BENUTZERAKTIONSANALYSE UND DIE DOKUMENTATION VON FORSCHUNGSPROZESSEN IN DEN DH

DHd 2017 - 15.02.2016

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ZIEL UND HINTERGRUND

- *Frage*: Wie lassen sich Ergebnisse der Benutzeraktionsanalyse methodisch und technisch in den Kontext der Evaluation von DH Methoden übertragen?
- *Kontext*: DARIAH-DE, Wissensspeicher

AUFBAU DES VORTRAGS

- Dokumentation von DH Forschungsprozessen
- Benutzeraktionsanalyse
- Use-Case: Wissensspeicher
- Zusammenhang und Ausblick

BEOBACHTUNG VON FORSCHUNGSPROZESSEN IN DEN DH

NeDiMAH
Network for Digital Methods in the Arts and Humanities

HOME | ABOUT NEDIMAH | NEWS | CALLS FOR PAPERS | EVENTS | METHODS

Home > Events > NeMO: The NeDIMAH methods ontology / DG Digital Methods and Practices Observatory (DiMPO)

Search

- Our Mission
- Workgroups
- Contact

NEMO: THE NEDIMAH METHODS ONTOLOGY / DG DIGITAL METHODS AND PRACTICES OBSERVATORY (DIMPO)

Date: 22. April 2015

NeMO: The NeDIMAH methods ontology / DG Digital Methods and Practices Observatory (DiMPO)

Wednesday 22 April 2015

09:00-12:00

Slovenian Ministry of Education, Science and Sport

Ljubljana, Slovenia

https://www.dariah.eu/activities/general-vcc-meetings/5th-general-vcc-me...

Organisers:

Lorna Hughes
Panos Constantopoulos
Costis Dallas
Agiatis Benardou

Largely grounded on still on-going empirical research on scholarly practices undertaken in several DARIAH-related projects including Preparing DARIAH, DARIAH-GR, and EHRI, the NeDiMAH Methods Ontology (NeMO) emerged as a collaboration between NeDiMAH and the Digital Curation Unit, ATHENA R.C., partner and task co-chair in DARIAH VCC2.
NeMO has undertaken the development of a comprehensive model incorporating existing relevant taxonomies of scholarly methods and tools: TaDIRAH, Oxford ICT, DHCommons, CCC-IULA-UPF and DiRT have been reviewed and a mapping of the concepts defined therein onto NEMO concepts has been produced. The outcome of the project (due 2015) will be a formal ontology: an explicit specification of a conceptualization in the domain of scholarly research and their context of scholarly use, providing a shared vocabulary, i.e. the type of objects and/or concepts, and their properties and relations, which can be used to adequately represent the domain of arts and humanities scholarly practice in the digital age.
In this proposed workshop, we would like to introduce and discuss the outcomes of this collaborative work with the interested DARIAH partners and explore ways to take it forward after the NeDiMAH initiative has been completed.

DM2E
Digitised Manuscripts to Europeana

Blog | Workpackages | Tools | Project outputs | Project resources | About | Contact

Modeling the Scholarly Domain

Posted on Thursday, January 15th, 2015 at 2:29 pm.
Written by **Lieke Ploeger**

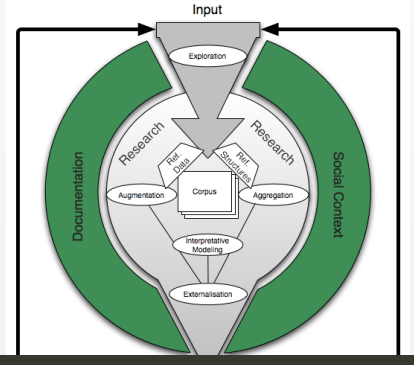
1 Introduction

The aim of DM2E's Task 3.4 was to investigate how a digital humanist uses digital research tools and how his actions can be modeled. With respect to the environment of Linked Data and Europeana, the initial question were "What does the humanist want to do with the digital tools?" and "What are the 'functional primitives' of the digital humanities."

With our model, the Scholarly Domain Model (SDM), we try to initiate and encourage more reflection on the methods of humanities scholars in a digital environment, and, at the same time, to connect the development of applications closer to scholarly practices.

2 Scholarly Domain Model

The model groups together the activities of a generic research process and constitutes the primitives of scholarly work. The model itself consists of different layers of abstraction, each one describing the field with more granularity. The top layer displays Research as the central aspect of the SDM, but it makes it clear that is dependent on input and will ideally produce output. The arrows leading back to input indicate that the output of one iteration can be used as input to a following research process.



