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DARIAH - Shaping European Digital Research in the Arts and Humanities

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► **To cite this version:**

Laurent Romary. DARIAH - Shaping European Digital Research in the Arts and Humanities. ERIC
DARIAH, l'alliance des humanités et du numérique, Nov 2014, Paris, France. 2014. hal-01084403

HAL Id: hal-01084403

<https://inria.hal.science/hal-01084403>

Submitted on 19 Nov 2014

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Digital Research Infrastructure
for the Arts and Humanities

Laurent Romary

Inria, directeur de recherche

DARIAH, directeur

DARIAH - SHAPING EUROPEAN DIGITAL RESEARCH IN THE ARTS AND HUMANITIES

www.dariah.eu

Understanding ourselves

- Research in the Arts and Humanities is about *finding, observing and analyzing human traces* to help understand how we humans constitute ourselves as individuals and as societies
- A variety of patterns: communicational, emotional, behavioral, metaphysical
- A variety of traces: artifacts, language productions, artistic works, performances, constructions, destructions

Working with digital traces

Documenting:
origin, date,
material

Qualifying:
authorship, research
value, authenticity

16) Berlin, d. 16. 10. 1941.
Wollen das Datum trübsch genau hinschreiben (es ist
der 16. - d. h. die Nacht vom 16. zum 17. Oktober des so-
glorreichen Jahres 1941 - an hents Nacht werden wahr-
scheinlich die ersten von den Berliner „Juden“ nach Polen
abtransportiert): damit diese Ereignischronik auch

Analyzing:
layout, transcription,
names, dates

Communicating:
corpus, rights,
contextualization

Linking traces

16) Berlin, d. 16. 1941. 91.
 Wollen das Datum mit Nachtrag genau hinschreiben (es ist
 der 16. - d. h. die Nacht vom 16. zum 17. Oktober des so-
 g. glorreichen Jahres 1941 - an heute Nacht werden wieder,
 scheinlich die ersten von den Berliner „Juden“ nach Polen
 abtransportiert): damit diese Grenzkontrollen auch

V/164	15. 96	Altstader Rudolf	2.11.40	Altstader	Blü 15/1
	16.	Alt Robert	4.12.05	Lehrer	Yasen 10.15. 7.11. 41
V/539	17. 966	Altmann Elisabeth	18.11.90	Elektrom	Bleichnerweg 18/16 Mittelstraße 44

Liste der "Eingesiedelten"

Archiwum Państwowe w Łodzi, 278, Nr. 1171 (Kopie des USHMM, RG-15.083, Reel 263)

