



EGI Federation response to ENVRI-FAIR requirements and future collaborations

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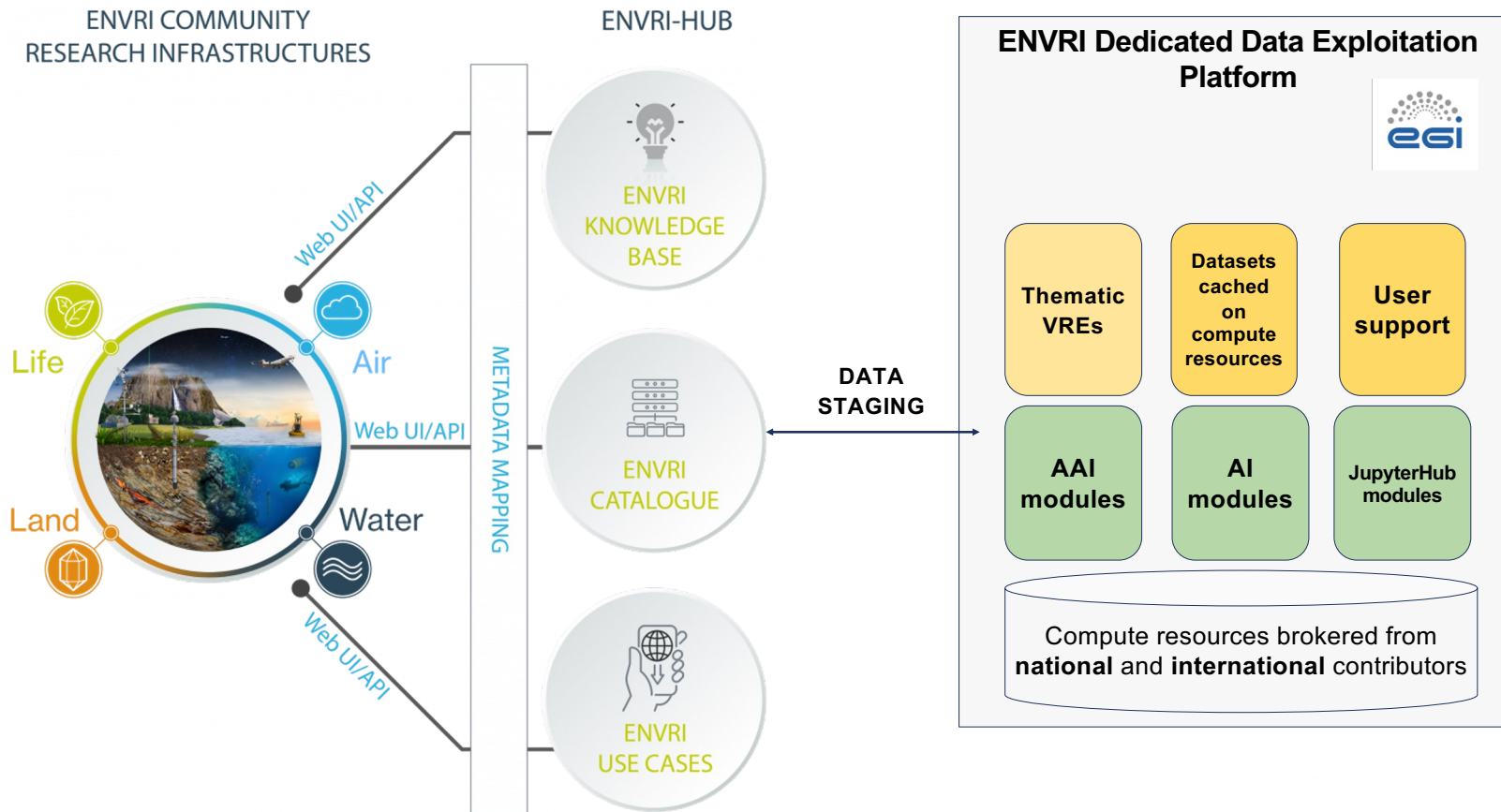
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TLP: WHITE Public

1. Cloud-based hosting and capacity scaling up of ENVRI-FAIR services

- > Cloud compute and storage for hosting of data analytics and other services integrating access data from different RIs
- > Scale up in-house capacity of RI data analytics with national facilities and serve researchers on a worldwide scale
- > ENVRI-hub use case

Scaling up RI data and service infrastructures in EOSC





2. Managed Jupyter Notebooks

Customized Jupyter Notebooks with integrated discovery and access to

- > Federated research data
- > Integrated workflow management to process on HTC, HPC and Cloud resources with the EGI Federation
- > Integrated and customisable output data deposition services

