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the European Union

RAISE

Research Analysis Identifier

Μεταβαίνοντας από τα ανοιχτά
δεδομένα στα δεδομένα ανοιχτά
προς επεξεργασία: το
παράδειγμα RAISE

Δέσποινα Πετσάνη
Mission Coordinator of RAISE



raise-science.eu

Consortium

20

Partners

10

Countries

4.836.125€

EU funding

40

Months



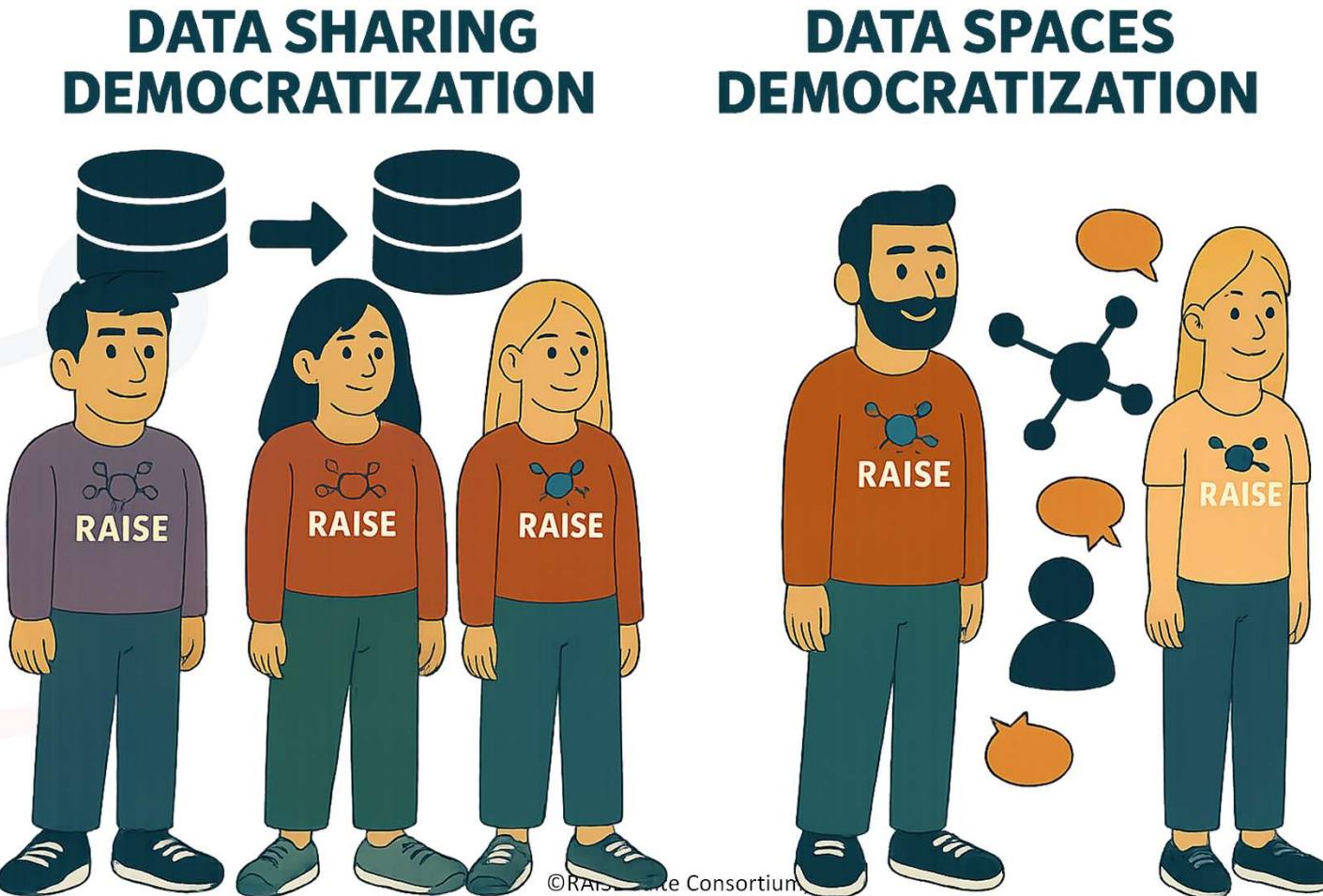


***Access and Process
Data with Trust!***



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Data sharing and Data spaces democratization