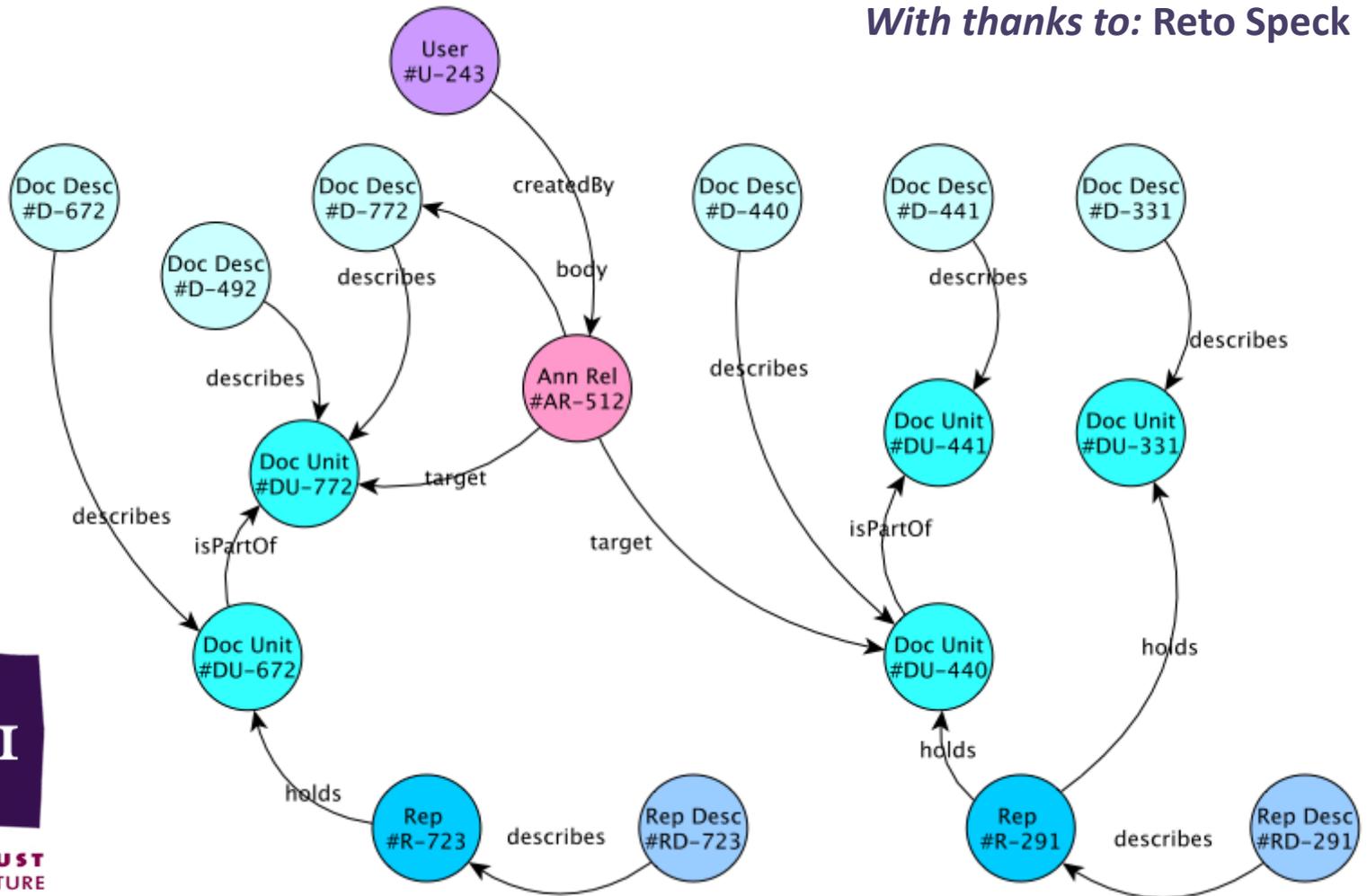
915.	Josef Karl	4. 6. 1929	Schüler
916.	Alt Robert	4. 9. 1905	Lehrer
917.	Orsonudsch Zita	7.11. 1889	ohne

Transportliste Litzmannstadt

Archiwum Państwowe w Łodzi, Przełożony Starszeństwa Żydów w Getcie Łódzkim, Nr. 996 (Kopie des USHMM, RG-15.083, Reel 202)

Integration and presentation of multiple descriptions in the EHRI portal

With thanks to: Reto Speck



Arts and Humanities research in the digital era

- A scattered and heterogeneous landscape
 - Enormous digitization efforts in the public and private sectors
 - A long-standing tradition in humanities computing (digital humanities)
 - Some success stories: Text Encoding Initiative, strong communities (Epigraphy, Medieval studies)
 - Still, a majority of researchers with no real insights about digital sources, methods and publications
 - General issue of preserving digital results from one research project to another
- Ambition: dramatically raising awareness about digital methods in the arts and humanities

Challenges

- Localization and hosting of digital sources
- Documenting and connecting to analog sources
- Environments for managing, exploring and enriching digital material
- Communication of one's own results in the digital world
- Multidisciplinary collaboration with computer science research
- Community acceptance of paradigm changes in a transition period

Which infrastructure?

Enhance and support digitally-enabled research and teaching across the Arts and Humanities

- Providing technological components to work with digital objects
- Training researchers and working with communities
- Providing guidance about standards and best practices

A connected network of tools, information, people and methodologies

- Pulling together national initiatives
- Helping communities to integrate the digital shift

Brief history

- **2006:** DARIAH @ ESFRI Roadmap
- **2008 – 2011:** Preparatory Phase project — *Preparing DARIAH*
- **2011 – 2013:** Transition Phase establishing the DARIAH-ERIC
- **2014-:** DARIAH-ERIC



