numeric identifier for each road link, facilitating precise location mapping and analysis. LINK_DIRECTION: An...

 Details

Demo dataset url

Creator: Publisher

Science · Nov 20, 2024 · English

Dataset uploaded by a given url for RAISE demo

 Details

EEG EDF Ale test

Creator: Alexandra Anagnostopoulou

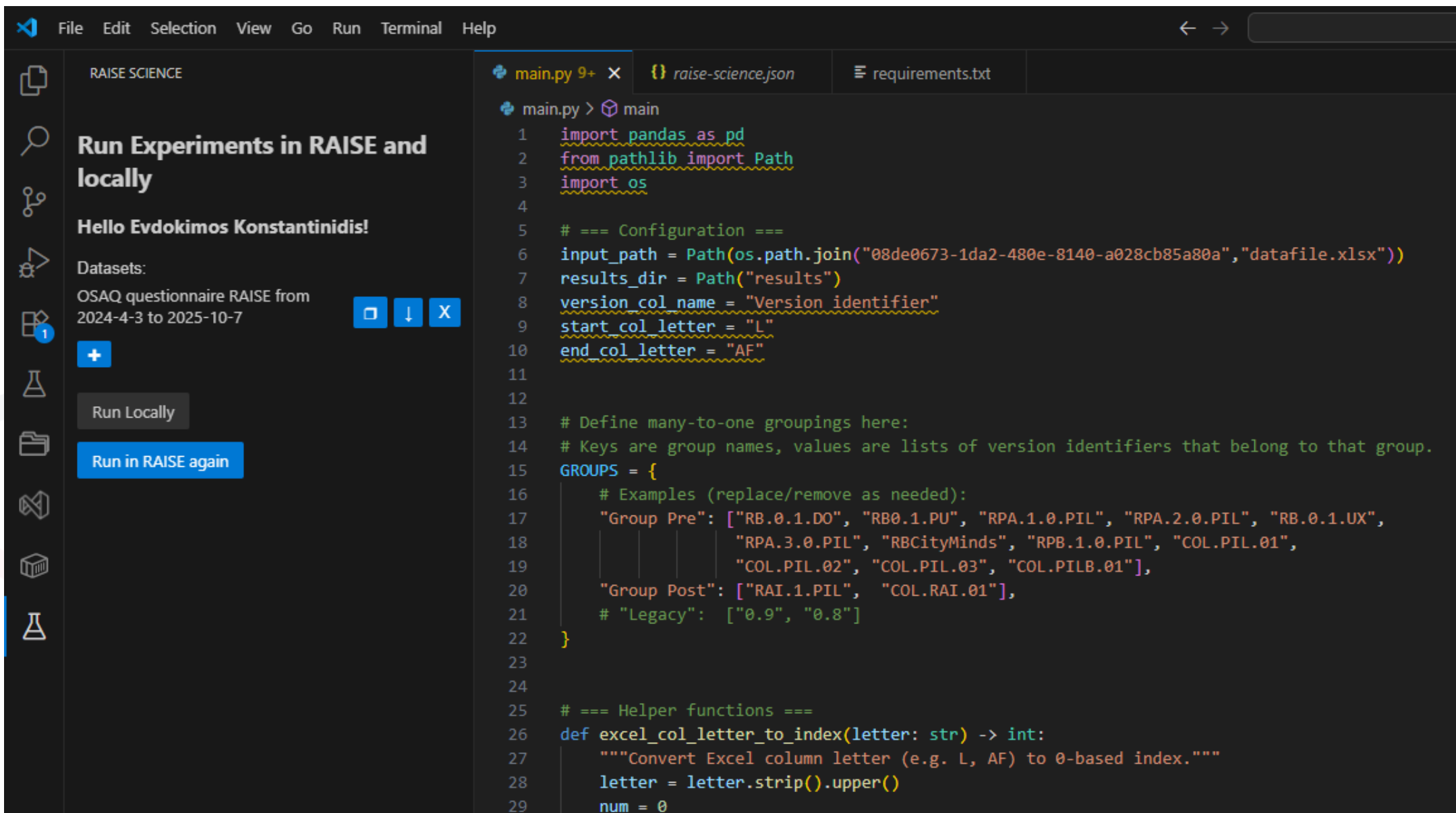
Science · Feb 5, 2025 · English

EEG EDF Ale test

 Details



Use IDE to prepare the algorithm on the sample dataset



The screenshot displays the RAISE IDE interface. On the left sidebar, under "Run Experiments in RAISE and locally", there is a message "Hello Evdokimos Konstantinidis!" and a list of datasets. The first dataset is "OSAQ questionnaire RAISE from 2024-4-3 to 2025-10-7". Below this, there are buttons for "Run Locally" and "Run in RAISE again".

