

Data journey through the DARIAH-PL e-infrastructure



DARIAH.LAB: INTERDISCIPLINARY **COLLABORATION OF HUMANITIES AND TECHNOLOGY**



Authors: MARTA BŁASZCZYŃSKA (IBL**, 1) MAŁGORZATA GUZIK (PSNC*)

TOMASZ HOFFMANN, PhD (PSNC*, ²) TOMASZ UMERLE, PhD (IBL**, 3) **IRENEUSZ BLOCH (PSNC*)**

Affiliations

* Poznan Supercomputing and Networking Center affiliated to the Institute of Bioorganic Chemistry of the Polish Academy of Sciences, Z. Noskowskiego 12/14, 61-704 Poznan

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- ** The Institute of Literary Research of the Polish Academy of Sciences, Nowy Świat 72, 00-330 Warsaw
- ¹ marta.blaszczynska@ibl.waw.pl ² tomhof@man.poznan.pl ³ tomasz.umerle@ibl.waw.pl

Dariah.lab is a large scale infrastructure built for digital arts and humanities in Poland by members of the DARIAH-PL consortium. Its objective is to support data acquisition, storage and integration of research data of various forms and provenances, and to enable data processing, visualization and access to digital assets.

The project is funded under the Smart Growth Operational Programme in the area "Development of modern research infrastructure of the science sector". One of the project's laboratories, Supervised Semantic Discovery Laboratory, consists of 5 main areas:

Laboratory

Supervised Semantic Discovery Laboratory

03

04

(01)

(02)

03

(04)

(05)

Intelligent Analysis and Interpretation Laboratory



05 Advanced Visualization Laboratory

- DATA AGGREGATORS AND NORMALIZERS
- **DATA ENRICHMENT, LINKING, RECONCILIATION**
- DATA MAPPING AND CONVERSION

THESAURI, ONTOLOGIES, DICTIONARIES HARMONISATION

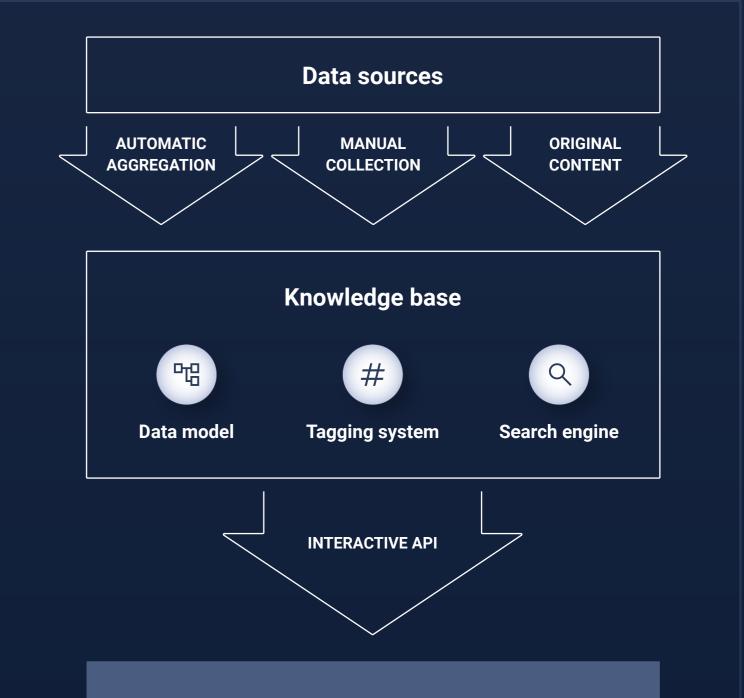
A KNOWLEDGE EXCHANGE PLATFORM

Dariah Inspire is a web platform to support the exploration and exchange of knowledge in the digital humanities.

Written and multimedia content for Inspire's Knowledge Base (summaries, critiques, case studies, data descriptions) will be created through:

- Automatic aggregation from existing websites, with a selection process
- Manual collection from the academic community
- Original content creation by the editorial team

The system of curated tags will allow everyone to conduct specific searches and for registered users to personalise the content displayed.



Dariah Inspire

Data is created, assigned a unique identifier, given a description, and stored in a repository.

Data is transformed into machine readable form. Both data and its metadata are enriched through annotation, transliteration and translation.

Data is consolidated through normalization, standardization, and semantic unification. Semantic relations among data are discovered with Linked Data techniques, online thesauri and vocabularies, and related ontologies.

Data undergoes multi-criteria analysis, modelling and interpretation with algorithms dedicated to the arts and humanities.

Data, its semantic relations and analysis results are visualized with large format high-resolution HDR, modular 2D and 3D visualization and spatio-temporal (GIS) visualization systems.

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PEOPLE

Profiles of researchers and other users interested in sharing their work and/or starting collaboration on digital projects

PROJECTS

The first ever collection of digital humanities projects performed in Poland or involving Polish partners

TOOLS

Descriptions of tools useful for humanists working digitally with ratings and opinions from users

KNOWLEDGE BASE

An online space for articles, multimedia, case studies

ADVERTISEMENTS

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INSTITUTIONS

A landscape of Polish institutions with humanities teams applying digital tools and methods