Tweets by @DM2Europeana

DM2Europeana @DM2Europeana
All final outputs (tools, deliverables, publications) of @DM2Europeana now available at dm2e.eu/outputs/ #linkeddata #europeana #lod

Outputs
####DM2E ...
dm2e.eu

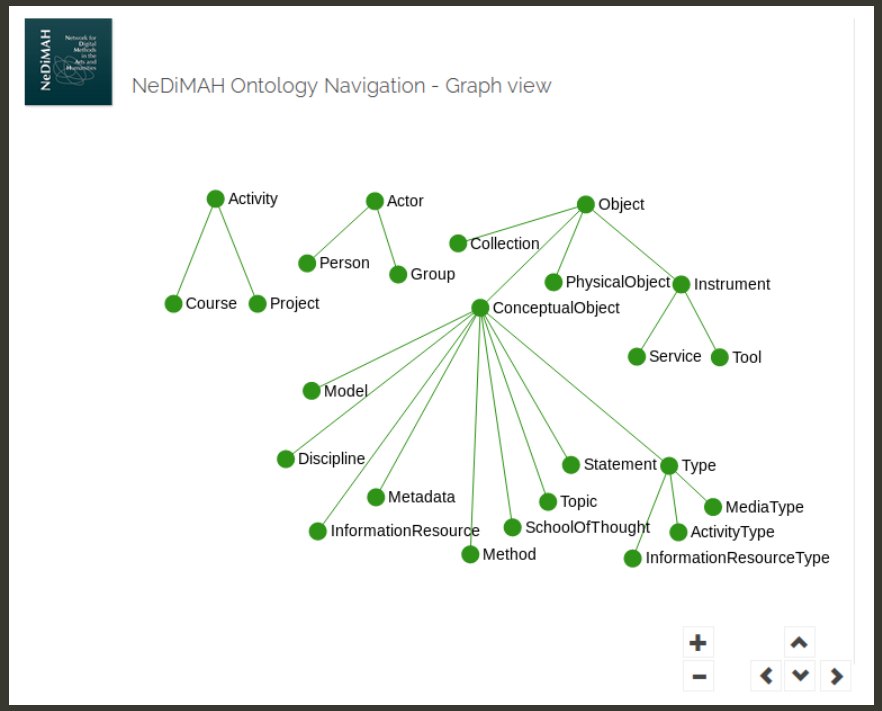
10 Jul

DM2Europeana @DM2Europeana
Why are projects like @DM2Europeana important for #Europeana's future? pro.europeana.eu/blogpost/why-a... #openglam #digitalhumanities #DM2E