Peer-to-Peer Home Renting Platforms

 Lets you offer homes for rent

 Guests
Travelers book homes

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

RAISE

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

 **Visiting Algorithms**
Algorithms visit datasets

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



privacy
protection



ownership
accreditation



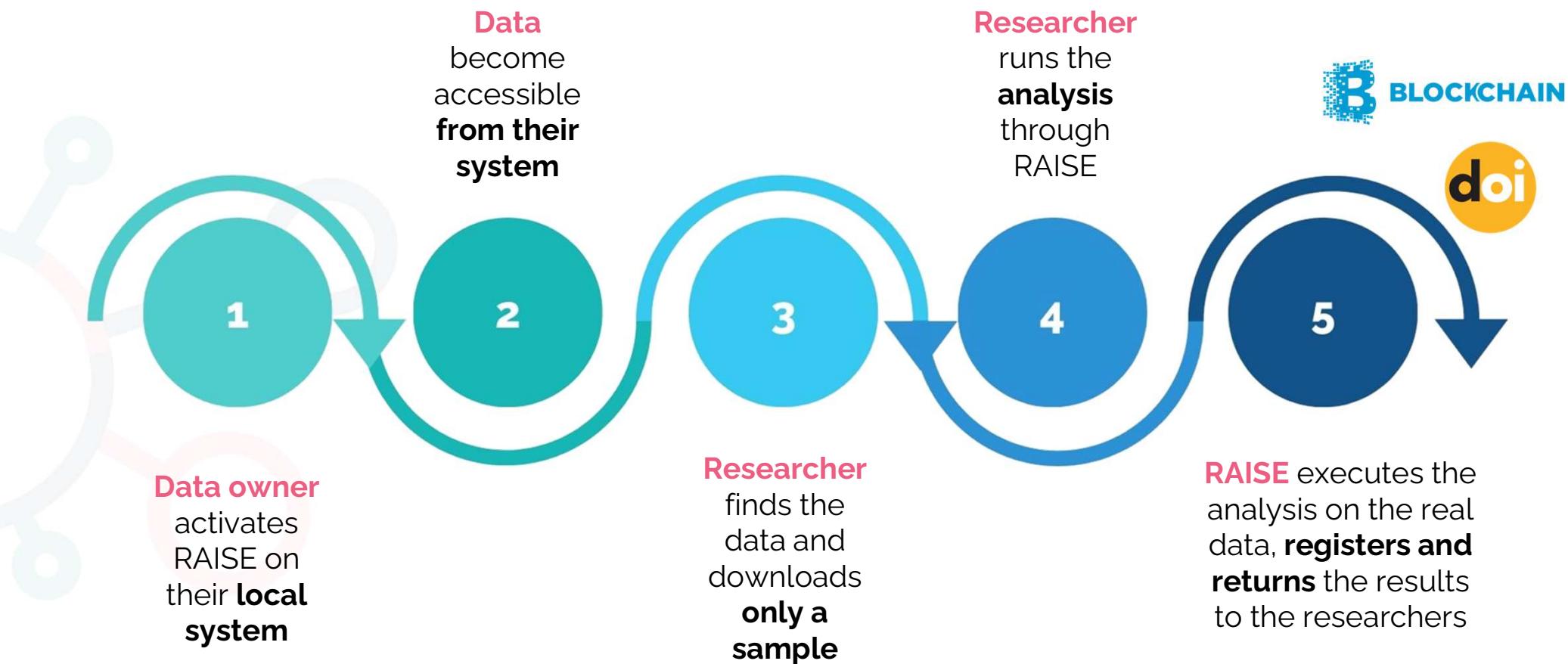
compliance



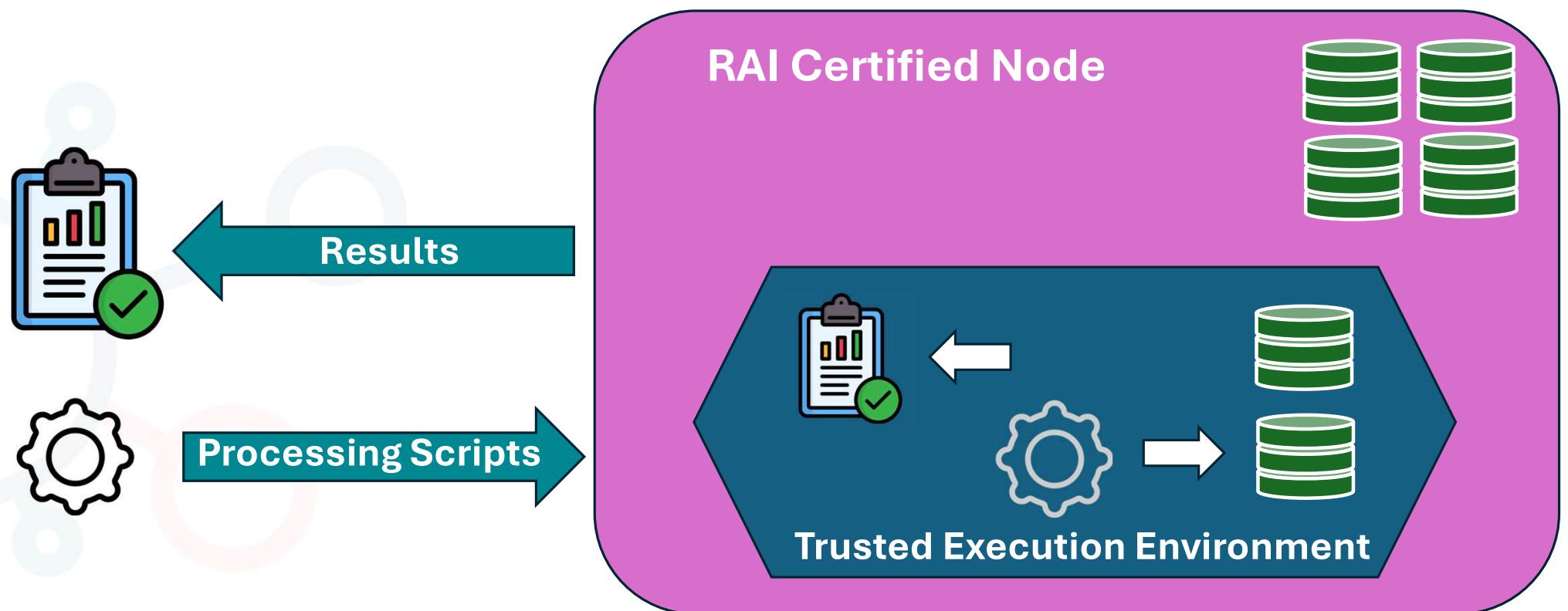
traceability

Trust through **Data Visiting**

DATA VISITING LIFE CYCLE



Trusted Execution Environment





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/ CERTH

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 / CERTH

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

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

The screenshot shows the eosc RAISE experiment page for the 'RAISE Consortium questionnaire (second year) v_3' experiment. The page includes the experiment title, a list of authors, a citation, and a DOI link (<https://doi.org/21.T15999/raise/4>). The DOI link is highlighted with an orange arrow. The page also displays sections for 'Datasets Used in Experiment' and 'Script Used in Experiment', both of which link back to the experiment details. The sidebar on the left shows the user's profile and various navigation links.

