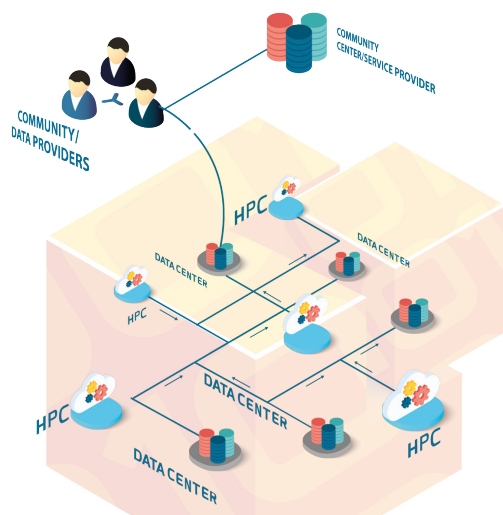


EUDAT THE COLLABORATIVE DATA INFRASTRUCTURE (CDI)



What is it?

The EUDAT Collaborative Data Infrastructure is a defined data model and a set of technical standards and policies adopted by European research data centres and community data repositories to create a **single European e-infrastructure of interoperable data services**. The scope of the CDI covers data management functions and policies for upload and retrieval, identification and description, movement, replication and data integrity.

The EUDAT CDI is realised through ongoing **collaboration between service providers, both generic and thematic and research communities** working as part of a common framework for developing and operating an interoperable layer of common data services.

How can you get involved in the CDI?

There are differences between the ways in which **individuals** or **groups of researchers** can interact with the EUDAT CDI compared to the way **computing and data centres** participate in the CDI. Generally, researchers **use** the EUDAT CDI, while computing and data centres **join** it as CDI generic or thematic service providers and are known as nodes.

Who could be CDI users?

Organisations or individuals making use of the EUDAT CDI without joining are known as “**Users**”. Examples of Users range from single researchers or small research groups up to major research infrastructures (e.g. ESFRI research infrastructures) and other e-Infrastructures (e.g. EGI compute clusters or PRACE supercomputers). Users interact with the EUDAT CDI through one or more of its nodes.

What does joining the CDI mean?

Any generic or thematic site hosting a data repository and providing ICT services to facilitate research is welcome to join the EUDAT CDI. Sites can join either as an interoperable or integrated node, which involve different levels of integration between the centre and the rest of the CDI and different levels of responsibility.

Interoperable or Integrated? Which one is for you?

Joining the CDI as an **interoperable** site is a relatively simple method of joining the EUDAT CDI network. As a minimum, interoperable sites need to have a data repository in which they preserve or curate data from either a single research community or, in the case of a generic data centre, where they host data from several research communities or experiments. It must be possible to identify the data hosted in the repository via some form of persistent identifier, and it must be possible to harvest and discover the associated metadata through EUDAT's B2FIND service.

Integration into the EUDAT CDI represents a more significant step, both in terms of the functionality that is required of the site and the operational support that the site must be able to provide.

In addition to fulfilling the requirements of an interoperable service provider, integrated service providers integrate their local data infrastructure with the EUDAT CDI data management services (like B2SAFE), comply with the CDI common policy framework, provide a common access layer (CDI Gateways), integrate with a common Authentication and Authorization Infrastructure or AAI (such as B2ACCESS) and adhere to a common CDI service management framework.

How do I join?

Email eudat-cdi-secretariat@postit.csc.fi for more information

About EUDAT

EUDAT's vision is to enable European researchers and practitioners from any research discipline to preserve, find, access, and process data in a trusted environment, as part of a Collaborative Data Infrastructure (CDI). Conceived as a network of collaborating, cooperating centres, EUDAT combines the richness of numerous community-specific data repositories with the permanence and persistence of some of Europe's largest scientific data and computing centres.

CDI PARTNERS



www.eudat.eu



[@Eudat_eu](https://twitter.com/Eudat_eu)

www.eudat.eu



EUDAT receives funding from the European Union's Horizon 2020 programme - DG CONNECT e-Infrastructures. Contract No. 654065