

DARIAH-DE

Digital Research Infrastructure for the Arts and Humanities

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Federal Ministry
of Education
and Research

Funding reference number
01UG1610 A to J

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Research & Development Department
Göttingen State and University Library



DARIAH-DE

Digital Research Infrastructure
for the Arts and Humanities



ENTRY



CONSULTATION &
SUPPORT



RESEARCH DATA



GEO-BROWSER



REPOSITORY



PARTNER PROJECTS

DARIAH-DE – brief overview

- One of 17 members of DARIAH-EU
- Funded by the German Federal Ministry of Education and Research (BMBF)
 - Preliminary phase: 2008 – 2011
 - Development phase: 2011 – 2016
 - Operating phase: 2016-2019
 - Fusion with CLARIN-D → CLARIAH-DE: 2019-2021
- DARIAH-DE Cooperation 2019-21
- Used by 80 projects and more than 4.000 scholars

DARIAH-DE Partner

GEFÖRDERT VOM



Bundesministerium
für Bildung
und Forschung

Förderkennzeichen
01UG1610 A bis J



Akademie
der Wissenschaften
und der Literatur
Mainz



Herzog August Bibliothek Wolfenbüttel



berlin-brandenburgische
AKADEMIE DER WISSENSCHAFTEN



TECHNISCHE
UNIVERSITÄT
DARMSTADT



INSTITUT FÜR
EUROPÄISCHE
GESCHICHTE

Max Weber
Stiftung

Deutsche
Geisteswissenschaftliche
Institute im Ausland



DARIAH-DE – Objectives

Digital transformation changes research in the Arts and Humanities fundamentally. This concerns:

- Research methods → getting more and more digital
- Research data → are increasingly digital
- Scholars need new abilities
→ changes of curricula and staffing at universities
- Change of theoretical approaches
→ must be adapted and modified
- Change in research practices
→ more interdisciplinary and collaborative

DARIAH-DE – Mission

Digital transformation and the resulting permanent changes in the Arts and Humanities, can only be solved and realized collectively, interdisciplinary and collaboratively.

In order to support this process and to enable it throughout Germany, DARIAH-DE was founded: to pool competences and skills, to pursue actively research in this area and, above all, to build up a digital research infrastructure on the basis of research requirements by the communities.

DARIAH-EU Working Groups

DARIAH-DE Engagement

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REPOSITORY



PARTNER PROJECTS

Defining cloud infrastructure services for DH

Chairs:

- Eveline Wandl-Vogt (DARIAH-AT), René van Horik (DARIAH-NL), Tibor Kàlman (DARIAH-DE)

Aim:

- minimize the gap between the needs of Arts and Humanities research and the cloud- and grid services as offered by different providers

Activities:

- collecting and analysing requirements (using surveys, interviews),
- promoting existing services and opportunities (by providing demonstrators and by providing guidance and training)
- liaising (by discussing conditions / guidelines for DARIAH)

Federated Identity Management for DARIAH (FIM4D)

Chairs:

- Peter Gietz (DARIAH-DE), Lars Wieneke (DARIAH-LU)

Aims:

- Dissemination of the DARIAH AAI
- pilots to integrate services from different DARIAH countries

Activities/Challenges:

- Better integration of the campus Identity Provider
- Better consistency in the usage of Attributes
- Better transparency of the levels of trust
- Interoperability with other AAI infrastructures in Arts, humanities and social sciences

Text and Data Analytics

Chairs:

- Fotis Jannidis (DARIAH-DE), Mike Kestemont (DARIAH-BE)

Aims:

- developing and demonstrating methodologies for applying the state of the art in NLP to Humanities research questions

Activities:

- provide guides to specific best practice
- inventory successful applications of prominent tools
- demonstrate specific examples of services which can be used in Digital Humanities scholarship

Impact factors and success criteria

Chair: Juliane Stiller (DARIAH-DE)

Aims:

- explore the impact of digital research infrastructures on different areas ranging from research practices to societal implications

Activities:

- measure impact of the work of DARIAH and its affiliated projects in the Digital Humanities domain and beyond.
- Collect and analyse qualitative and quantitative impact measures and key performance indicators for Digital Humanities, focusing on the implications for humanities, the research process and society
- **Link:** Impactomatrix on impact areas, influencing factors and criteria to measure change: <https://dariah-de.github.io/Impactomatrix/>