Founding members

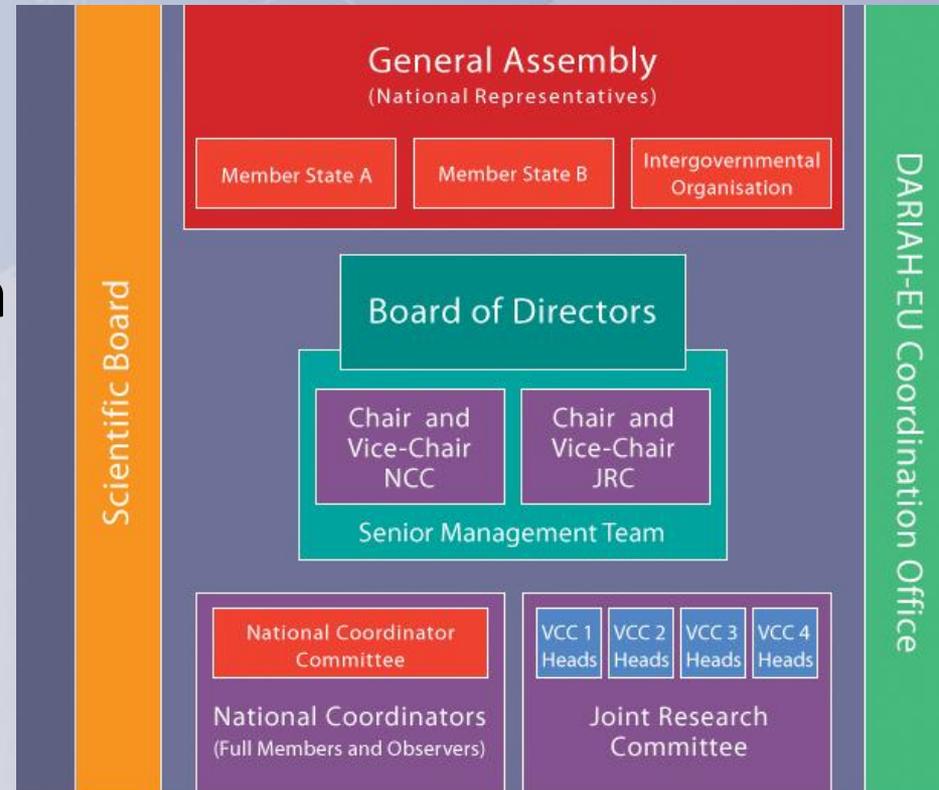
Founding Members	
Austria	
Belgium	
Croatia	
Cyprus	
Denmark	
France	
Germany	
Greece	

Founding Members	
Ireland	
Italy	
Luxembourg	
Malta	
Netherlands	
Serbia	
Slovenia	

Candidate countries and associated members	
Lithuania	
Poland	
Portugal	
Spain	
Switzerland	

Organisational Framework

- A model based upon national contributions
- Expertise, technologies, capacity as well as research communities are spread across DARIAH members
 - DARIAH services as a coordination of national capacities





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for the Arts and Humanities

The DARIAH space: communities

www.dariah.eu

History

- Supporting research into the Holocaust
 - Improve (online) access to Holocaust material
 - Initiate new levels of collaborative research
 - Enable historiographical progress (transnational and comparative research)



Lexicography

Existing communities of practice in
eLexicography

– COST IS 1305 [ENeL](#)



**EUROPEAN
NETWORK OF
e-LEXICOGRAPHY**

Providing requirements for the representation of
ancient and modern dictionaries

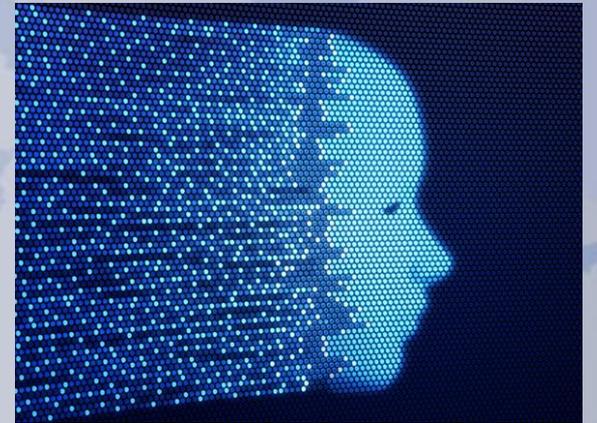
Arts

Archive of Digital Art ([ADA](#))