RAISE Consortium questionnaire (second year) v_3

Konstantinidis, E., Epelde, G., Makridou, I., 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., Yumusak, S., Josep Maria, S. G., Dimos, T., ... Bamidis, P. (2025). *RAISE Consortium questionnaire (second year)*. <https://doi.org/21.T15999/raise/4>

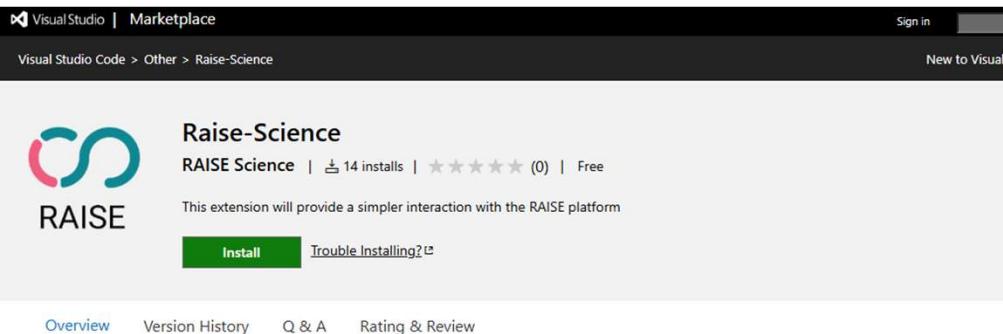
http://doi.org/21.T15999/raise/4

Datasets Used in Experiment

Script Used in Experiment

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement

IDE Plugins, SDKs, Libraries and APIs



Visual Studio Marketplace

Sign in

Visual Studio Code > Other > Raise-Science

New to Visual Studio?

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

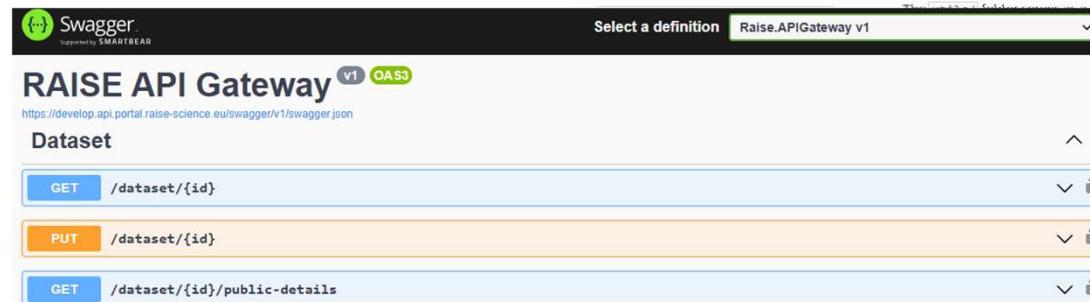
Universal

Resources

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

More Info

Version 0.0.7



Swagger Supported by SMARTBEAR

RAISE API Gateway v1 OAS3

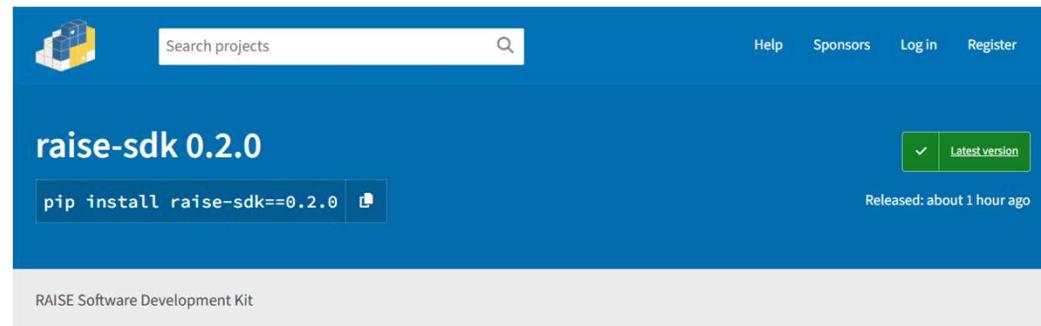
<https://develop.api.portal.raise-science.eu/swagger/v1/swagger.json>