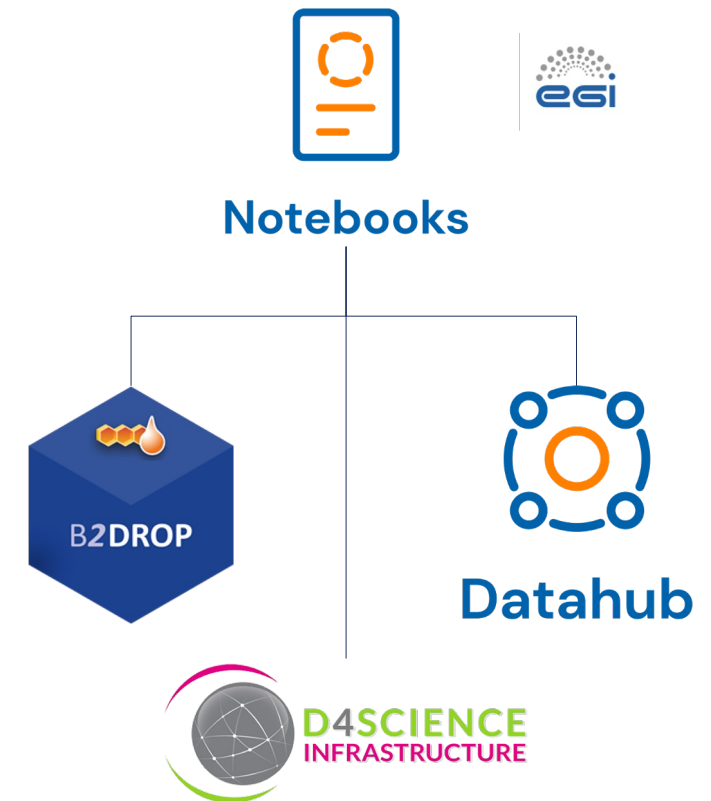
Accessing data from Notebooks

(Small) data in your user space

- Fetch data from publicly accessible repositories using code in notebooks or well-known tools as Rclone
- User credentials for EGI Check-in protected repositories configured in the environment

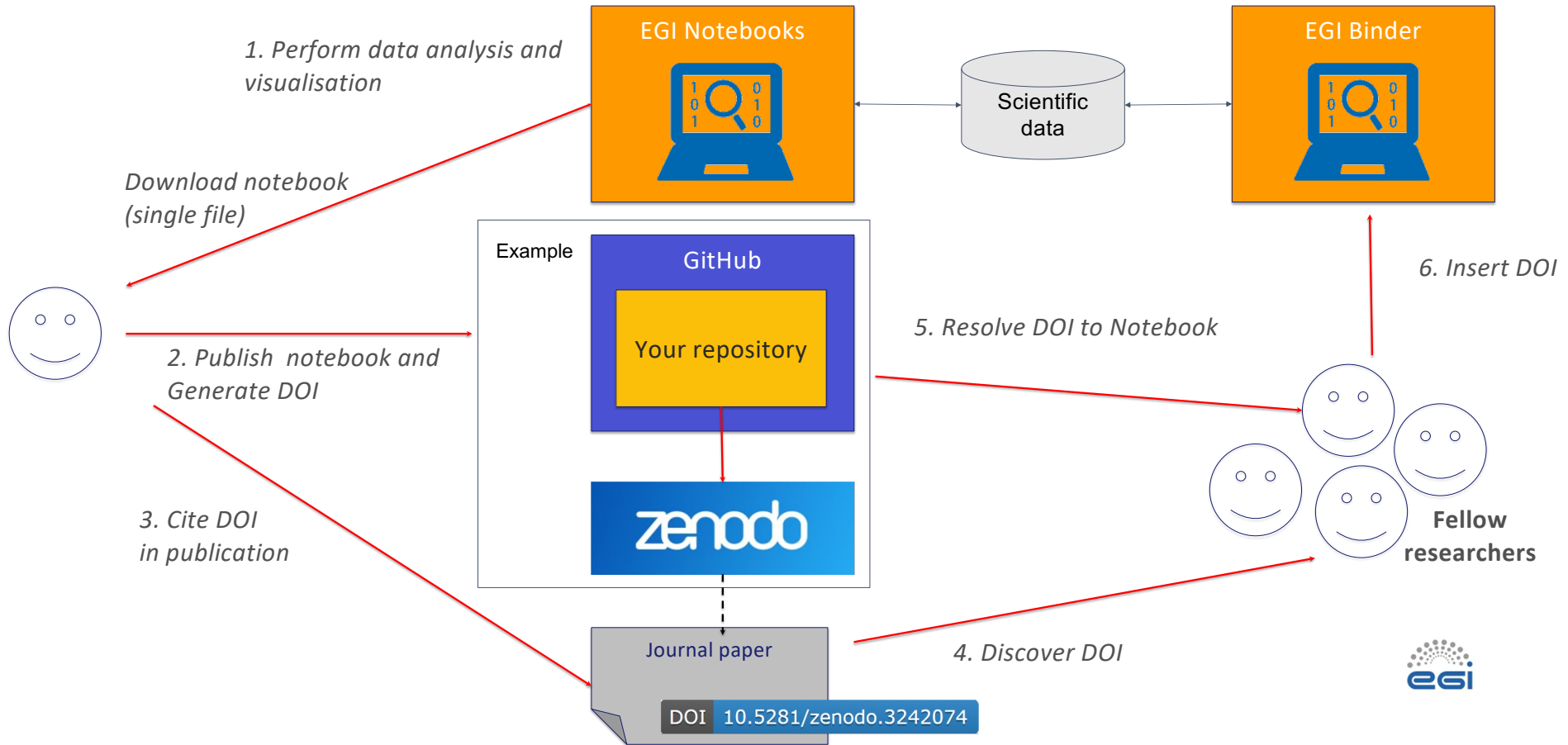
(Big) data integrations:

- **EGI DataHub** spaces available transparently as a local folder (available for all users)
- **EUDAT B2DROP** also available as local folder. Can be activated by users
- **D4Science Workspaces** for notebooks integrated into D4Science VREs
- More integration options can be supported





Elements for sharing/reproducible research



3. Coordinated technical support involving different expert teams

- > Integrated thematic and horizontal competencies for complex digital needs
- > One contact point for exploitation of thematic research data, software including horizontal services from EO SC

A central graphic showing a network of blue lines connecting various nodes. Some nodes are highlighted with circular images: a hand holding a tablet, a globe, a satellite dish, and a server rack.

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The EGI logo and the website URL 'www.egi.eu' are positioned at the bottom right of the central graphic.

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