

# CLARIAH-DE Work Package 4

## Technical Integration and Coordination of Technical Developments



### GOALS

The processing of data in Humanities research and related disciplines is as multifaceted as the possible research questions. With CLARIAH-DE, a wide range of tools is made accessible, which can be applied to a variety of such research questions. A few key facts:

- Finding and using research data.
- Enhancement of user experience with regard to the individual components of and the research infrastructure CLARIAH-DE as such.
- Enhancement of accessibility to the distributed resources and services.



WP 4 Participants

The work package has always considered possible trade-offs between technical harmonisation and scientifically induced user requirements and reflected upon this nexus in several publications (see publication box on this poster).

### CROSS-SECTIONAL WORK APPROACH

CLARIAH-DE is the merger of the research infrastructures CLARIN-D and DARIAH-DE and it is only consequently for work package 4 to apply a cross-sectional work approach to its topics:

- Close cooperation with the other CLARIAH-DE work packages.
- Exchange with other research infrastructures such as CLARIN ERIC, DARIAH ERIC and the Social Sciences and Humanities Open Cloud (SSHOC) as well as the European Open Science Cloud (EOSC).
- Better integration of services with one another, e.g. integration of the CLARIN Switchboard in the TextGrid Repository or the inclusion of the DARIAH-DE GeoBrowser in the CLARIN Switchboard.

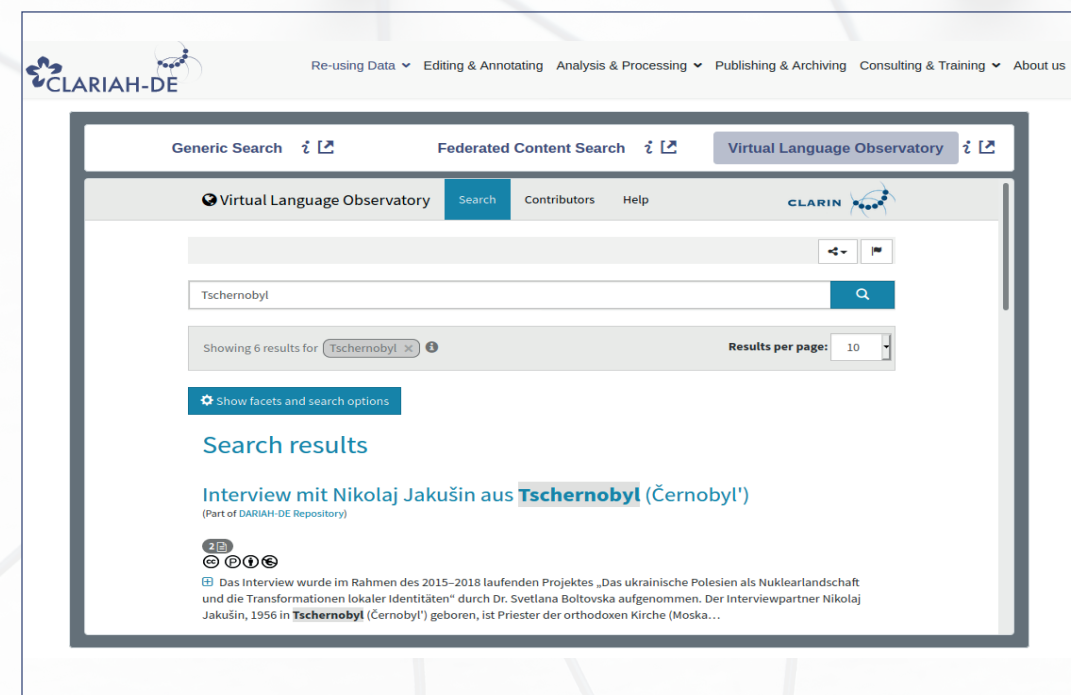


Selection of Cooperation and Exchange Partners

### RESEARCH DATA: SEARCH AND FIND

User experience and accessibility of the various distributed scientific resources can be enhanced through technical means. However, the trade-off between user requirements, technical harmonisation, and eventual legacies have to be considered:

- Specific scientific requirements result in specific ways of collecting, describing, and presenting research data.
- Harmonising research data always comes with compromises, e.g. in terms of degrading metadata granularity or search experience.
- Our evaluation of this trade-off resulted in a demonstrator: <https://s.gwdg.de/duD8Wf>

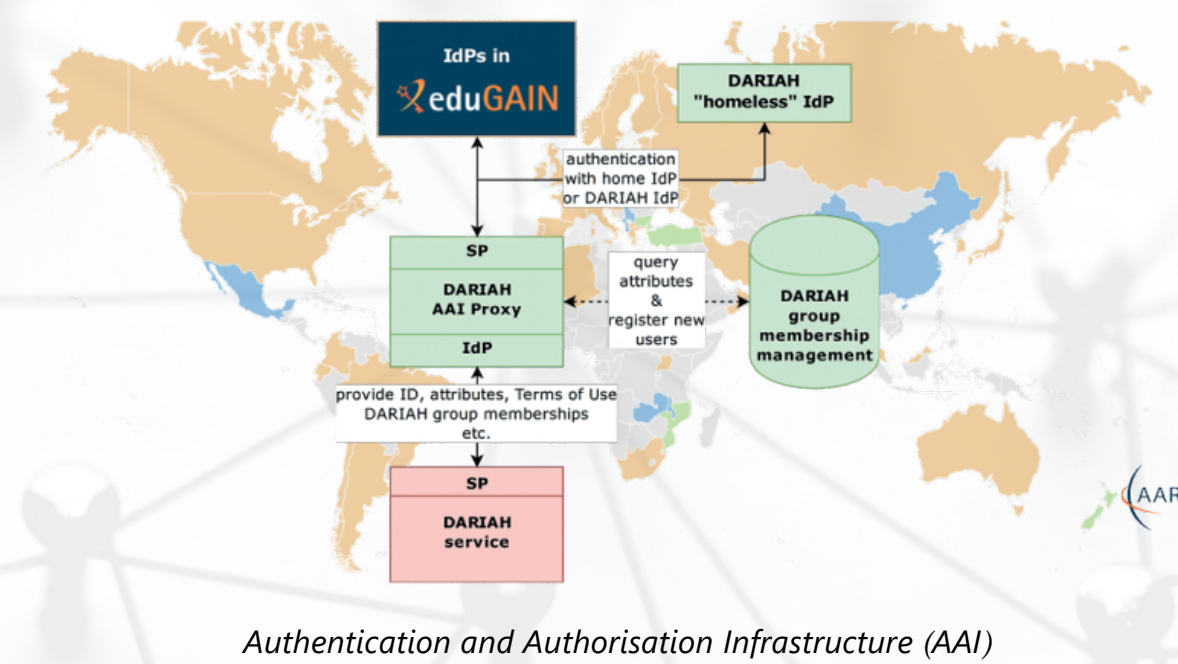


Demonstrator: The CLARIAH-DE Cross-Services Search

The demonstrator fulfils several purposes:

- It promotes the diverse collections and searches of CLARIN and DARIAH.
- It follows the negotiated user requirements for these collections and searches.

Instead of pursuing an integration approach that levels differences at all costs, work package 4 recommends strengthening the existing registries and applications to enhance visibility and accessibility, without losing established fine-grained search capabilities.



Authentication and Authorisation Infrastructure (AAI)

### USER EXPERIENCE AND SUPPORT

As the merger of CLARIN-D and DARIAH-DE, CLARIAH-DE is aware of the established level of trust within the community and their expectations regarding support, accessibility, and information.

Outcomes:

- A central helpdesk, able to cater for a diverse range of user requests. It is available at [support@clariah.de](mailto:support@clariah.de) and via the website.
- Convenient access to a broad range of services and resources due to the Authentication and Authorisation Infrastructure (AAI) federation of CLARIAH-DE which is linked with the eduGAIN AAI federation.
- A central monitoring system of the services and infrastructural components contributes to the reliability and performance of the research infrastructure.
- Best practice documents and manuals as well as extensive analyses of recent technological trends are provided to support various research activities and decision-making.