Dataset

GET /dataset/{id}

PUT /dataset/{id}

GET /dataset/{id}/public-details



Search projects

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raise-sdk 0.2.0

`pip install raise-sdk==0.2.0`

Latest version

Released: about 1 hour ago

RAISE Software Development Kit

Navigation

Project description

RAISE SDK

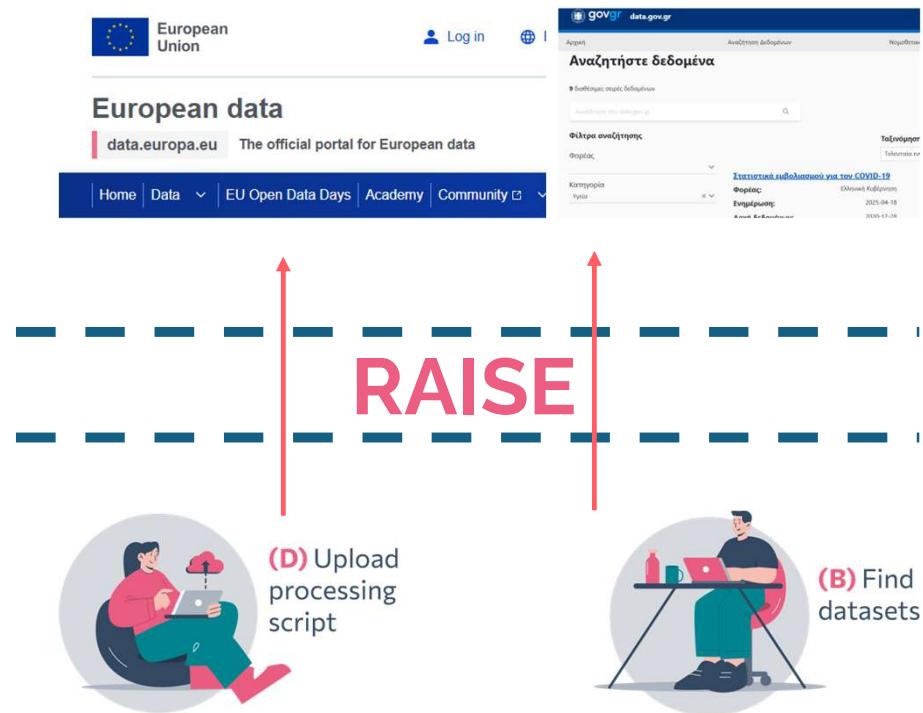
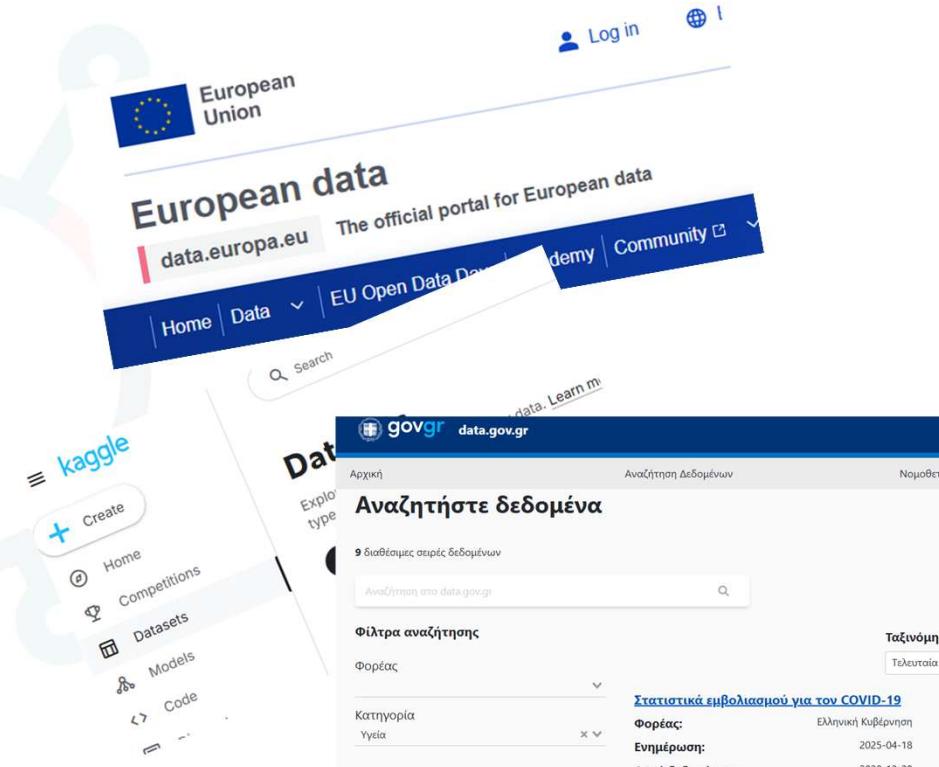
A software development kit for interacting with the core functionalities of the RAISE project. At the moment, it includes one submodule, `revo` (i.e. Remote Execution Validation Operations), and a `utils` folder.