DARIAH-DE

Activities, Tools & Services

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RESEARCH DATA



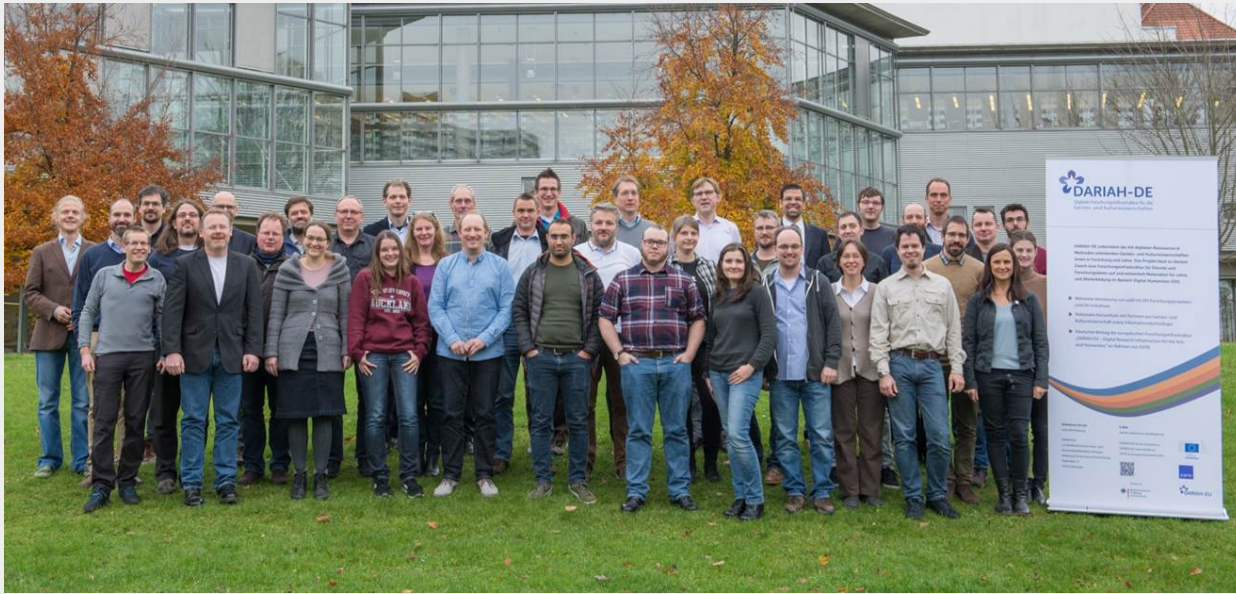
GEO-BROWSER



REPOSITORY



PARTNER PROJECTS



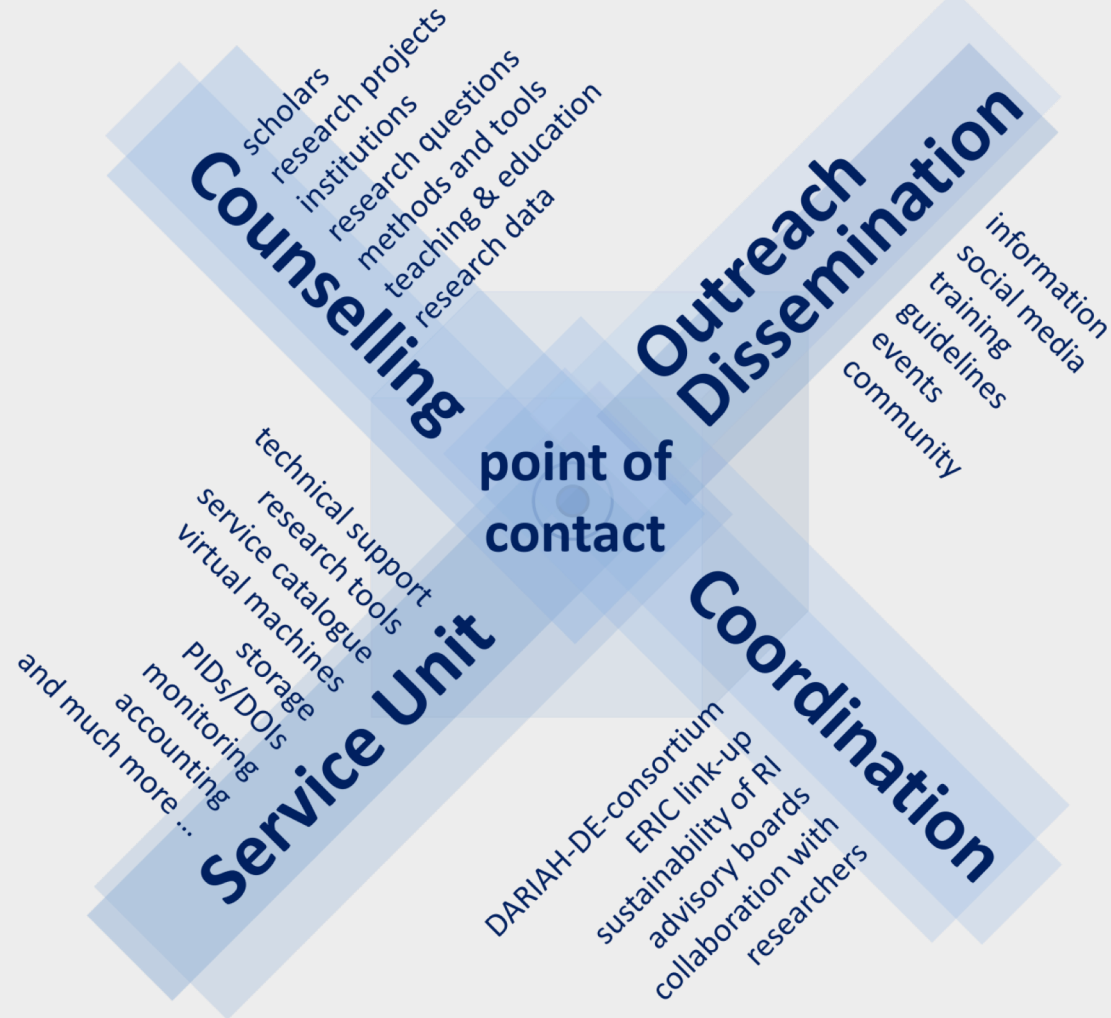
By the community
For the community



Architecture of
participation



DARIAH-DE Coordination Office



DARIAH-DE – four main tasks

TEACHING

- Workshops on methods, expert colloquia, Summer Schools
- Coordination of national and international curricular developments

RESEARCH

- DH methods and practices
- Use Cases: Annotation, Big Data
- Tools and services
- Bibliography Doing Digital Humanities

RESEARCH DATA

- Best practices for metadata, standardised exchange of data, ontologies
- Development of generic search, collection and schema registry, repository

TECHNICAL INFRASTRUCTURE

- collaborative research environments
- virtual machines
- Monitoring
- authentication and authorization infrastructure etc.

