

The Bridge of Data

BUILDING A BRIDGE IN A „VACUUM” – CHALLENGES AND OPPORTUNITIES

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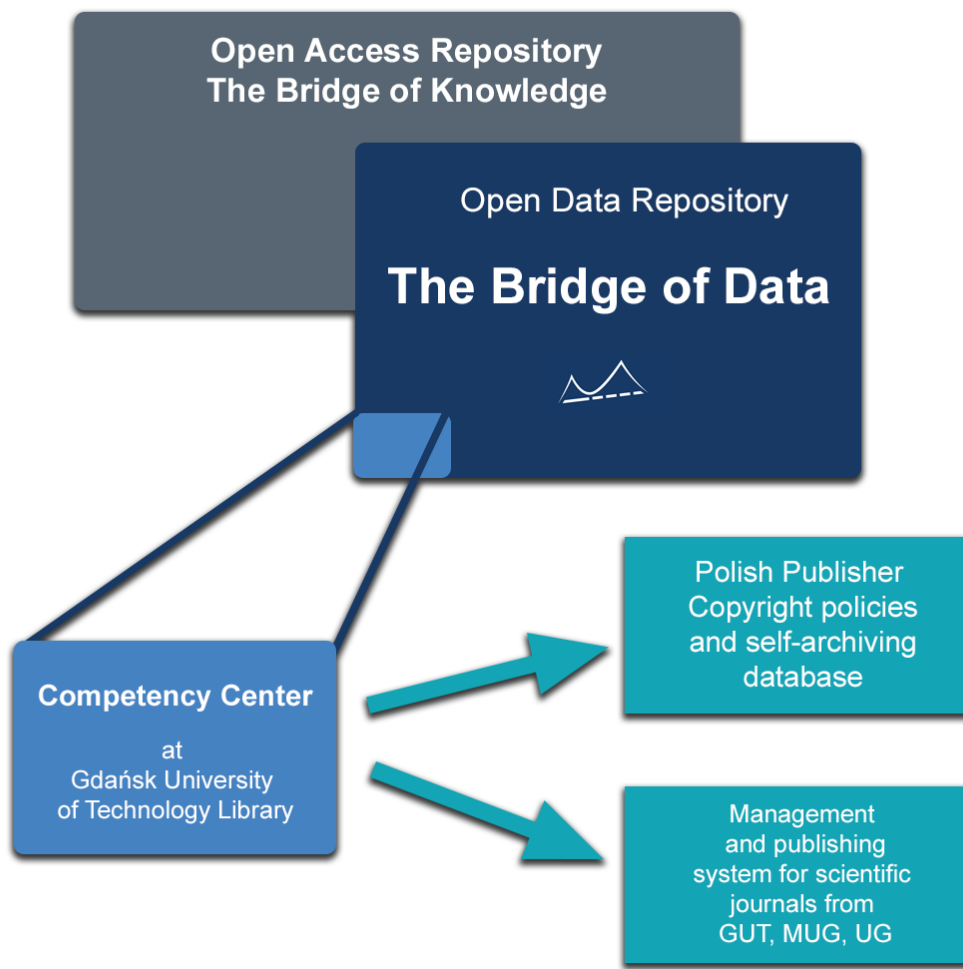


European Union
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The Bridge of Data project

- The Bridge of Data project was launched at Gdansk University of Technology (GUT) in October 2018
- GUT is the leader of the project and the project partners are the University of Gdansk and Gdansk Medical University
- The Bridge of Data project is the continuum and built upon the previous project called the Bridge of Knowledge that was foremost concentrated on Open Access

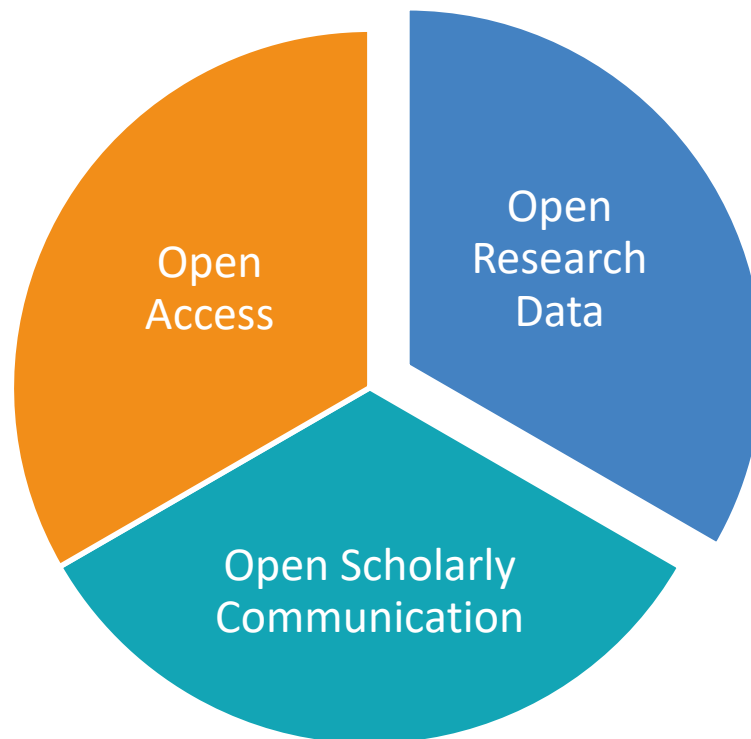


Open Data repository:

- Collect and store datasets from GUT, GUM and UG
- Indexing datasets in Google Data and other services
- Two metadata levels: DDI (first level) and discipline specific (second level e.g. INSPIRE)
- Technological innovations such as hosting the project on the private computing cloud and storing the data on the Ceph Object Storage.
- Searching the data will be available through open text search due to implementing the NoSQL database – ElasticSearch.
- Repository will allow researchers to perform Big Data Analysis by the Apache Zeppelin GUI on the supercomputer Tryton (40.000 cores, 1,5 PFLOPS).

Competency Center:

Open Science support: Open Access, Open Scholarly Communication and Open Research Data



Competency Center:

- Assistance and on-site tailoring training among researchers from all scientific disciplines that include Data Management Plan, open licensing or metadata standards
- Workshops regarding different aspects of Open Science as well as scholarly communication
- InfoKit regarding Open Research Data (available soon)
- Metadata support
- Journals & Conference Proceedings indexing and publishing support
- Evaluation & Bibliometric support

Polish Publisher Copyright Policies and self-archiving database

- At the moment group of several librarians from GUT are analyzing and collecting data
- Service will be dedicated for researchers, librarians, information specialists and publishers
- Our database will be integrated with our domestic service (Moja PG) that aggregates information about GUT scientific output
- Open Access Monographs Policies analyze

Management and Publishing System for Scientific Journals from GUT, GUM and UG

- Platform and services that will support publishing process
- Comprehensive indexing
- Workshops and training regarding Open Access models, publishing, evaluation, peer-review and copyright
- Support for dedicated media and social networks promotion

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Thank you