- REVO (Remote Execution Validation Operations)**
The REVO module is designed to implement the core functionalities of the RAISE 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 module contains a collection of utility modules that provide reusable, convenient, and well-documented functionality for various tasks.

Select a definition **Raise.APIGateway v1**

RAISE is not just another data portal

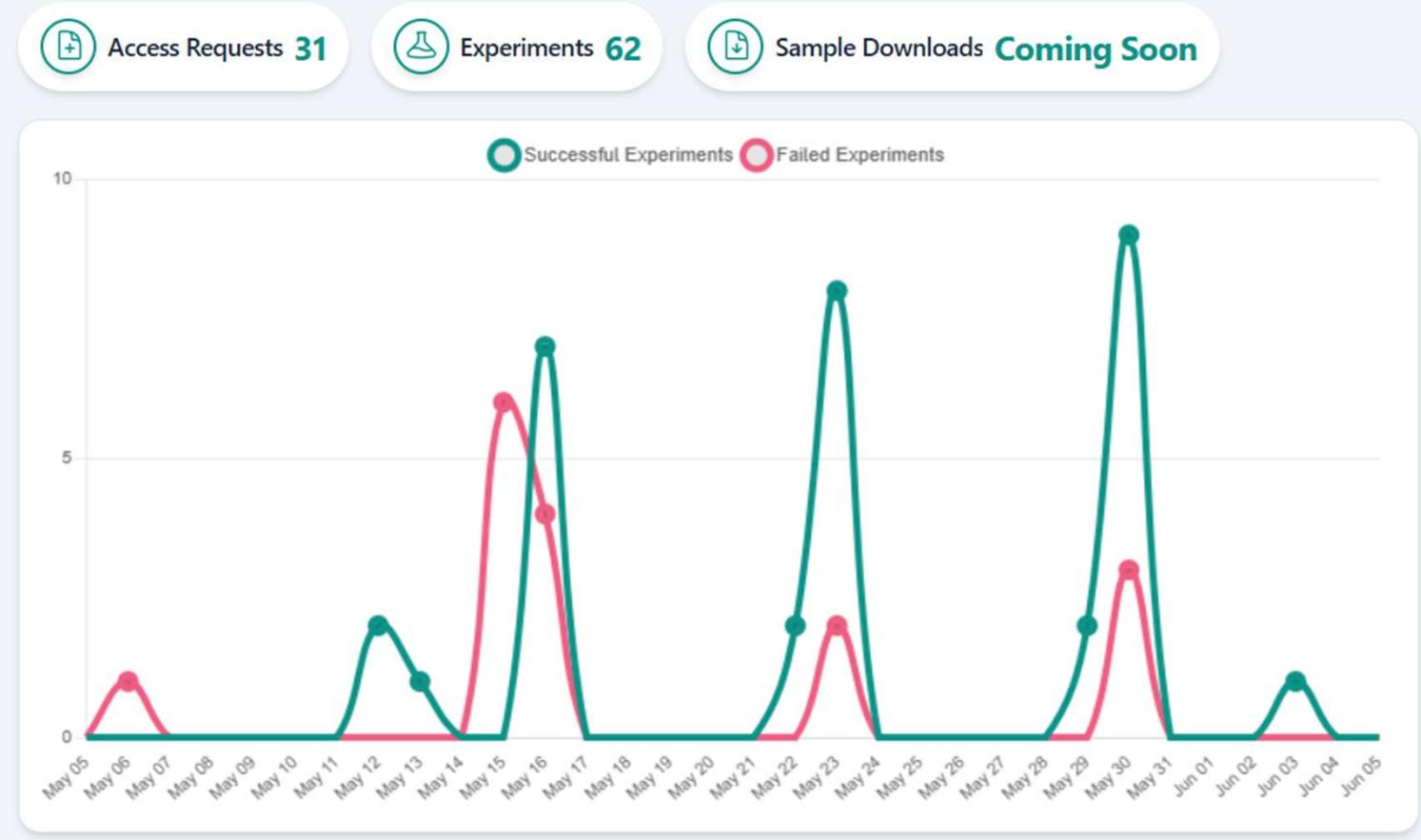
RAISE is the infrastructure for providing access to data