The main editor area shows a Python file named `main.py` with the following code:

```
1  import pandas as pd
2  from pathlib import Path
3  import os
4
5  # === Configuration ===
6  input_path = Path(os.path.join("08de0673-1da2-480e-8140-a028cb85a80a", "datafile.xlsx"))
7  results_dir = Path("results")
8  version_col_name = "Version identifier"
9  start_col_letter = "L"
10 end_col_letter = "AF"
11
12
13 # Define many-to-one groupings here:
14 # Keys are group names, values are lists of version identifiers that belong to that group.
15 GROUPS = {
16     # Examples (replace/remove as needed):
17     "Group Pre": ["RB.0.1.DO", "RB0.1.PU", "RPA.1.0.PIL", "RPA.2.0.PIL", "RB.0.1.UX",
18                 "RPA.3.0.PIL", "RBCityMinds", "RPB.1.0.PIL", "COL.PIL.01",
19                 "COL.PIL.02", "COL.PIL.03", "COL.PILB.01"],
20     "Group Post": ["RAI.1.PIL", "COL.RAI.01"],
21     # "Legacy": ["0.9", "0.8"]
22 }
23
24
25 # === Helper functions ===
26 def excel_col_letter_to_index(letter: str) -> int:
27     """Convert Excel column letter (e.g. L, AF) to 0-based index."""
28     letter = letter.strip().upper()
29     num = 0
```

Send algorithm to the dataset through RAISE



Static analysis before the **code** is executed. A short summary of what the code will do, along with potential hazardous actions are produced.



Apply the code on the shareable version of the dataset to audit the results and detect code execution anomalies.



osaq-raise v_2



Datasets



Scripts



Experiment Result Approvals



RAI Finder



Nodes

Konstantinidis, E., Epelde, G., Tsimpita, K., Vasilopoulou, E., Hernandez, M., Athanasopoulos, N., Fernández, M., Bamidis, D., Katertsidis, N., Natsos, D., Nikolaidis, N., Symeonidis, A., Chatzigeorgiou, A., Kouris, I., Konstantinidis, G., Josep Maria, S. G., Dimos, T., ... Bamidis, P. (2025). *RAISE Open Science Attitude Questionnaire*. <https://doi.org/21.T15999/raise/4>

Node

AUTH

<http://doi.org/21.T15999/raise/140>

Author

Evdokimos Konstantinidis

PID

21.T15999/raise/140



Results Access level



Results can be downloaded by other users



Download Results

Datasets Used in Experiment

OSAQ
questionnaire...

Details

Uploaded By
Evdokimos Konstantinidis

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 101007990



19 Online Nodes



21 Total Nodes

I want others to be able to see the results of my experiment when they resolve RAI through doi.org

Once the results of an experiment have been produced, you can make the results available for everyone.

The screenshot displays the RAISE Consortium dashboard interface. On the left is a dark sidebar with navigation links: Dashboard, Datasets, Scripts, Experiments, Dataset Marketplace, Dataset Access Requests, Experiment Result Approvals, RAI Finder, and Nodes. The main content area shows the details of an experiment titled "RAISE Consortium questionnaire (second year) new vscode plugin v_8". The experiment is registered and was run on April 16, 2025, at 6:04:45 PM. The author is Evdokimos Konstantinidis, and the PID is 21.T15999/raise/19. A modal dialog is open in the center, asking for confirmation to change the experiment's result access level to allow other users to download the results. The dialog has "Cancel" and "OK" buttons. On the right side of the dashboard, there are sections for "Script Used in Experiment" and "Datasets Used in Experiment", both listing the experiment name and providing a "Details" button. At the bottom left, there is a European Union logo and text indicating funding from the Horizon 2020 research and innovation programme under grant agreement No. 101007990.

3 nodes online
5 total nodes

RAISE Consortium questionnaire (second year) new vscode plugin v_8

Details Registered

Name
RAISE Consortium questionnaire (second year) new vscode plugin v_8

Run Date
Apr 16, 2025, 6:04:45 PM

Node
AUTH

Author
Evdokimos Konstantinidis

PID
21.T15999/raise/19

Results Access level
☒ Results can be downloaded only by you

Change experiment's result access level
Are you sure you want to allow other users to download the results of the experiment?

