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The SADE mini-project of the EGI DARIAH Competence Centre

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The DARIAH Competence Centre (CC) aims to widen the usage of the e-Infrastructures for Arts and Humanities (A&H) research. The objectives of the DARIAH CC, that will run over two years are the following: (i) to strengthen the collaboration between DARIAH-EU and EGI using workflow-oriented application gateways and deploying A&H applications in the EGI federated cloud (EGI FedCloud); (ii) to increase the number of accessible e-Science services and applications for the A&H researchers and integration of existing NGI resources into EGI; (iii) to raise awareness of A&H researchers of the possible benefits (excellence research) of using e-Infrastructure and e-Science technologies in their research, creating conditions for a sustained increase of the user community coming from A&H and social sciences as well; and (iv) to widen the work started within DC-NET, INDICATE and DCH-RP projects to other A&H communities.

One of the mini-projects of the DARIAH-CC, led by INFN, is SADE (Storing and Accessing DARIAH contents on EGI) whose overall goal is to create a digital repository of DARIAH contents using gLibrary, a framework developed by INFN Catania to create and manage archives of digital assets (data and metadata) on local, Grid and Cloud storage resources.

Datasets for SADE will be provided by the Austrian Academy of Sciences (AAS) and they will relate to >100 years old collection on Bavarian dialects within the Austrian-Hungarian monarchy from the beginnings of German language to nowadays. Several data types will be taken into account: text, multimedia (images, audio files, etc.), URIs as well as primary collection data, interpreted data, secondary background data and geo-data with different license opportunities.

The AAS datasets will be orchestrated by gLibrary and the repositories will be exposed to end-users through two channels: (i) as a (series of) portlet(s) integrated both in one of the already existing Science Gateways implemented with the Catania Science Gateway Framework and in the WS-PGRADE-based Science Gateway that will developed by the lighthouse project of the CC, and (ii) as native apps for mobile appliances based on Android and iOS operating systems and downloadable from the official App Stores. The mobile apps will be coded using a cross-platform development environment so that other mobile operating systems could be supported, if needed. Furthermore, the apps could exploit geo-localisation services available on smartphones and tablets to find "near"contents.

In order to fulfill SADE requirements, the gLibrary framework is currently being completely re-engineered in order to get rid of its dependence from the AMGA metadata catalogue and in this contribution to the EGI Community Forum the new version of the platform (i.e., gLibrary 2.0) as well the status and results of the SADE mini-project will presented.

Primary authors: CALANDUCCI, Antonio (Consorzio COMETA and INFN Catania); DI MARIANO, Antonio (University of Catania); WANDL-VOGT, Eveline (Austrian Academy of Sciences); DONVITO, Giacinto (INFN Bari); LA ROCCA, Giuseppe (INFN Catania); MAGGI, Marcello (INFN Bari); BARBERA, Roberto (University of Catania and INFN)

Presenter: LA ROCCA, Giuseppe (INFN Catania)

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