15 Apr

Embed | View on Twitter

NEMO

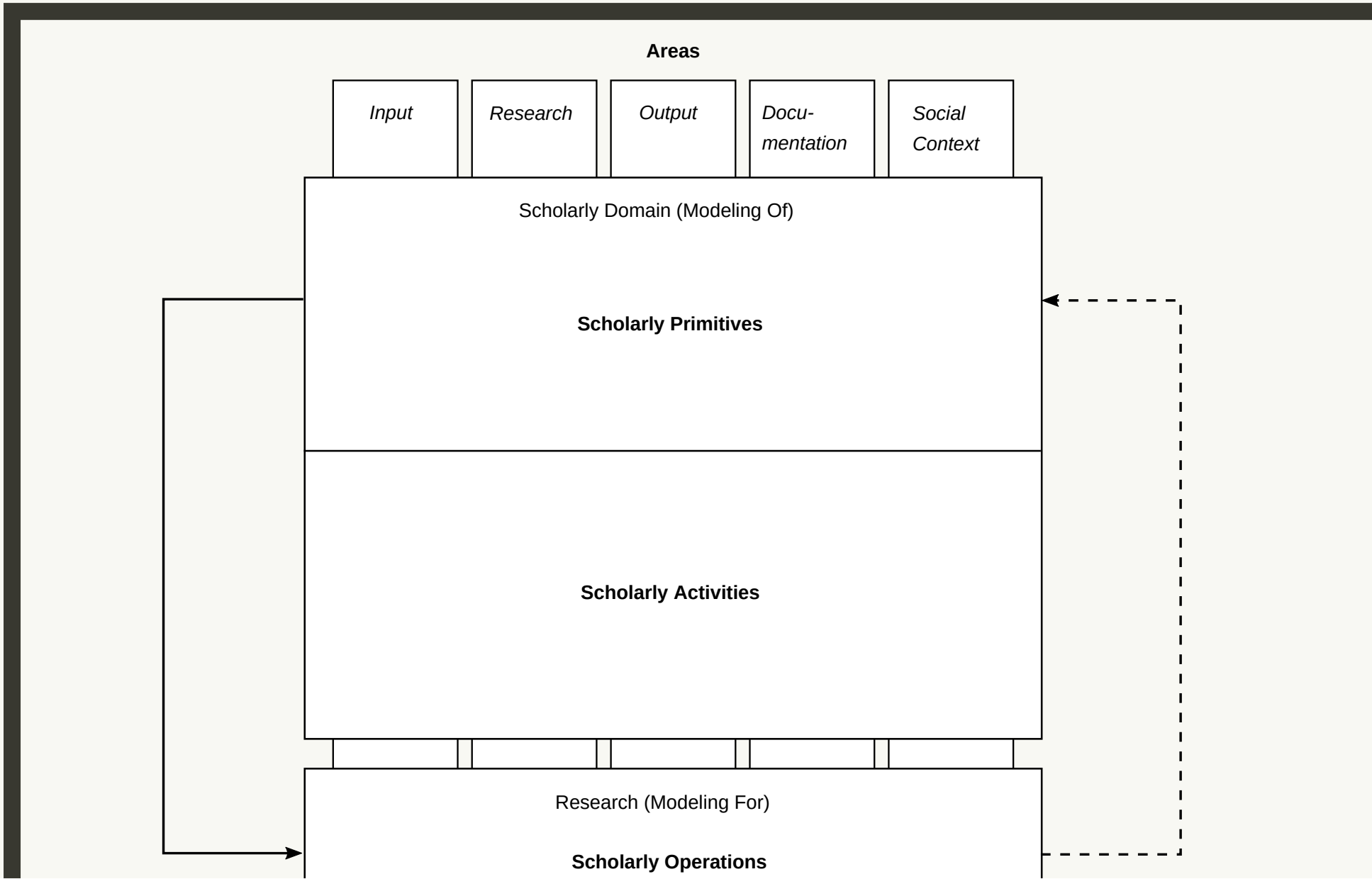


3 semantische Ebenen

"In brief NeMO offers: common definitions and an agreed vocabulary on research methods and related processes within the digital humanities"

"a semantically organized, useful information resource on humanities research methods, related research activities, digital tools and services, data and resource types, contexts and situations for which they are appropriate, and examples of best practic"

SCHOLARLY DOMAIN MODEL



IM AUGE DES BETRACHTERS …

Forschungsprozess

SDM
strategisch
workflow

?

DiMPO/NeMO
perzeptiv
lineage

BENUTZERAKTIONSANALYSE

- untersucht die Interaktion zwischen einer (digitalen) Umgebung und menschlichen Akteuren in dieser Umgebung
- entwickelt Verfahren für die Generierung von Daten über Benutzeraktionen sowie für ihre Auswertung
- usability, workload analysis, e-commerce, social-network-analysis