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

Measuring impact of the data

Dataset Trends



Where to store my datasets

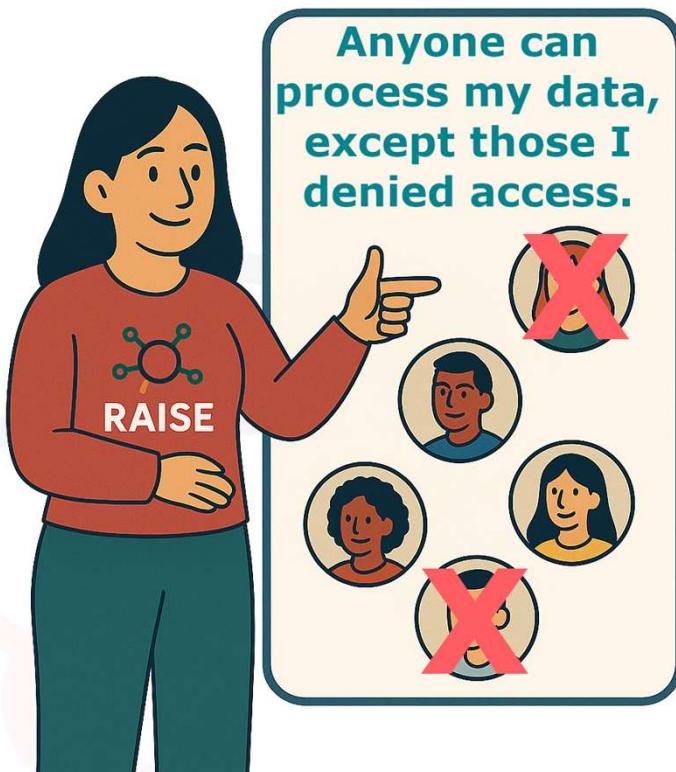


Upload your dataset to a **public certified node**



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.

Is the code safe to be executed?