Teaching and Community



DHdBlog
Digital Humanities im deutschsprachigen Raum

Blog Über uns Redaktion Impressum

DARIAH-DE – Forschen mit digitalen Diensten und Werkzeugen für alle Geistes- und Kulturwissenschaftler

Veröffentlicht von Claudio Lorenz am 13. Februar 2018

Einstieg

Im Zuge der Digitalisierung von Wirtschaft, Gesellschaft und Wissenschaft gewinnen auch die Digital Humanities zunehmend an Bedeutung. Die stark anwachsende Verfügbarkeit digitaler Daten für die Forschung trägt dazu bei, das Interesse an den Methoden und Werkzeugen dieser vergleichsweise jungen Disziplin zu wecken.

Einstiegsfragen in der Digital Humanities stellen sich häufig die Fragen: Was sind die Digital Humanities, welche Forschungsfragen lassen sich mit den Mitteln der Digital Humanities bearbeiten, welche Werkzeuge sind für bestimmte Fragestellungen in unterschiedlichen Fachdisziplinen geeignet, wie ist mit digitalen Forschungsdaten zu verfahren im Hinblick auf Ihre Aufbereitung, Speicherung, Veröffentlichung, Zitierbarkeit und Nutzbarkeit?

Annotation Berlin
Papers CLARIN CLARIN-D
DARIAH DARIAH-EU
DARIAH-EU Darmstadt
DH-Rundgang DH-
Videos DHd-Kanal
Digitale Edition
Digitale Humanities
Digitalisierung von
Forschungsdaten
Forschungsdatenmanagement
Geschichte
Geschichtswissenschaft
Graz
Göttingen
id4o Konferenz
Kunsthistorie
Langzeitarchivierung
Lehrn Leitig
Mater Nachhaltigkeit
NutzerInnen
Open Access
Stellenausschreibung
Summer School TEI
TELOTA
TextGrid
Virtuelle
Forschungsumgebung
Wien
Workshop
Wurzburg XML
ZIM
Österreich

Technical Infrastructure


LOGIN

Log in to DARIAH Wiki

Name

→ Contact
→ Request an Account
→ Edit your User Data
→ Forgot your Password?
→ DARIAH-DE Portal

Password


Digital Research Infrastructure for the Arts and Humanities

Attention: Please do not bookmark this page. We would like to ask you to bookmark the page of the service you would like to use instead. Your login might fail otherwise.

Achtung: Bitte setzen Sie kein Lesesezeichen auf diese Seite, sondern bookmarken Sie die Seite des Services, den Sie nutzen wollen. Andernfalls kann es zu Problemen beim Login kommen.

Digital Research Infrastructure for the Arts and Humanities.



B I U S [Rich text editor toolbar]

```
1 ### header
2 Welcome to Etherpad Lite!
3 This pad text is synchronized as you type, so that everyone viewing this page sees
4 the same text. This allows you to collaborate seamlessly on documents!
5
6 Etherpad Lite on Github: http://i.mp/ep-lite
7
8 Hum is anyone there? Yes, There is! Well this looks good. anyone else here?
9 Wow this is a really nice pad!
10 trying the service so, how good is this? seems nice..!
11 lalalalalalal This has great influence on people!
12
13 We're massively grateful for your support
14 lalalalala la !!
15 as this is no more of any importance,
16 we could acutally remove it.
```

Chat [0]

OTRS 4 Free

Übersicht Kunden Tickets Statistiken Admin

Ticket#201602114200055 – New Email

Zurück | Sperren | Historie | Drucken | Priorität | Freie Felder | Verknüpfen | Besitzer | Kunde | Notiz | Ausgehender Telefonanruf | Eingehender Telefonanruf |
Ausgehende E-Mail | Zusammenfassen | Warten | Schließen | - Verschieben -

Artikelübersicht - 3 Beitrag/Beiträge

NR.	TYP	VON	BETREFF	ERSTELLT
3	Kunde – E-Mail extern	DARIAH-DE Helpdesk	New Email	15.02.2016 12:10
2	Agent – E-Mail extern	DARIAH-DE Helpdesk	New Email	15.02.2016 12:05
1	Kunde – E-Mail extern	Maria... 1. Auftragsanfrage	New Email	11.02.2016 20:30

Artikel #3 – New Email

Erstellt: 15.02.2016 12:10

Drucken | Teilen | Umlenken | Weiterleiten | - Antworten -

Von: DARIAH-DE Helpdesk
An: Maria... 1. Auftragsanfrage
Cc: register@dariah.eu
Betreff: New Email

Dear Ms ...