Available prototypes to be provided to the
DARIAH community

→ [Liverpool declaration](#)





DARIAH-EU

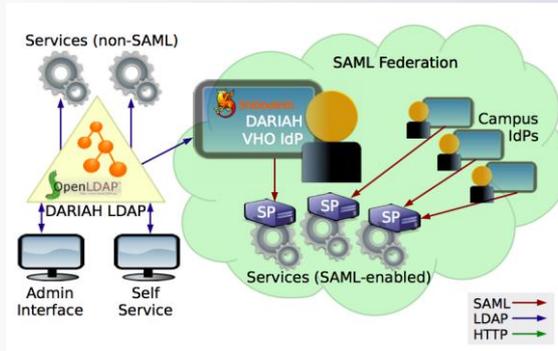
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for the Arts and Humanities

The DARIAH space: technologies

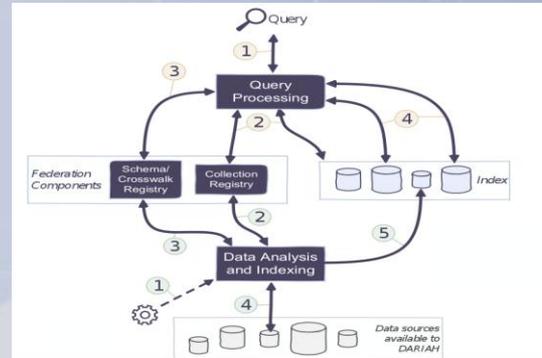
www.dariah.eu

Technical infrastructure

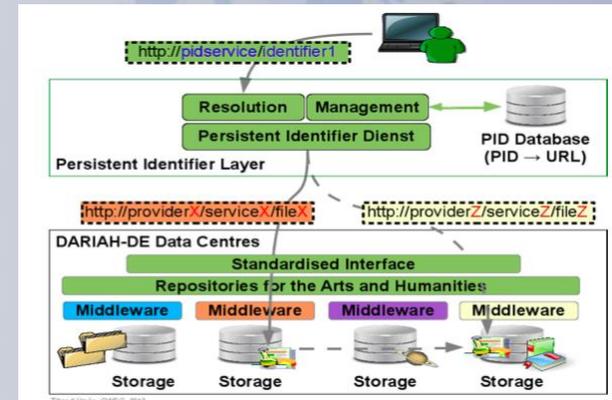
AAI Infrastructure



Federated, Generic Search



Collaboration Tools



Persistent Identification



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The DARIAH space: basic services

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[Login](#) | [Apply](#)

Filters:

Country

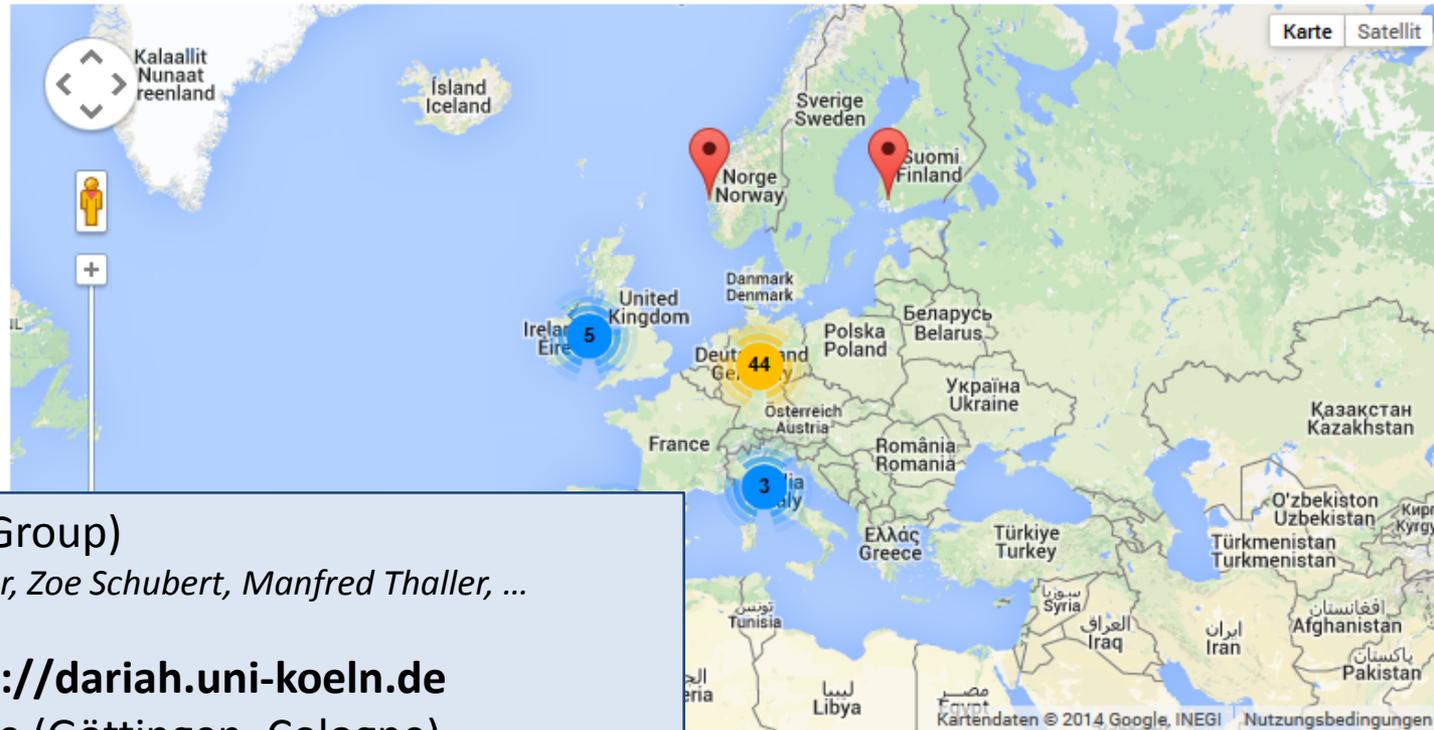
City

University

1. Type

2. Type

TaDiRAH keywords



VCC2 Task 3 (Working Group)

Stef Scagliola, Walter Scholger, Zoe Schubert, Manfred Thaller, ...

- ✓ Live Version at: <https://dariah.uni-koeln.de>
- ✓ Based on DE database (Göttingen, Cologne)
- ✓ Showcase compiled in NL, implemented in DE
- ✓ *TaDiRAH* taxonomy implemented
- ✓ DARIAH Geobrowser implementation and Online Guide under construction
- × Sustainability and accuracy of the course data
- × *National Moderators* to edit/curate national data
- > nomination by *National Coordinators*
- × Data curation as national In-Kind contribution?

Department	Information	Curriculum	Location
Department: Faculty of Mathematics and Computer Science	Link >>	Guide >>	
Digital Humanities	Link >>	-	



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The DARIAH space: initiatives

www.dariah.eu

Network of affiliated projects



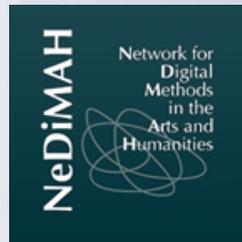
Archaeologists



Medieval and modern historians



Holocaust researchers



Digital methods



Digital textual scholarship





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Key themes and dreams

www.dariah.eu

Fostering national capacities

- 15+ countries with heterogeneous developments in digital methods in the Arts and Humanities
- Contributing to the development of national roadmaps for digitally enabled research in the humanities
 - Digitization programs
 - National technical infrastructures
 - Multidisciplinary initiatives
 - National funding schemes
 - Fostering specific support with EU structural funds

Humanities – let's go open

- *Open humanities*: a priority for the early period of DARIAH
- Combining efforts to improve awareness on
 - the need to make primary and secondary sources (publications)
 - the means to openly communicate research results; from blogs to repositories
 - the good scholarly practices — comprising licenses — related to the delivery and re-use of open content

Towards an open space of interoperable research

- All researchers in the arts and humanities should be able to
 - find,
 - observe,
 - analyze and
 - communicate
- on a wide wealth of digital human traces,
- whatever his/her digital literacy



DARIAH-ERIC

Many thanks to:

Sheila, Peter, Sophie, Ariane, Henk, Heike, Conny, Tobias, Harry, Maria, Lorenza, Jacques, Pascal, Thierry, Michel and all those who participated and supported the DARIAH endeavour

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