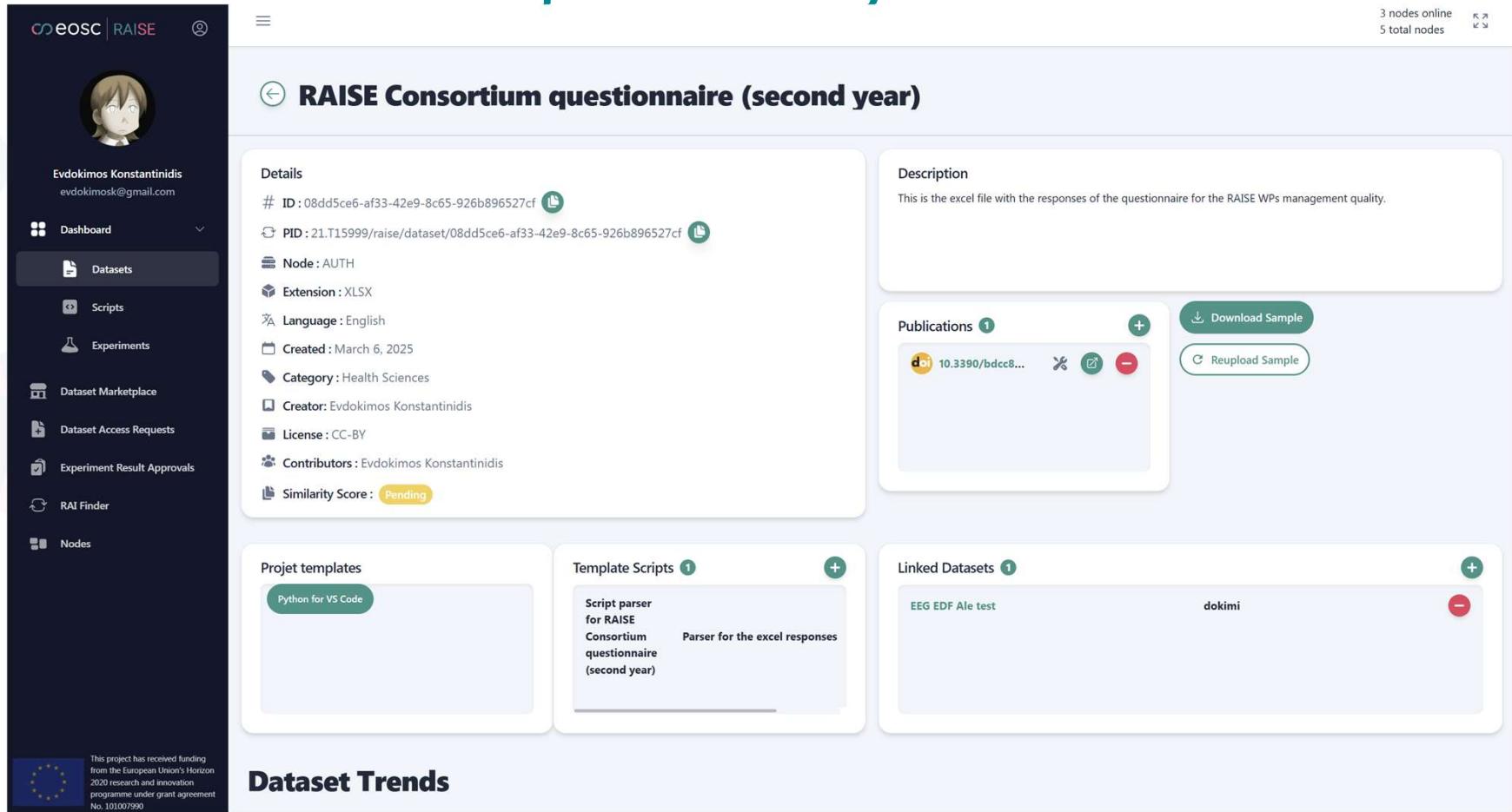


Static analysis before the code is executed. A short summary of what the code will do, along with potential hazardous actions are produced.



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

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



The screenshot shows the eosc RAISE dataset management interface. The top navigation bar includes the eosc RAISE logo, a user profile icon, and status indicators: "3 nodes online" and "5 total nodes". The main content area is titled "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:

- DOI: 10.3390/bdcc8...

Dataset Trends:

Project templates: Python for VS Code

Template Scripts: 1

- Script parser for RAISE Consortium questionnaire (second year)
- Parser for the excel responses (second year)

Linked Datasets: 1

- EEG EDF Ale test (dokimi)

I want to know the usages of my dataset.

Dataset Trends

Access Requests 34 Experiments 71 Sample Downloads Coming Soon

Successful Experiments Failed Experiments

Dataset Access Requests

Sample Downloads (Coming Soon)

Successful Experiments Failed Experiments

We are live at portal.raise-science.eu



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



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



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<https://www.auth.gr/en/>
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Dr. Evdokimos Konstantinidis

Scientific coordinator
Prof. Panos Bamidis

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