Ticket-Informationen

Alter: 4 d 20 h
Erstellt: 11.02.2016 20:30
Status: offen
Sperrung: frei
Priorität: 3 normal
Queue: Registrierungsanfragen
Kundennummer: [Progress bar]
Erfasste Zeit: 0
Besitzer: [Progress bar]

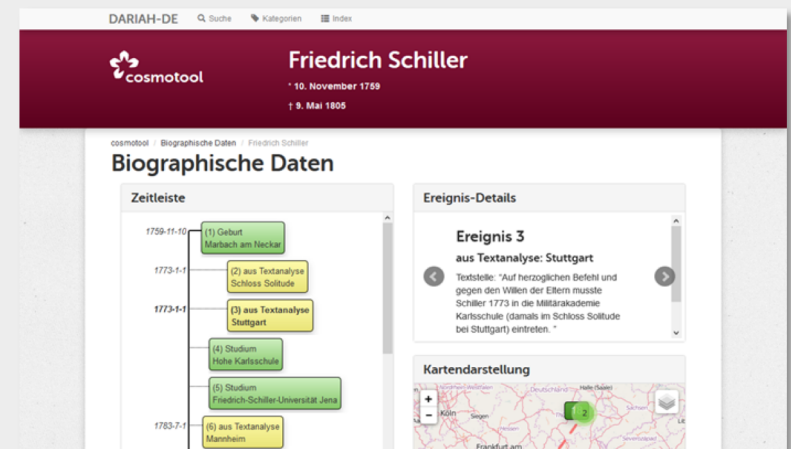
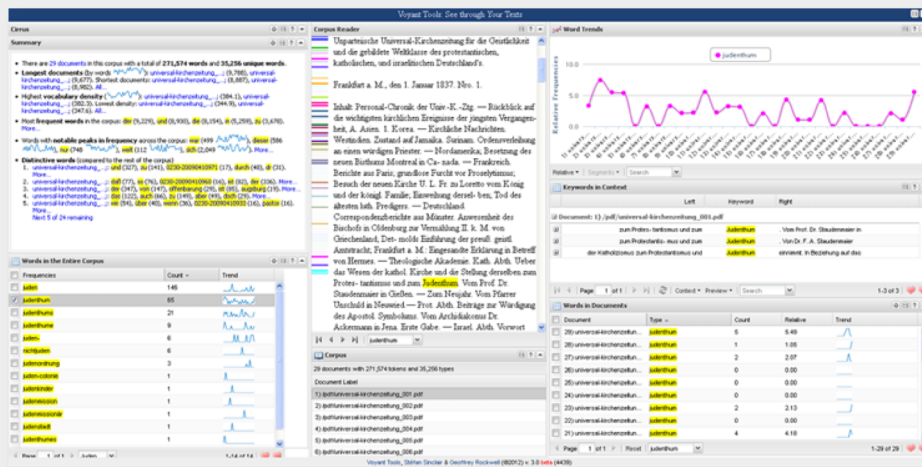
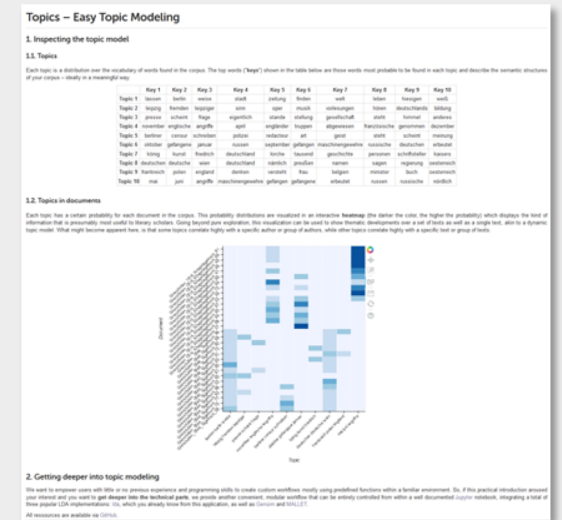
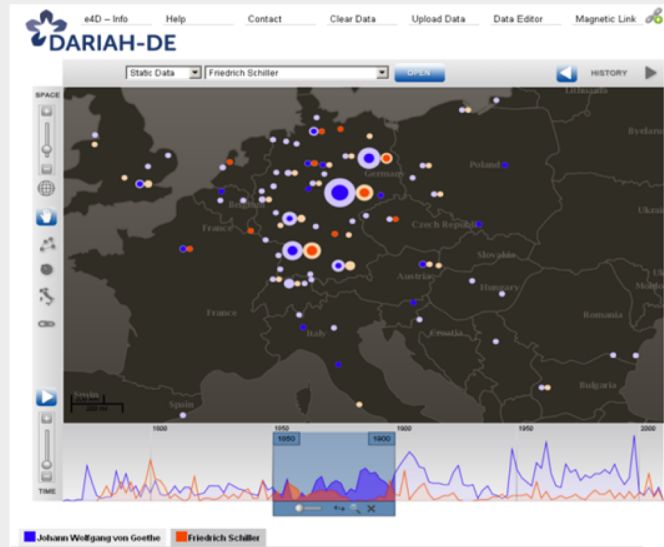
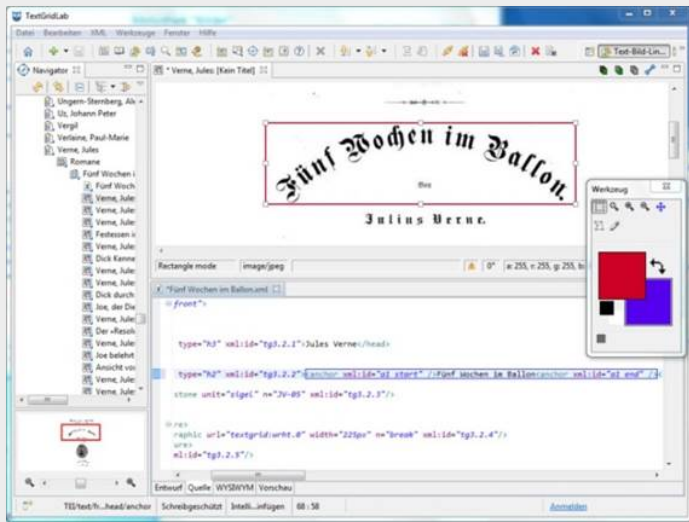
Kundeninformation

