



Ruđer Bošković Institute
Centre for Informatics and Computing

H2020: EOSC HUB WP7,11,13
CoE: DataCROSS
Conference: Data and Life Sci +DC

Karolj Skala

PLAN E meeting

Paris ~~EU~~ March 2017



EOSC HUB DARIAH CC:

A pan-European infrastructure for Arts and Humanities

❑ Rudjer Boskovic Institute (RBI)

Ruder Boskovic Institute (RBI), founded in 1950, is the largest and most renowned scientific institution in Croatia regarding the fields of natural and technical sciences, participating also in science applications and higher education. Today, the Institute has over 550 scientists and researchers in more than 80 laboratories spread over 11 divisions and 3 centres.

❑ Magyar Tudomanyos Akademia Szamitastechnikai es Automatizalasi Kutatointezet (SZTAKI)

MTA SZTAKI is one of the largest IT research institutes in the Central European region with 250+ employees. the institute plays a key role in Grid and Cloud computing related research, development, and training as the founding member of the Hungarian Grid Competence Centre (2003), the International Desktop Grid Federation (2010) as well as the Coregrid (2004-2008) and the SCUBE (2008-2012) European Networks of Excellence.

❑ Gesellschaft für wissenschaftliche Datenverarbeitung mbH ((GWDG))

Cloud-installations, data services including large-scale storage, archiving, and long-term research data maintenance. Serving as a competence centre, the GWDG advises and supports institutes regarding all questions concerning scientific data processing. Furthermore, the GWDG pursues scientific research for eScience infrastructures, which includes topics in parallel computing, Grids, Clouds, Internet of Services,



DARIAH Gateway Services

A pan-European infrastructure for Arts and Humanities

Cloud Access:

Single-job applications and parameter-sweep applications can be run on the DARIAH VO clouds without porting efforts. Authentication is required to access the gateway service and then robot certificate provides access to the cloud.

Workflow Development:

Complex workflow applications can be developed and run on all the resources of the DARIAH VO.

File transfer:

Enables transferring data from, to and between storage services providing HTTP, HTTPS, SFTP, GSIFTP, SRM, iRODS and S3 protocols.



DARIAH TS

- ❑ Service Category: Thematic Services
- ❑ Installations: The DARIAH Science Gateway offers cloud-based services and applications to the humanities research communities.
- ❑ Modality of access (Duration): The arts and humanities researchers can freely use any of the gateway services. (M01-M36)
- ❑ Support offered: The training material (presentations, demos, and training videos) on how to access and exploit core DARIAH CC services will be prepared. Training events (workshops and hackathons) will take place at major DARIAH and other relevant DAH events and conferences.



The gateway applications:

Simple Semantic Search Engine (SSE):

Allows users to search in the e-Infrastructure Knowledge Base (Open Access Document Repositories and Data Repositories).

No authentication is required to access the service.

Parallel Semantic Search Engine (PSSE):

PSSE is a parallelised version of SSE enabling simultaneously search across the e-Infrastructure Knowledge Base, Europeana, [Cultura Italia](#), [Isidore](#), [OpenAgris](#), [PubMed](#) and [DBpedia](#) platforms.

No authentication is required to access the service.

DBO@Cloud:

A Cloud-based repository presenting 100+ years old collection of Bavarian dialects.

No authentication is required to access the service



Center of Excellence DATACROSS

□ Center of Excellence for Data Science and Cooperative Systems is the first national research center in the area of technical sciences in Croatia. The center comprises 13 distinguished higher education and research institutions in Croatia. The Center has two research units:

- Research Unit for Data Science
- Research Unit for Cooperative Systems

□ Project team

- The project team consists of more than 80 distinguished researchers who are active in the various areas of data science.



MIPRO Conference

- Annuale Conference Data and Life Science based on Distributed Computing, MIPRO Conference, 23. and 25. May 2018, Opatija Adriatic coast,
 - <http://www.mipro.hr/Events/tabid/110/language/en-US/Default.aspx?event=MIPRO2018.DS-DC>