Cancel OK


Script Used in Experiment
RAISE Consortium questionnaire (second year) new vscode plugin v_8
Uploaded By Evdokimos Konstantinidis [Details](#)


Datasets Used in Experiment
RAISE Consortium questionnaire (second year)
Uploaded By Evdokimos Konstantinidis [Details](#)


[Download Results](#)


This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 101007990

I want to know the usages of my dataset.

 eosoc


 RAISE








Evdokimos Konstantinidis


evdokimosk@gmail.com


 Dashboard


 Datasets


 Scripts


 Experiments


 Dataset Marketplace

 Dataset Access Requests

 Experiment Result Approvals


 RAI Finder


 Nodes




This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 101007990

Dataset Trends

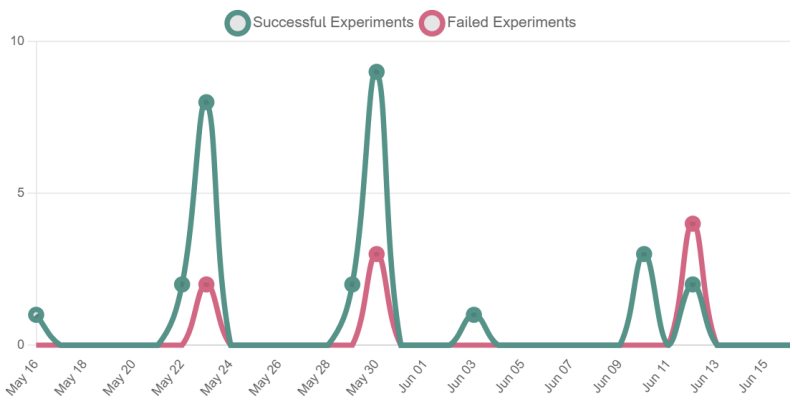
 Access Requests **34**

 Experiments **71**

 Sample Downloads **Coming Soon**

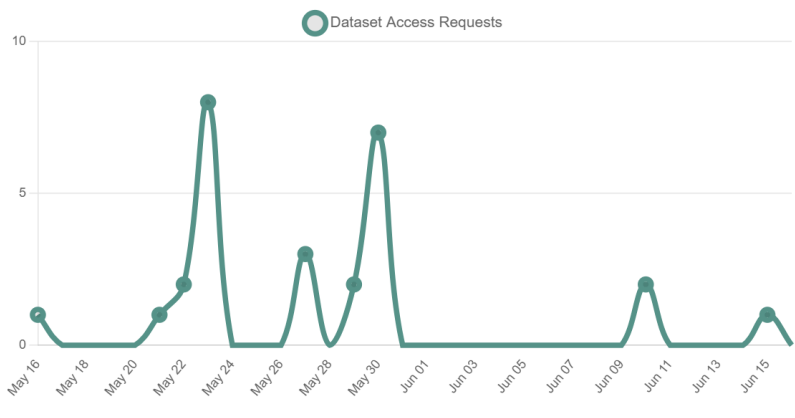
Successful Experiments

Failed Experiments



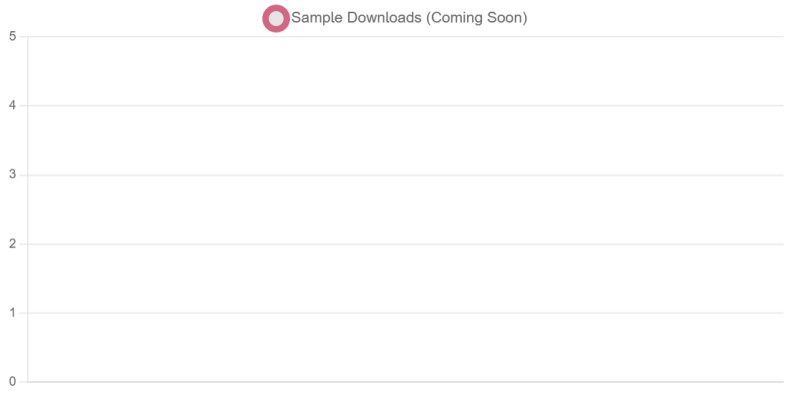
Date	Successful Experiments	Failed Experiments
May 16	1	0
May 22	2	0
May 24	8	2
May 28	2	0
May 30	9	3
Jun 03	1	0
Jun 09	3	0
Jun 11	2	4
Jun 13	0	0