keine

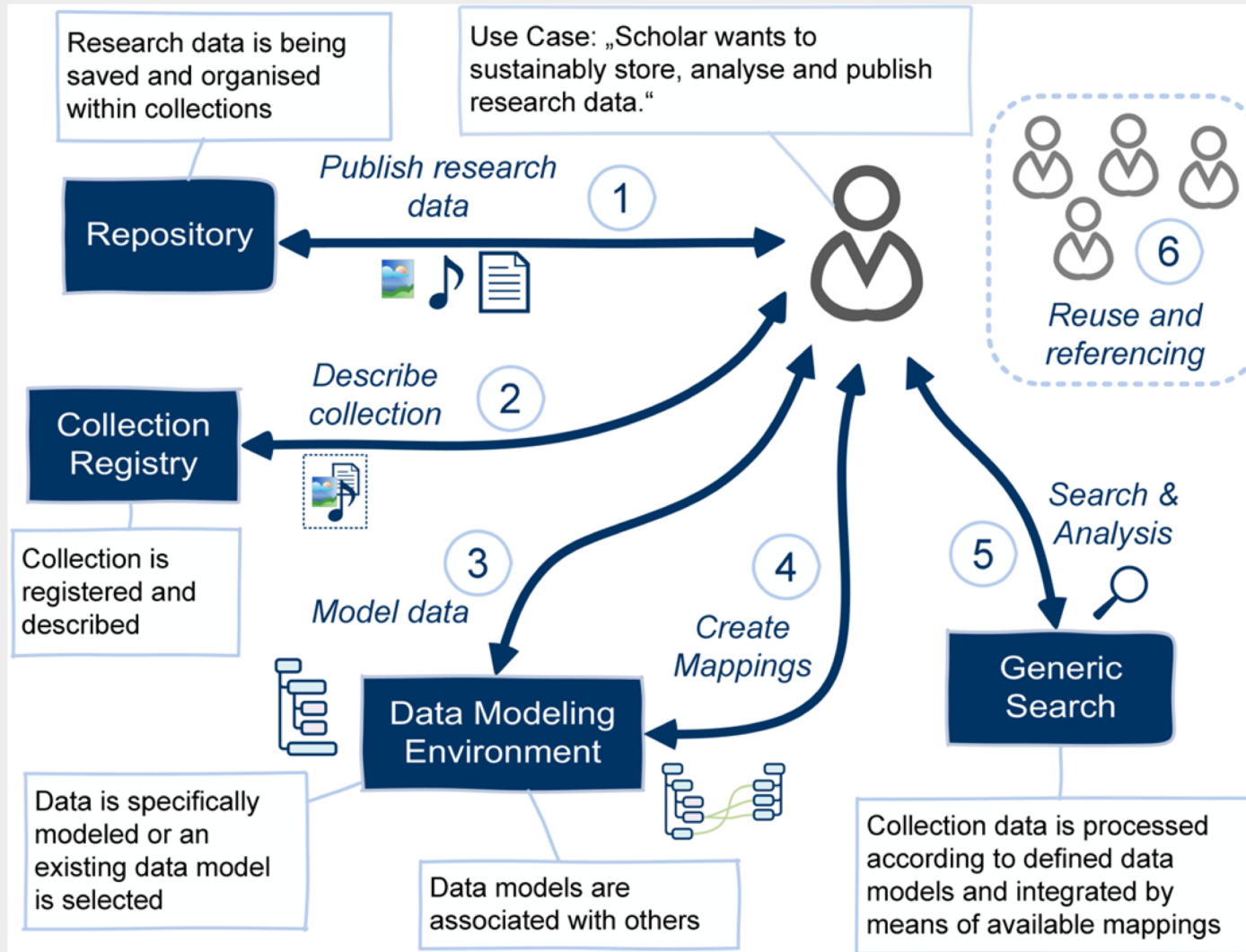
Verknüpfte Objekte

keine

Research – Scholarly Tools



Data Federation Architecture



Research Data – Arts and Humanities

Definition Research Data

By research data in the Arts and Humanities is meant all those sources and outputs that are **based on a research question**, collected either by scholars, libraries, archives or any other institution, which may be described, evaluated and/or generated and stored in **machine-readable form** for **analyzing, archiving** purposes, **citability**, and for further **processing**.

