



EUDAT Sept 2012 - Feb 2015

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Project Abstract

The EUDAT consortium included representatives from each stage of the value chain that has evolved to deliver scientific knowledge to researchers, citizens, industry and society as a whole. It included funding agencies that invest in research infrastructures and programmes of research, infrastructure operators and research communities who rely on the availability of data-management services, national data centres and providers of connectivity and, of course, the users who rely on the availability of data and services, innovators who add value to the raw results of scientific research. EUDAT was a three-year project tasked with building a Collaborative Data Infrastructure (CDI). At the end of the three year contract EUDAT - the pan-European data infrastructure - laid the foundations of a vibrant, healthy and self-sustaining CDI and is on track to achieve its vision.

EUDAT has established itself as a matured production infrastructure with a strong service-oriented approach and close relationship to research communities. It has managed to launch a set of well-identified services available to European researchers and research communities. Taken together they result in the seamless provision of data solutions via the EUDAT data e-infrastructure, managed by a trusted network of some of the most powerful European high performance computing centres, national data centres and research institutions. The priorities for the next phase (*EUDAT2020 March 2015 - February 2018*) were defined in order to consolidate these services and also to develop the necessary policies and business models, as well as the organizational framework that will make it possible to provide these services in a cost-efficient and sustainable way.

A complete list of the public deliverables under this contract are available at <https://www.eudat.eu/deliverables>

Work Packages

WP2: Sustainability and Evolution to ensure the continued relevance of the shared services adopted during the project and the viability of the collaborative data infrastructure over the long term.

WP3: Dissemination, Outreach and Training to manage the relationships between the project and specific target audiences, ensure their understanding of its progress and achievements and stimulate adoption of the shared services created by the project.

WP4: Stakeholder Requirements to ensure that the design of the Collaborative Data Infrastructure (CDI) and the services created by the project are fit for purpose and that they meet the needs of the intended communities of use and the landscape of services and architectures currently in use within those communities.

WP 5: Services and Technology Appraisal to identify and utilise available technologies and tools to implement the required services, and to identify gaps and market failures that should be addressed within the joint research activities.

WP6: Operating the European Collaborative Data Infrastructure to make the collaborative data infrastructure available by deploying and integrating (multidisciplinary) services, establishing an operational and support infrastructure that is working according to best practices and in compliance with widely accepted standards and guidelines in the domain of security and quality assurance.

WP7: Addressing Scalability and Preservation to support the longer term growth and development of the EUDAT infrastructure, by addressing some of the problems that surround the many complex activities associated

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with data curation and preservation, across multiple, diverse organisations, including the need for automating coordination and management, driven by policy-rules within a relatively local set of federated archives.

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