Dataset Access Requests



Date	Dataset Access Requests
May 16	1
May 22	2
May 24	8
May 28	3
May 30	7
Jun 09	2
Jun 11	0
Jun 13	1

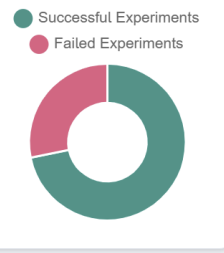
Sample Downloads (Coming Soon)



Date	Sample Downloads (Coming Soon)
------	--------------------------------

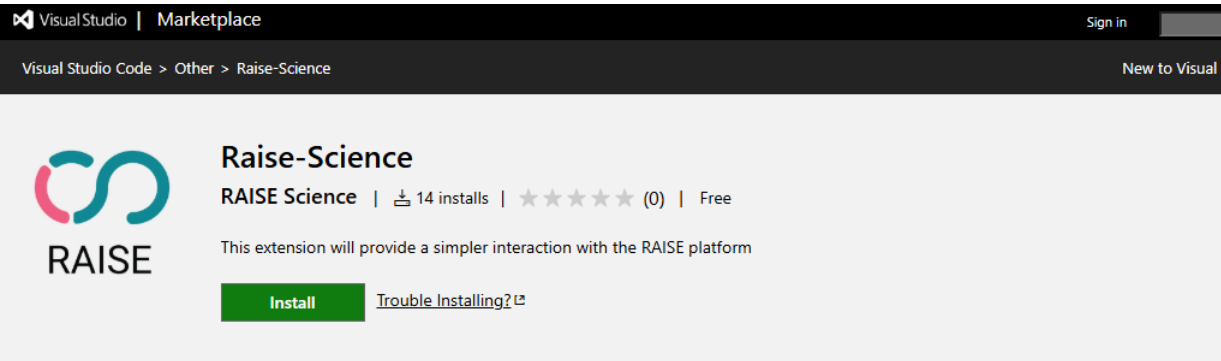
Successful Experiments

Failed Experiments




Category	Count	Percentage
Successful Experiments	71	85%
Failed Experiments	13	15%

IDE Plugins, SDKs, Libraries and APIs



Visual Studio | Marketplace

Visual Studio Code > Other > Raise-Science

 **Raise-Science**
RAISE Science | 14 installs | ★★★★★ (0) | Free

This extension will provide a simpler interaction with the RAISE platform

[Install](#) [Trouble Installing?](#)

[Overview](#) [Version History](#) [Q & A](#) [Rating & Review](#)

VSCode extension

For using in development environment, you can download the .vsix file from this repo [here](#).

And then from your VS Code, you can open the "Extensions" view (or Ctrl + Shift + X), select the three dots in the top right of the view, select the last option "Install from VSIX", and select the downloaded file.

Functionalities

- Download Sharable datasets
- Create initial Python file
- Add read function in Python file
- Upload and Execute experiment
- Usage of multiple datasets

Categories

Other

Tags

eosc open data science

Works with

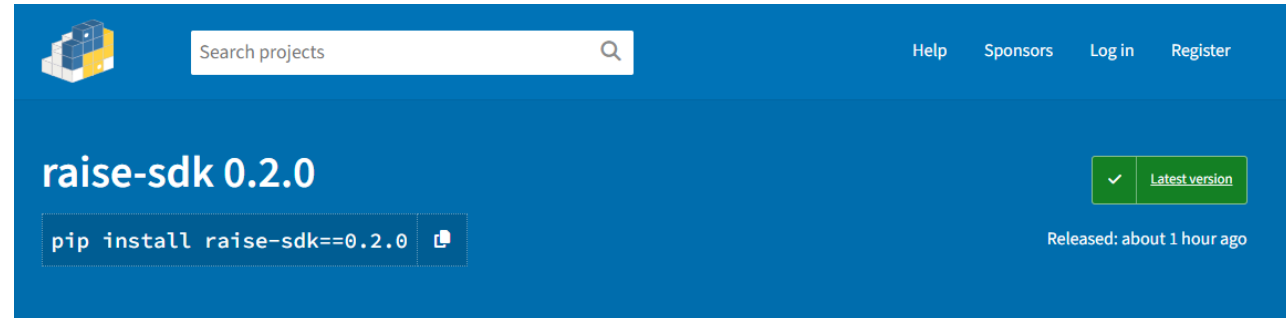
Universal

Resources

[License](#)
[Changelog](#)

