EUDAT in the EU landscape

European Union (EU) funded e-infrastructures address the needs of European researchers and innovators for transnational communication networks, high performance and high throughput computing, multidisciplinary data management and collaborative scientific software. They empower researchers with easy and secure online access to facilities and resources and enable them to deliver reusable and reproducible research and innovation outputs. During the period 2014-2020, the EU has invested more than 850 million euros in digital infrastructures through its Horizon 2020 e-infrastructure programme [1].

**EUDAT has established synergies with other e-Infrastructures as illustrated below:**

- EUDAT worked on **connecting the CDI to high throughput and cloud computing resources provided through EGI**, integrating storage resources managed by EUDAT and computing resources available at EGI sites. This was demonstrated via two pilots involving ICOS and EPOS. Collaboration is now being continued as part of the EOSC-hub project.

- EUDAT is working with **GÉANT** to **bring forward communities' networking and AAI requirements** and to ensure that the networking infrastructure on which EUDAT relies remains strong enough to meet its existing and future needs.
• EUDAT has provided data resources and services to PRACE projects for a total amount of 700 TB of storage space. A long-term sustainability plan for the contribution of resources is under discussion within the EUDAT CDI Council. EUDAT also worked with PRACE experts to harmonise access to both infrastructures through federated AAI, delivered joint training activities to PRACE users about Data Management practices and plans, and offered the central EUDAT B2SHARE instance to publish information material, applications, reports on results of PRACE resource allocation, white papers, best practice guides, etc. Finally, EUDAT and PRACE both contribute in the cross-organisation security workgroups (WISE).

• EUDAT has provided continuous support to RDA since its beginning and has been working within RDA to foster interoperability at a global level and remove barriers for sharing and (re)using data. EUDAT is also an organisational member of RDA.

[1] Source: e-Infrastructures: Making Europe the best place for research and innovation