Research Data – Arts and Humanities I

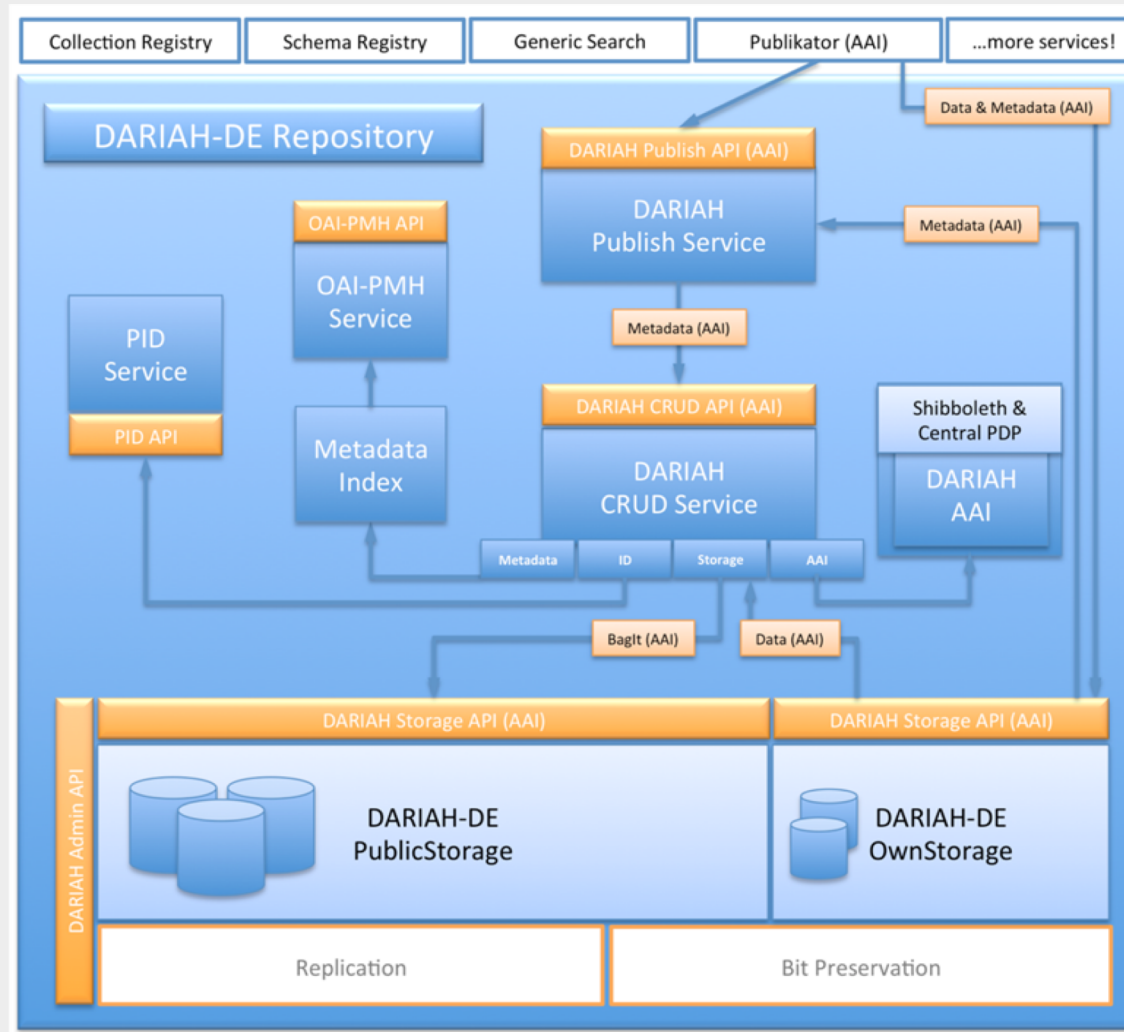
Research data in the arts and humanities are:

All sources and outputs which are **based on a research question, collected** either by scholars, libraries, archives, or any other institution and which may be **described, evaluated** and/or **generated**, and **stored** in **machine-readable** form for analyzing, archiving purposes, citability, and for further processing.

Research Data – Arts and Humanities II

- Metadata, bibliographical data, finding aids
- Digital and/or digitized data and/or digital representation of analog data
- Digital objects
- Full text, transcripts
- Enriched full text
- Images, movies, music & notes
- Authority files, controlled vocabularies, ontologies
- etc.

DARIAH-DE Repository



DARIAH-DE Publikator: data capturing

DARIAH-DE Publikator Help ▾

English Beata Mache ↵ DARIAH ▾

French

Dutch

Polish

German

English

DARIAH-DE Publikator: Edit Collection

On this page you can edit your chosen collection. Please **add files** from your disc drive and add metadata to your collection and files. As metadata is used to describe your collection and files, the Dublin Core will be used, to provide a minimal standard and a certain flexibility for different research data formats. For that reason only few of the metadata fields are mandatory. Please note: the more metadata you add to your collection and files, the bigger the chance that your data (and of course metadata) is found and re-used by other researchers and can be put into the research data life cycle again.

– Manage Content and Edit Metadata

← to main view create subcollection

show optional metadata

Drop files to this field to upload or click to add files.