More Info

Version 0.0.7



Search projects

raise-sdk 0.2.0 [Latest version](#)

`pip install raise-sdk==0.2.0`

Released: about 1 hour ago

RAISE Software Development Kit

Navigation

[Project description](#)


[Release history](#)

[Download files](#)

Verified details

These details have been [verified by PyPI](#)

Maintainers

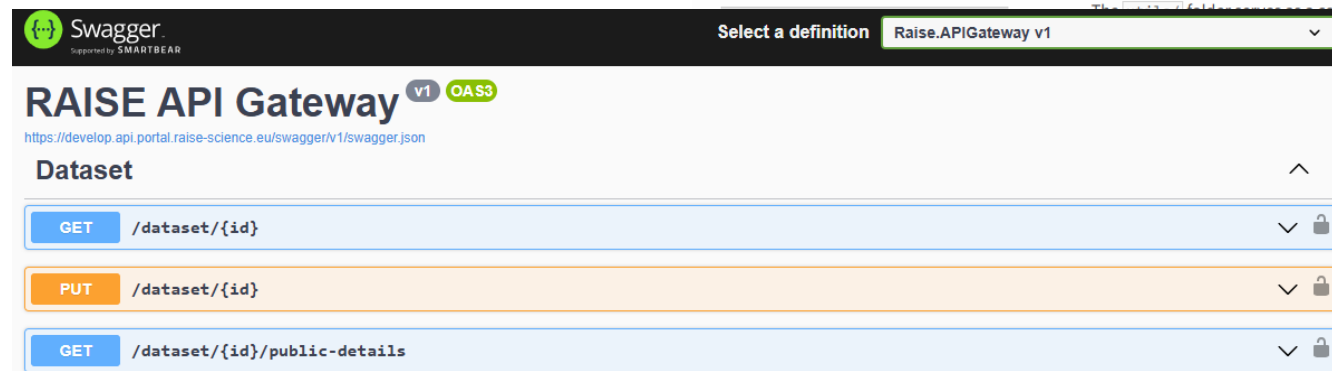
 [raise-science](#)

Project description

RAISE SDK

A software development kit for interacting with the core functionalities of the RAISE project. At the moment, it includes one submodule, [revo](#) (i.e. Remote Execution Validation Operations), and a [utils](#) folder.

- **REVO (Remote Execution Validation Operations)**
The REVO module is designed to implement the core functionalities of the RAI Processing Script Manager, enabling seamless execution and management of Python scripts for experiments. It is designed to automate key tasks such as managing dependencies, handling dataset selection, and running the main Python script, while also ensuring proper validation throughout the process. By integrating these features, REVO ensures that experiments are executed efficiently and with accurate logging, while validating the execution environment and providing detailed results for further analysis.
- **Utils**
The [utils](#) folder contains a collection of utility modules that provide reusable, convenient, and well-



