

## Are you a **USER** or a **JOINER**?

### What is EUDAT ?

EUDAT<sup>1</sup> enables European researchers and practitioners from any research discipline and any geographical location to **preserve, find, access, and process research data in a trusted environment.**

EUDAT is building a European collaborative data infrastructure (CDI), a distributed network of data-related services, provided by Europe's most powerful scientific data centres, which enhance research collaborations based on electronic data. Furthermore, thanks to these integrated infrastructures, **research communities will be able to collaborate with each other** across Europe and even globally.

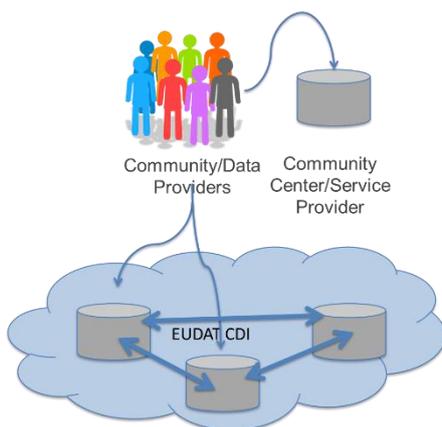
### What is the EUDAT CDI (Collaborative Data Infrastructure)?

The EUDAT CDI consists of a distributed network of data-related services which are provided by scientific data centres (called *CDI nodes*) located all over Europe. The CDI distinguishes between services which are provided locally by **generic** or **thematic** nodes for their own user domain. Together with some centrally provided services that are needed to operate the CDI or to provide central public services for researchers and citizen scientists that are not with specific research communities or institutions.

### Who can benefit from EUDAT?

Service providers, research communities, academic institutions, individual researchers and citizen scientists can collaborate with EUDAT by either **USING** or **JOINING** the CDI.

### Using EUDAT



**Who can use:** Any researcher, research group or collaboration may **use** EUDAT services. This allows them to use services that are supplied by EUDAT and deployed at specific sites according to the terms and conditions of the service specified by EUDAT and the service provider.

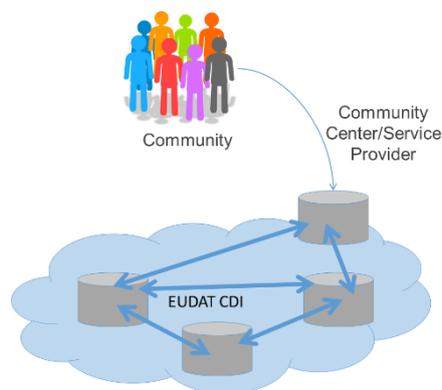
**Benefits of using:** Open data will empower and engage citizens, and give them the information they need to make decisions in their lives; it will be a source of inspirations for entrepreneurs incentivizing innovation; it will make the work of researchers and scientists easier and faster, creating new careers and enhancing their status in society.

<sup>1</sup> EUDAT – the pan-European Data Infrastructure

## Joining EUDAT

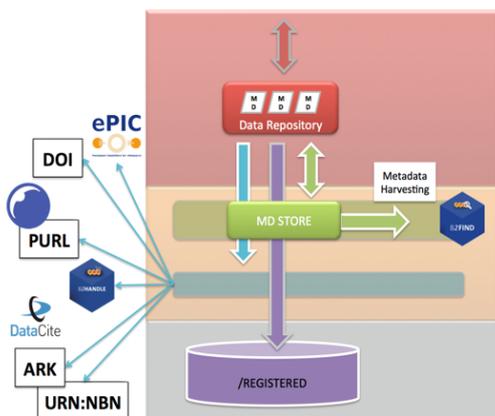
**Who can join:** Both generic and thematic data centres may join the EUDAT CDI by signing the CDI collaboration agreement. Both can become a part of the CDI network and provide CDI services to a **generic** or **thematic** user community. **Generic nodes** have mandates to support research from different disciplines, while **thematic nodes** support well-defined research community or group of customers and users.

Partners can join the CDI as **interoperable nodes** or as **integrated nodes**, each of which corresponds to different levels of integration and different levels of responsibility. Both options are open to any generic or thematic site hosting a data repository and providing Information and Communication Technology (ICT) services to facilitate scientific research. Both will discover associated metadata using EUDAT services.



## Integration levels of Nodes

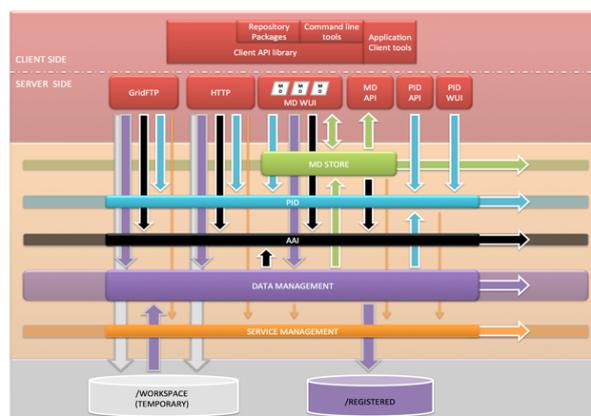
### Interoperable node



#### Interoperable nodes:

- have a data repository in which they preserve or curate data (*storage* and *access* services).
- identify the data hosted in the repository via some form of persistent identifier (*persistent identification*)
- make discovered through EUDAT's B2FIND service (*metadata*).

### Integrated node



#### Integrated nodes:

- are interoperable (as in a)
- integrate their local data infrastructure with the CDI's *data management* services
- provide a common *data access* layer
- integrate with a common *authentication & authorization* infrastructure (AAI)
- connect their services to the common CDI *service management infrastructure* framework.

**Benefits of joining:** access to a wide community of researchers who want to store data from research and experiment studies with long lifespan. Data centres will be recognised for having a role in discovering associated metadata and will be able to find new communities, leading to new business opportunities.

**NOW THAT YOU KNOW WHICH ONE IS FOR YOU ... CONTACT US AT [INFO@EUDAT.EU](mailto:INFO@EUDAT.EU)**