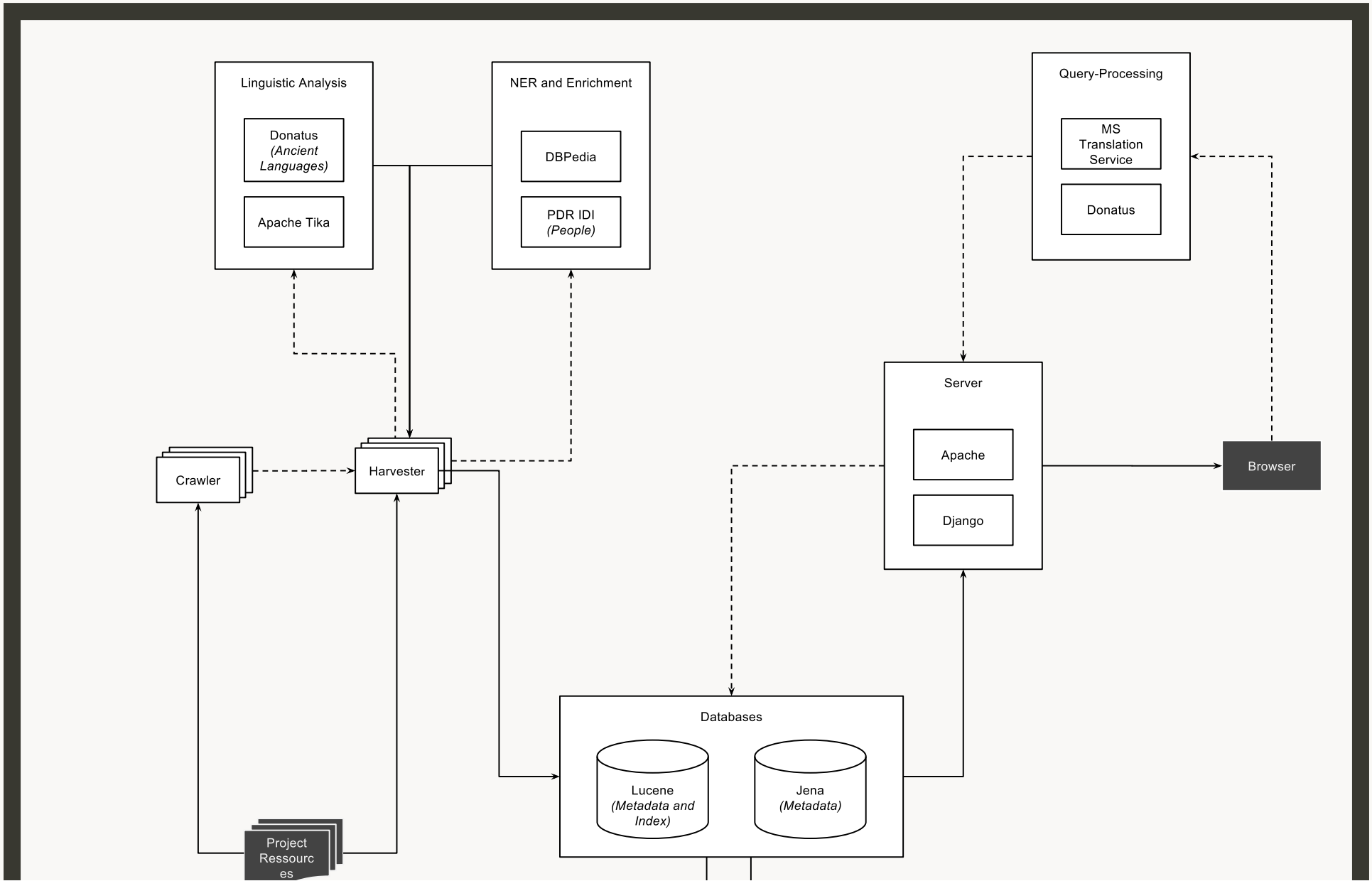
STRATEGIEN DER BENUTZERAKTIONSANALYSE

DATENGENERIERUNG	DATENAUSWERTUNG
Serverlogs	Taskmodel
Mausbewegungen	Clustering (k-means)
Augenfokus	Probabilistisch (Markov Chain)
Mausclicks	Mining
Input-Elemente	DOM Parsing
Session	Think-Aloud
Systemereignisse	Interviews
Crawling	
Code-Ingest	
JS + Microdata	

USE-CASE WISSENSSPEICHER

- digitale Kerninfrastruktur der Berlin-Brandenburgischen Akademie der Wissenschaften
- organisiert und prozessiert digitale Ressourcen der Akademie
- ermöglicht Interaktion mit einem Informationsraum statt mit Objekten