Swagger
Supported by SMARTBEAR

Select a definition **Raise.APIGateway v1**

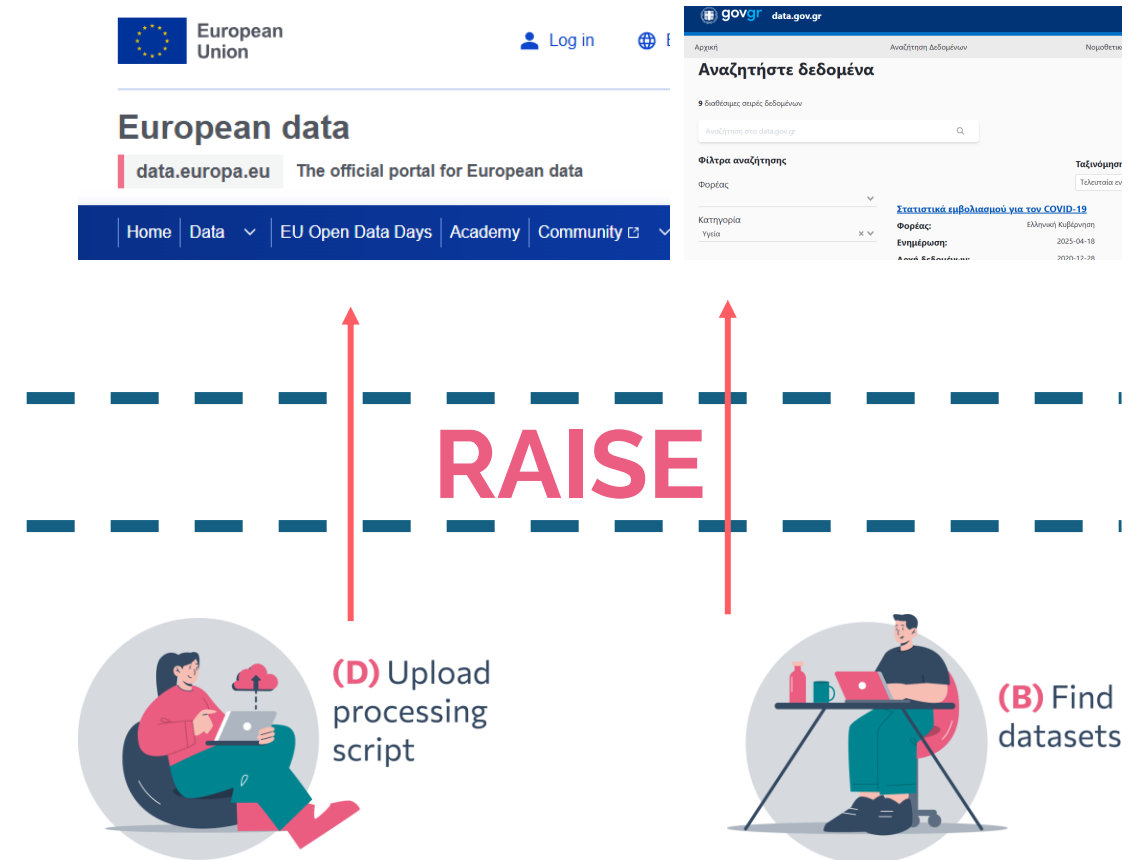
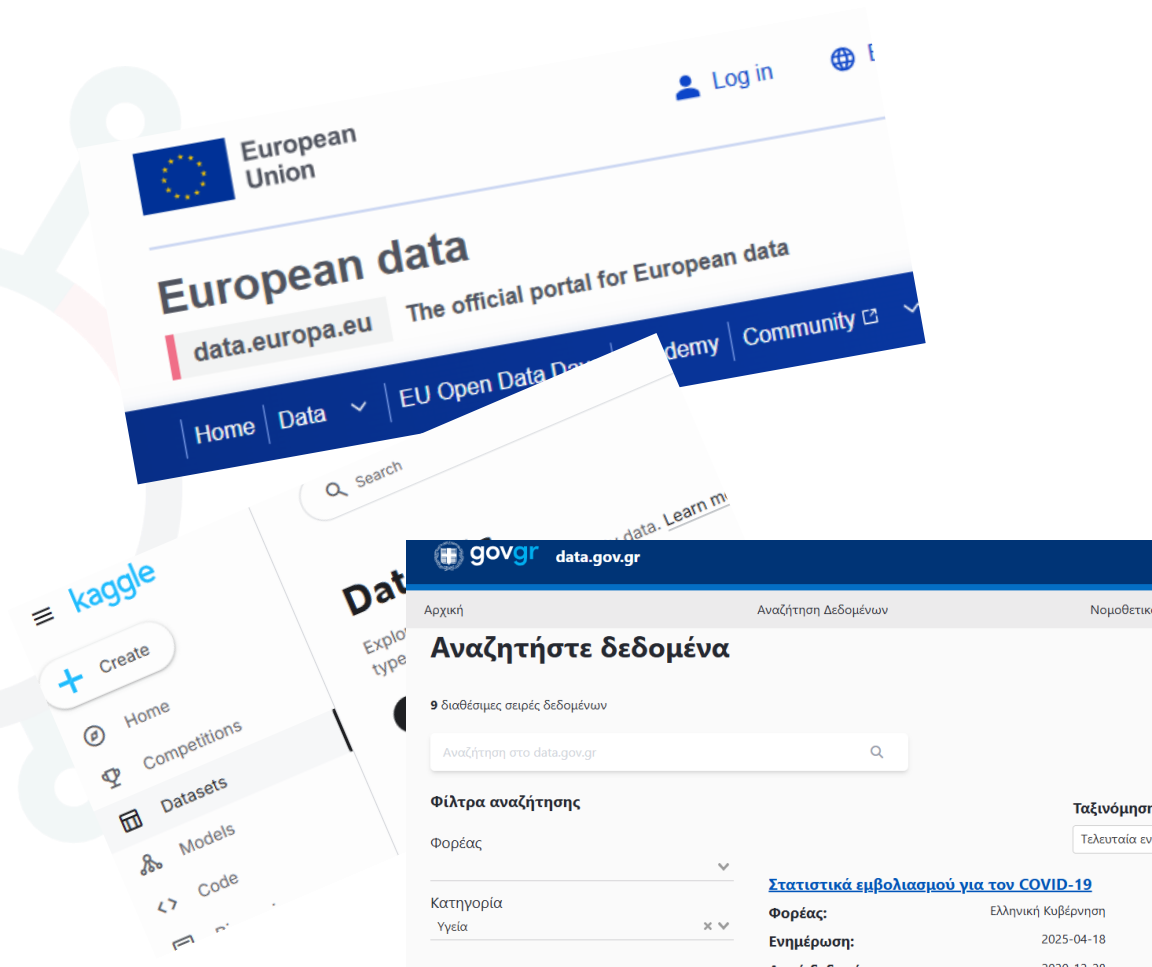
RAISE API Gateway V1 OAS3
<https://develop.api.portal.raise-science.eu/swagger/v1/swagger.json>

