

CHAIR: JOHANNES REETZ, RZG / MPG, GERMANY

DATE & TIME: TUESDAY 29TH OCTOBER – 14:00 - 16:00

PLENARY ROOM:RAFFAELLO + TINTORETTO + BOTTICELLI

OVERVIEW:

Safe Replication (SR) and **Data Staging (DS)** are EUDAT services for moving data between sites and storage systems for two kinds of purposes. The **purpose of SR** is to keep the data from a repository safe by replicating it across different geographical and administrative zones according to a set of well-defined policies. It is also a way to store larger volumes of data permanently at those sites which are providing powerful on-demand data analysis facilities. In particular, SR operates on the domain of registered data where data objects are referable via persistent identifiers (PIDs). SR is more than just copying data because the PIDs must be carefully managed when data objects are moved or replicated.

The general **purpose of DS** is to move data between storage systems, specifically, DS transfers data from the domain of registered data into a temporary storage space, and vice versa, it moves data from any storage space into the domain of registered data, typically a repository.

The session will introduce the problem space of SR and DS, presents the achievements that have been made during the last year for enabling communities to make use of the SR service as well as DS, demonstrates a few use cases, outlines the commonalities and differences between the policies for SR, presents new developments towards a common service layer interface and a data policy management framework.

AGENDA:

14:00 - 14:10	B2SAFE and B2STAGE: Two Core Services of the EUDAT CDI, Johannes Reetz, RZG / MPG, Germany
	Johannes Reetz is Operations Manager of EUDAT and project manager at the Garching Computing Centre of the Max Planck Society (RZG). He received a diploma in physics in 1991 and a PhD in natural sciences from the University of Munich in 1999. His scientific background is observational and theoretical astrophysics in the domain of cool stellar atmospheres and the chemical evolution of the Galaxy. After a working stay at the ESO Data Management Division in 1999, he joined the XDV team at the Max Planck Institute for Plasma Physics developing data acquisition software for the W7-X nuclear fusion experiment. In the European HPC project DEISA, he worked on grid middleware, the development of the accounting facilities, and was involved in DEISA operations and task leader for data-related services.
14:10 - 14:20	B2SAFE adoption in the EPOS community, Claudio Cacciari, CINECA, Italy
5min Q&A	
14:25 - 14:35 :	Utilisation of B2SAFE by the MPI-TLA CLARIN Center, Willem Elbers, Max-Planck-Institute for Psycholinguistics, The Netherlands

	<p>Willem Elbers has been working as a software developer at The Language Archive, a unit of the Max Planck Institute for Psycholinguistics, since 2009. Prior to this position he studied computer science with a master in artificial intelligence at the Radboud University in Nijmegen. His specific areas of interest include data grid middleware, single sign on solutions, authentication and authorization infrastructures and the management and access of digital collections of linguistic data.</p>
5min Q&A	
14:40 - 14:50	CLARIN-CUNI, Pavel Stranak, Charles University, Czech Republic
5min Q&A	
14:55 - 15:10	VPH and the Biomedical Scientific Case for EUDAT, Peter Coveney, University College London, UK
15:10 - 15:30	Community integrated B2STAGE tools, Stefan Zasada, University College London, UK and Giuseppe Fiameni, CINECA, Italy
	<p>Giuseppe Fiameni holds a degree in Computer Science from the University of Bologna and joined the SuperComputing Department of CINECA (largest Italian supercomputing centre) as technology consultant on 2004. Over the years he has been contributing to many European (PRACE, DEISA, EMI, etc.) and National projects maturing a strong experience in High Performance Computing infrastructure and large data management and analysis systems. He has extensive experience in the field of computational sciences, parallel architectures, parallel programming models, scaling applications and system performance evaluation. Giuseppe Fiameni is currently leading the "Middleware for HPC Services" group of the SuperComputing Applications and Innovation department which is responsible for the implementation of data and computational services and contribute to the evolution of the CINECA computational and data infrastructure. He is actively contributing to the EUDAT and the Human Brain project, member of the Research Data Alliance and of the ICT board of the EPOS project (www.epos-eu.org).</p>
5min Q&A	
15:35 - 14:45	B2SAFE Policies, Willem Elbers, Max-Planck-Institute for Psycholinguistics, The Netherlands
15:45 - 15:55	B2SAFE - Data Policy Manager Service Case, Maria Francesca Iozzi, SIGMA/University of Oslo, Norway
	<p>Maria Francesca Iozzi is presently employed as senior software engineer at the University Center of Information Technology, University of Oslo. She majored (with honors) at the University of Pisa in theoretical chemistry and obtained the PhD Degree in Physical Chemistry at the University of Napoli, Italy, specializing in molecular modeling and theoretical methods applied to material science. After many year of academic research she entered the HPC world as support for end users dealing with chemistry and material science software. She has been part of PRACE (Partnership for Advanced Computing in Europe) where she acted as coordinator of the effort of different European groups to enable common software to petascale computing. More recently she joined the EUDAT (European Data Infrastructure) as leader of the task force developing the Data Policy Manager Service.</p>