

## **Industry Perspectives on EUDAT - A Pan-European Common Data Infrastructure**

David Manset<sup>1</sup> and the EUDAT Consortium<sup>2</sup>

<sup>1</sup>MAAT France, Argonay, France

dmanset@maatg.fr

<sup>2</sup><http://www.eudat.eu>

eudat-pmo@postit.csc.fi

**Abstract.** A relentless trend of massive data generation is happening across all human activities. It is estimated that the amount of data produced each year is greater than the sum of all that previously created, thus exceeding ICT tools and capacities. Although the challenges may seem daunting and ambitious to address, the opportunities are immense. With a proper infrastructure and accompanying set of services in place, researchers, engineers and users may be able to share data and exploit it to its full potential, to derive new knowledge and develop innovative applications.

Within this landscape, the EUDAT project aims to contribute to the production of a pan-European Collaborative Data Infrastructure (CDI) addressing data proliferation in Europe's scientific and research communities. Its vision is to support a CDI, which will allow researchers to share data within and between communities and enable them to carry out their daily work effectively. EUDAT aims to provide a solution that will be affordable, trustworthy, robust, persistent and easy to use, over time. It offers the opportunity for communities to contribute to and benefit from a distributed, managed, sustainable and production quality service hosting framework.

EUDAT is thus focusing on the development of six foundational services, which are considered as top priorities for the communities and which address the core functional requirements of the CDI. The proposed presentation will therefore introduce the EUDAT CDI services and elaborate on the industrial perspectives, which the latter open in associated communities and industry sectors.

**Keywords.** E-infrastructure, Big Data, CDI, Commodity Service, Digital Object Identifier, Cloud, Grid, HPC