Dataset

GET	/dataset/{id}	⌵	🔒
PUT	/dataset/{id}	⌵	🔒
GET	/dataset/{id}/public-details	⌵	🔒

RAISE is not just another data portal

RAISE is the infrastructure for providing access to data



The Aristotle University of Thessaloniki can provide storage to key stakeholders for providing access to their data

XEETI spin-off



TRANSFORMING VISIONS INTO EXCELLENCE

The **ultimate**
blockchain for
open science and AI
data management

We are live at **portal.raise-science.eu**



<https://documentation.raise-science.eu>

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Online presence



<https://raise-science.eu/>



<https://twitter.com/RaiseScience>



<https://www.facebook.com/raise.science>



<https://www.linkedin.com/company/raise-science/>



Funded by
the European Union

Aristotle University of Thessaloniki (AUTH)

<https://www.auth.gr/en/>

<https://imedphys.med.auth.gr/>



info@raise-science.eu

Project coordinator:

Dr. Evdokimos Konstantinidis

Scientific coordinator

Prof. Panos Bamidis

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***Data providers view: What value
does the collaboration and the
platforms create for you?***



Speaker:

Achilleas Chytas

Associate Researcher at the Institute of Applied Biosciences (INAB), CERTH

Data providers view: What value does the collaboration and the platforms create for you?

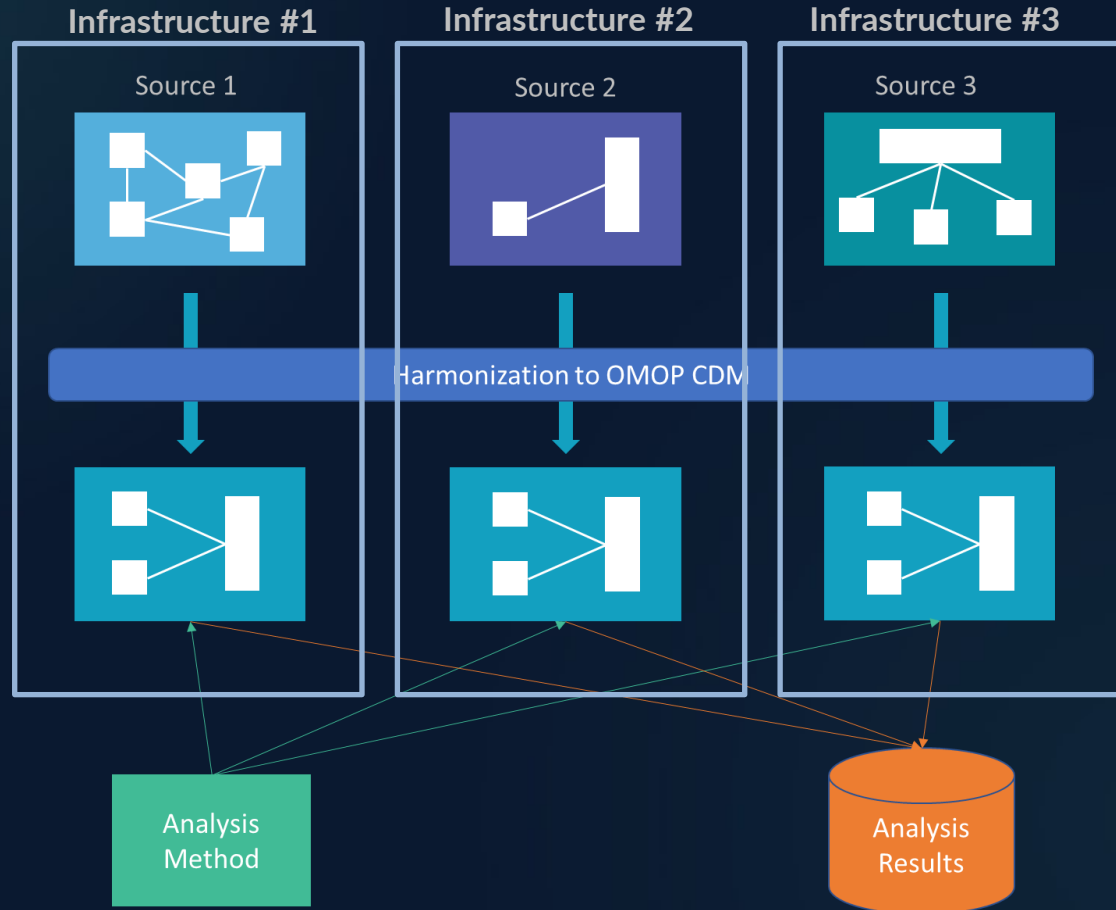
Leveraging Your Data Securely for Research, Collaboration, and Growth