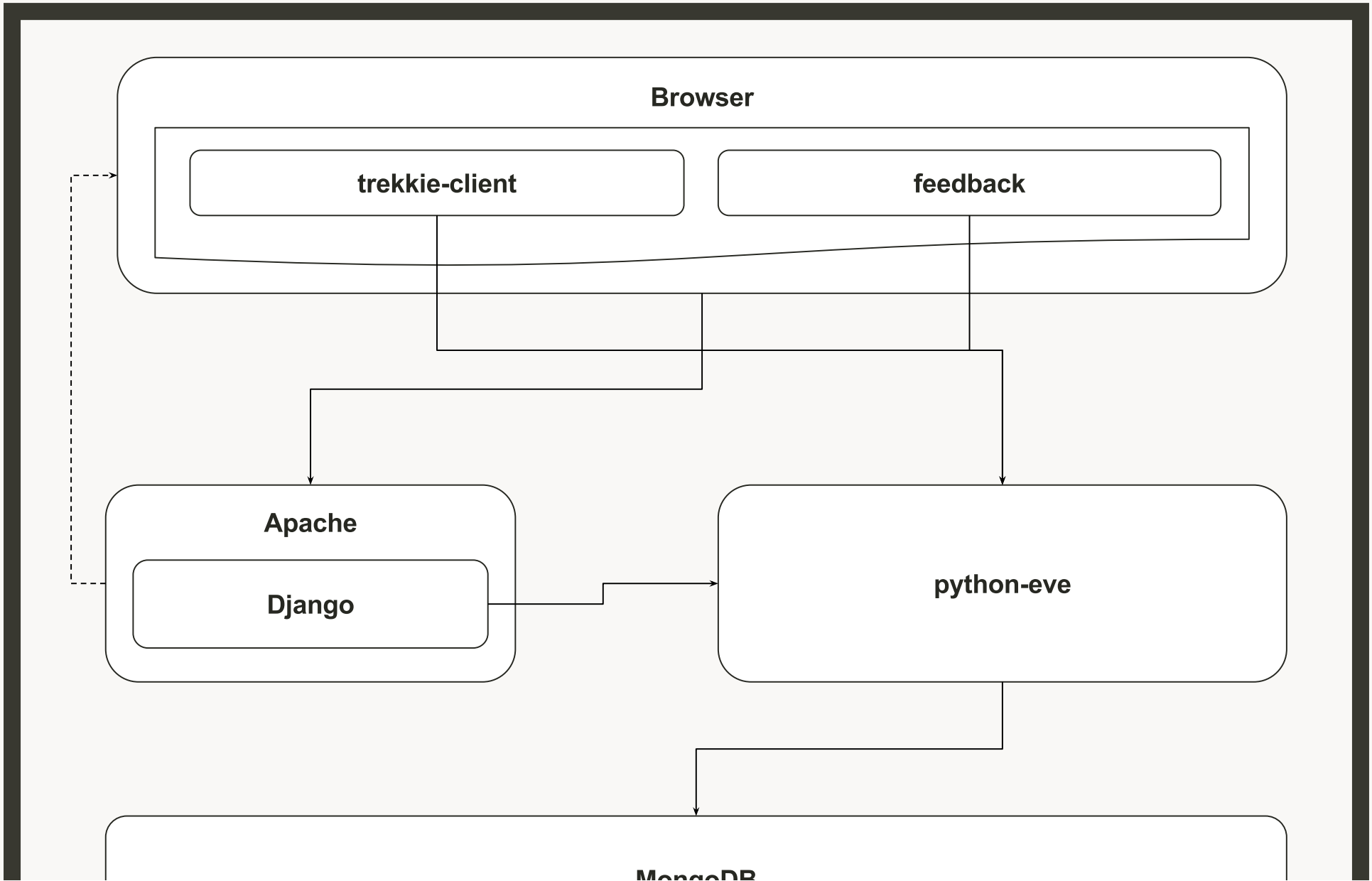
ARCHITEKTUR DES WISSENSSPEICHERS



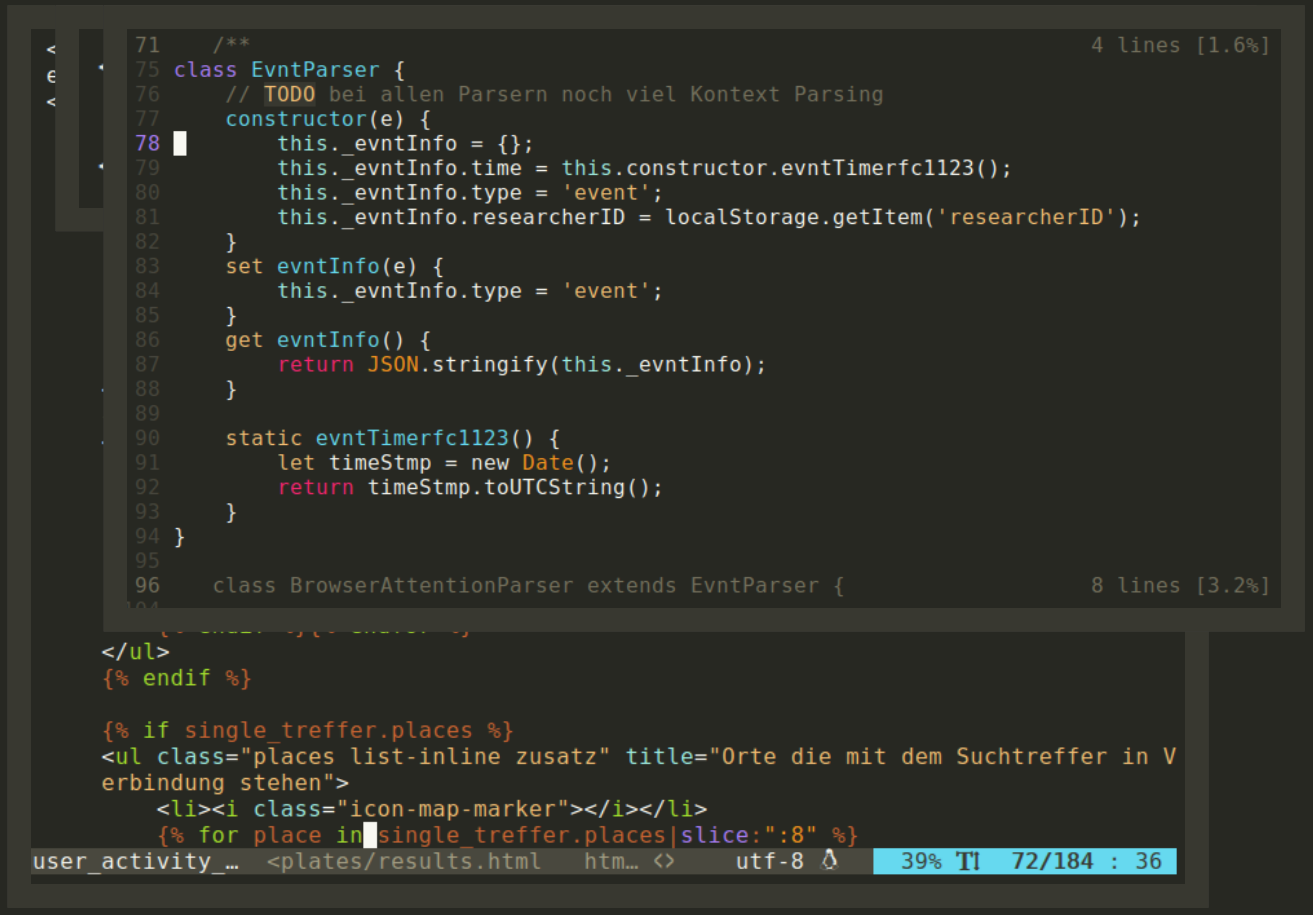
KOMBINATION VON ANSÄTZEN ZUR ERHEBUNG DER DATEN

- HTTP-requests
- Browser und UI-Events
- Feedback

IMPLEMENTIERUNG: ARCHITEKTUR



IMPLEMENTIERUNG: TREKKIE



EVENTTYPEN

EVENT GROUP	PAGE	AREA	EVENT	TRIGGER TYPE	PROPERTIES
ui	landing page		query (field)	click	query string; quer y paramter
ui	result list page	search bar	query (field)	click	query string; quer y paramter
ui	result list page	result item	click on r esult title	click	'Weitere Informationen' open; not open; time spent on the page before click
ui	result list page	result item	click on 'Weit ere Informationen'	click	
ui	result list page	result item	click on pr oject name	click	result item wher e the link is click ed; 'Weit ere Informationen' open; not open; other s open
ui	result list page	'Weitere Informationen'	click on per son name	click	time on the p age; other 'Weit ere Informationen' open
ui	result list page	'Weitere Informationen'	click on plac e name	click	time on the p age; other 'Weit ere Informationen' open
ui	result list page	'Weitere Informationen'	click on subject name	click	time on the p age; other 'Weit ere Informationen' open
ui	result list page	'Erkunden'	click on t ag		place; person; languag e; subject ; tab ne w/old
ui	result list page	filter area	click on 'AutorInnen' it em	click	value; pie c ount st atus
ui	result list page	filter area	click on 'Pr ojekte/Vorhabe' item	click	value; pie c ount st atus
ui	result list page	filter area	click on 'Spr achen' it em	click	value; pie c ount st atus
ui	result list page	filter area	click on 'Filt er anw enden' button	click	value; pie c ount st atus
browser			open link in ne w tab		
browser	all		page is lo aded		external or int ernal r eferer url
browser			back butt on		page lo aded; p age in hist ory
browser			loose f ocus		
browser			gain focus		

KOMBINATION VON ANSÄTZEN DER BEDEUTUNGSGEBUNG UND AUSWERTUNG

- task-model
- think-aloud
- clustering

BENUTZERAKTIONSANALYSE IM KONTEXT

DANKE

presented with reveal.js

source at Cutuchiqueno/output.git

Twitter: @Cutuchiqueno