* Title – Please provide mandatory metadata ⓘ + ↓

* Creator – Please provide mandatory metadata ⓘ + ↓

* Rights – Please provide mandatory metadata ⓘ + ↓

Description ⓘ + ↓

Your research data...

- is safely stored in the repository,
- gets a Persistent Identifier (DOI),
- is so permanently referenceable and quotable,
- is publicly accessible,
- can be described in the Collection Registry as a collection and
- is finally searchable in the Generic Search.

This means that your research data is included in the research data lifecycle and thus is available for subsequent use.

Documentation

The screenshot shows a web browser displaying the documentation for the DARIAH-DE Data Federation Architecture. The browser's address bar shows the URL `repository.de.dariah.eu/doc/services/index.html`. The page features a dark sidebar on the left with the DARIAH-DE logo and navigation links. The main content area has a white background with a breadcrumb trail, a search bar, and several sections of documentation.

repository.de.dariah.eu/doc/services/index.html

Suchen

Most Visited Getting Started Launch Hypothesis See-also STI Alle Inhalte - Google... Univ.-Kirch.-Ztg. - ... Meistbesuchte Seiten Erste Schritte Erste Schritte iGoogle

DARIAH-DE Data Federation Architecture

DARIAH-DE
Digital Research Infrastructure
for the Arts and Humanities

2017

Search docs

Collection Registry
DH-crud
DH-publish
DH-oaipmh
Resolving and Persistent Identifiers

Docs » DARIAH-DE Data Federation Architecture [View page source](#)

DARIAH-DE Data Federation Architecture

On this site all the technical stuff and public APIs of the DARIAH-DE Data Federation Architecture are documented, that is of interest for public access, import, dissemination, and resolving.

Registry Services

- [Collection Registry](#)

Repository Services

The DARIAH-DE Repository is a central component of the DARIAH-DE Data Federation Architecture. More information about the DARIAH-DE Repository you can find at the [DARIAH-DE Portal](#). Easy import and publishing features you can find with the [DARIAH-DE Publikator Documentation](#) at the DARIAH-DE Public Wiki.

- [DH-crud](#)
- [DH-publish](#)
- [DH-oaipmh](#)
- [Resolving and Persistent Identifiers](#)

Indices and Tables

- [Index](#)
- [Search Page](#)

DARIAH-DE Collection Registry

The screenshot shows a web browser window with the URL `demo2.dariah.eu/colreg/collections/56c0666e7c8dec511be4cce3`. The page title is "DARIAH-DE" and the navigation menu includes "Dashboard", "Sammlungen", and "Akteure". The main content area is titled "Sammlungseditor" and contains the following sections:

- Collection Registry**
 - Dashboard
 - Sammlungen (selected)
 - Akteure
- Editor-Optionen**
 - Hinweise einblenden
- Eigenschaften**
 - Obligatorische Beschreibung
 - Beschreibungen
 - Kollektionstyp
 - Rechte an Kollektionsbeschreibung
 - Zugriffsrechte
 - Kontakt und Akteure
 - Homepage
 - E-Mail
 - Sammlungsorte
 - Akteure
 - Inhaltsbezogen
 - Sprachen der Elemente
 - Themen

The main editing area is titled "Obligatorische Beschreibung" and contains the following information:

Beschreibungen

Titel	Acronym	Sprache
Deutsch-jüdische Geschichte	user-djg	deu

Kollektionstyp Präsentationen, Poster, Forschungsdaten ...

Rechte an Kollektionsbeschreibung CC0

Informations:

- Die Felder in diesem Block bilden die minimal notwendigen Eigenschaften der Sammlungsbeschreibung und sind Pflichtfelder. Eine Beschreibung der Sammlung muss in mindestens einer Sprache vorliegen.**
- Contains the basic descriptive elements 'title', 'acronym' and 'description'** Each description set is associated with a specific language allowing multilingual collection descriptions. Please note, that the first entry is considered as primary language for the collection and serves as displayed default.
- The nature or genre of the collection** Use of standard vocabulary required. Provided values will be based on DARIAH-DE suggestions (the keywords provided in this current phase).
- A statement of any rights held in/over the collection description** Provides information concerning the collection description and NOT the items of the collections. A controlled vocabulary will be provided and maintained by DARIAH-DE based on the free-texts currently entered.

DARIAH-DE Generic Search

The screenshot displays the DARIAH-DE Generic Search interface. At the top, there is a navigation bar with 'DARIAH-DE' and links for 'Suche', 'Schema Registry', 'Mapping Registry', and 'Collection Registry'. The main header features the 'Generische Suche' logo and title. The search area includes a search bar with 'Goethe' entered and a 'Facette hinzu' button. Below the search bar, there are tabs for 'Ressourcen' and 'Kollektionen'. The search results are displayed in a list format, showing three items from the 'Bayerisches Digitales Repitorium'. Each item includes a title, a URL, and a 'Keine Vorschau verfügbar' (No preview available) message. The first item is 'De fontibus Dionysii Periegetae', the second is 'Propyläen : eine periodische Schrift / 3 : 3. 1800', and the third is 'Gesänge zu der Oper Claudine von Villa Bella'. On the left side, there are several filter and option panels: 'Erweiterte Optionen' with a 'Datenmodelle' dropdown set to 'oai_dc'; 'Suchoptionen' with a checkbox for 'Erläuterungen anzeigen' and a slider for '20 Ergebnisse je Anfrage'; and 'Durchsuchte Kollektionen' listing various digital repositories and their counts. At the bottom left, there is a 'Suche' section with options for 'Einfache Suche' and 'Erweiterte Suche'.