Data Providers & Data Curators



OHDSI and OMOP-CDM

Only data summaries and statistics return to the researcher!!



When different approaches **Converge**

RAISE and OHDSI are aligned in their mission to expand safe, governed, and FAIR research access to valuable data by enabling secure processing, community standards, and responsible reuse. But they also complement each other

Secure Processing
Environment



The Hospital **Data Dilemma**

Many data providers' systems are built for its primary use (i.e. patient care), not research.

This creates significant barriers to internal analysis, and in the case of sensitive data, external collaboration.

Helps Unlock Your **Internal** Potential and elevate your **Research Profile**



Overcome System Limitations: Traditional systems are not designed for complex queries or visualizations. A processing platform unlocks this capability.



Enable Clinician-Led Research: Empower doctors and internal staff to conduct analyses they previously could not perform on their own.



New Insights, Better Care: Answering complex questions internally can lead to direct improvements in operational efficiency and patient outcomes.



Elevates the hospital's reputation by participating in and leading internal, national, and international collaborative studies.



Image by Flaticon.com

Drive Quality and Efficiency

Enhanced Data Quality

Using data for secondary research reveals hidden inconsistencies or limitations. This provides a valuable feedback loop to improve primary data collection and overall quality.

Significant Cost Savings

Avoid the high cost of building, securing, and maintaining a dedicated, in-house big data analysis platform. Leverage a shared, managed infrastructure.

From Data to Value



Data Discoverability

Allows potential partners to "explore" metadata to confirm it meets their study needs before beginning a project.



Promotes collaborations

Easy, secure access is highly attractive for external research partners (academia, pharma, national agencies).



New Funding Streams

Collaborations with industry and pharma generate new revenue sources.

Simplify Complexity



Simplified Legal Processes: Standardized data use agreements and access protocols reduce administrative burdens and support dynamic access.



Clear Governance: A central platform provides a single point of contact for managing data requests and ensuring compliance.



Transparent Auditing: All data access and analysis can be logged, providing a clear audit trail for compliance.

Security by Design

RAISE and similar privacy-preserving analysis platforms operate on a security-by-design model.

Such platforms don't allow direct access to sensitive data, and analytics are performed via secure communication channels, thereby eliminating the risk of privacy breaches during data transfer.



A Wasted Opportunity?

Data collected for primary use comprises a potential wealth of knowledge. Not using it for research is a missed opportunity to create new value for science and society.

Thank You

Questions & Discussion

LinkedIn:



<https://ehealth-lab.inab.certh.gr>



Mail: achytas@certh.gr

THANK YOU for participating!

Interested to learn more?
Contact us!



www.shift-hub.eu
consortium@shift-hub.eu



<https://raise-science.eu>
info@raise-science.eu



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