### SELECTED PUBLICATIONS OF WORK PACKAGE 4

Arnold, Denis et al. (2020): Repository Solutions - Technology Watch Report 1. Zenodo. <http://doi.org/10.5281/zenodo.3873027>

Buddenbohm, Stefan / Eckart, Thomas (2020): Persistent Identifiers in CLARIAH-DE Summary & Best Practices. Zenodo. <http://doi.org/10.5281/zenodo.3744091>

Buddenbohm, Stefan (2020): CLARIAH-DE - Aligning two Research Infrastructures: Experiences and Challenges. Presented at the Scholarly Primitives - DARIAH Annual Event 2020, Zagreb, Croatia: Zenodo. <http://doi.org/10.5281/zenodo.4266478>

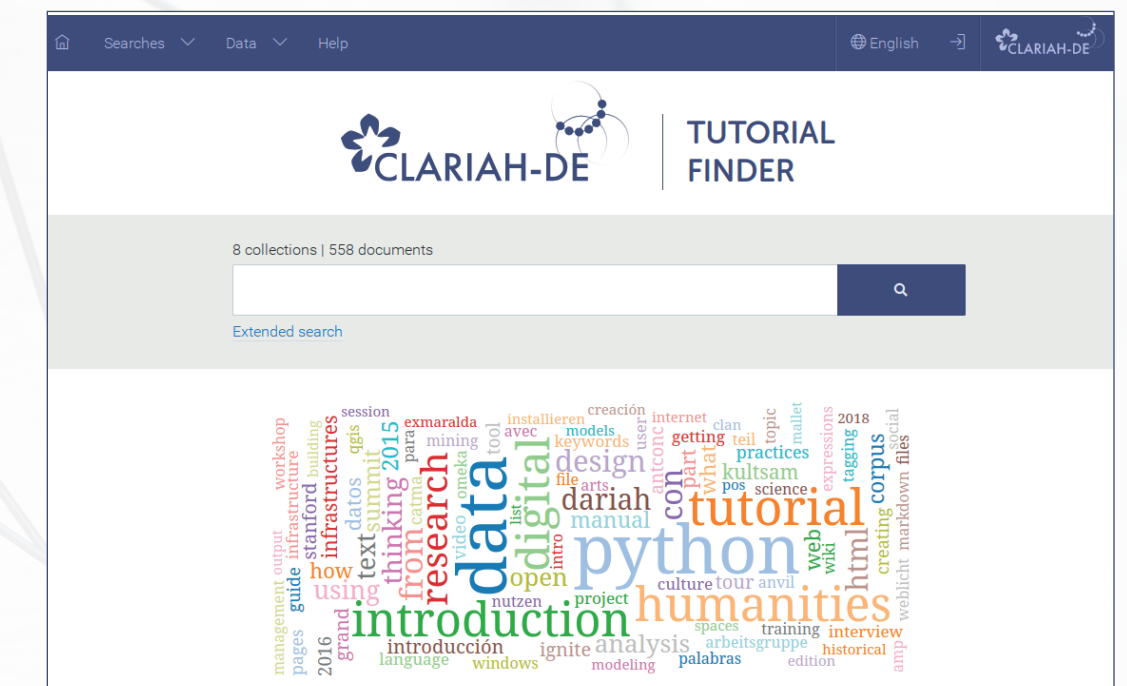
### TUTORIAL FINDER

The Tutorial Finder provides a centralised search for freely available teaching and training materials on research tools, methods, and approaches in the Humanities and related scientific disciplines.

Outcomes:

- Demonstration of DARIAH Generic Search integration in various application contexts, such as YouTube or DARIAH Campus.
- Merge of teaching and learning materials from CLARIN-D and DARIAH-DE.
- Transfer of skills by combining existing teaching and training materials from diverse platforms, repositories, and collections in a central application.

The Tutorial Finder is targeted at students, teachers, researchers, and the general public.



The CLARIAH-DE Tutorial Finder