Data Modeling Environment

DARIAH-DE Schema Registry

Schema Registry Mapping-Editor

Schema Registry / Schemas und Mappings / Mapping-Editor

Quellschema: **oai_dc** Zielschema: **teiHeader (clarin.eu:cr1:p_1381926654438)**

Beispieltransformation

Sitzungen

Sitzung speichern Sitzung laden

Zurücksetzen

Beispieldaten

Input Ergebnisse **Ausführen**

Beispieldaten hier einfügen und die Schaltfläche 'Ausführen' betätigen, um die Transformation zu testen. Derzeit wird nur XML als Eingangsformat interpretiert.

Elementmodell

Diagram showing the mapping between source schema elements (left) and target schema elements (right):

- Source elements: Dc, Title, Creator, Subject, Description, Publisher, Contributor, Date, Type, Format, Identifier, Source, Language, Relation, Coverage, Rights.
- Target elements: CMD, CMDVersion, Header, Resources, Components, TeilHeader, Ref, FileDesc, ComponentId, TitleStm, EditionStm, Extent, PublicationStm, SourceDesc, EncodingDesc, ProfileDesc.

Eigenschaften des Mappings

Mögliche Aktionen

Änderungshistorie

2016-11-24 16:07:50
null
25 18 0

© DARIAH-DE Datenschutz Impressum Kontakt

DARIAH-DE Geo-Browser

A tool for spatio-temporal visualisation

Map(s)

Timeline

Documentation
of data

The screenshot displays the DARIAH-DE Geo-Browser interface. At the top, there are control panels for 'Load Data' (Static Data, Franz Kafka), 'Load Overlay' (KML File URL), and 'Dataset' (Magnetic Link 252352). The main area features a world map with orange circular markers, a 'Background map' selector (Open Street Map), 'Map selector tools', a 'Filter' box, and a 'Publication Place' dropdown (1,046 results). Below the map is a 'Timeline' graph showing data points from 1837/01/01 to 1837/12/01, with a 'Time start' dropdown set to 1837, 'Time unit' set to continuous, and 'Scaling' set to normal. The timeline also includes an 'Animation' control and 'Dated Objects' (1,048 results). At the bottom, a search bar shows '252352' and a table of results with columns for name, place, description, TimeSpan-begin, TimeSpan-end, and GettyID.

name	place	description	TimeSpan-begin	TimeSpan-end	GettyID
<input type="checkbox"/>	Detmold	Detmold			7004442
<input type="checkbox"/>	Frankfurt am Main	Frankfurt am Main			
<input type="checkbox"/>	Jamaica	Jamaica			7005556
<input type="checkbox"/>	Korea	Korea			7000299
<input type="checkbox"/>	Montreal	Montreal			2008956
<input type="checkbox"/>	Münster	Münster			1002616
<input type="checkbox"/>	Oldenburg	Oldenburg			1003813
<input type="checkbox"/>	Paramaribo	Paramaribo			7015387
<input type="checkbox"/>	Paris	Paris			7008038
<input type="checkbox"/>	Alger	Alger			7001114

DARIAH-DE Datasheet Editor

A tool for creation of spatio-temporal datasets

The screenshot shows the DARIAH-DE Datasheet Editor interface. At the top, there is a navigation bar with 'DARIAH-DE', 'Geo-Browser', and 'Datasheet Editor' on the left, and 'Help' and 'Actions' on the right. The main content area is divided into several sections:

- DARIAH-DE Datasheet Editor**: The main title and logo.
- Create or Choose Data**: A section with instructions: "You have no dataset selected. Choose one of the actions, either *create an empty worksheet* or *import existing CSV data* from your harddisk. Creating a new sheet will allow you to fill out the table and enables you to copy'n'paste your data from Excel or Calc. Your data will be saved to the DARIAH-DE Storage and be publicly available to everyone who has access to your data's link. You now can". Below this are two buttons: "create an empty worksheet" and "import a local CSV file". The "import a local CSV file" button is a file selector showing "Durchsuchen..." and "Keine Datei ausgewählt."
- Place Selection**: A section with instructions: "The coordinates automatically added are for the most probable place, you may adjust the places below. ✎ sets all places with this name to the chosen coordinates. 👁 lets you lookup and fine tune the coordinates or set unrecognized places." Below this is a map selection interface.
- Map Selection**: A section with two input fields for "Longitude" and "Latitude", a search input field, and a "Set All" button. Below the inputs is a world map with a zoom control.
- Add Geocoordinates**: A section with text: "Geocoordinates for places could be added with the help of the DARIAH-DE Getty Thesaurus Service." Below this is a button: "Geolocation Completion".
- View Raw Data**: A section with text: "The raw CSV data of this sheet is stored in the DARIAH-DE Storage Service and has the ID **not yet set**." Below this is a button: "View Raw Data".
- Open with Geo-Browser**: A section with text: "The datasheet will be checked for errors and completeness and could be viewed with the DARIAH-DE Geo-Browser." Below this is a button: "Open Geo-Browser".



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Thank you for your attention!

Questions?

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