Die DARIAH-DE Infrastruktur als Unterstützer qualitativen Arbeitens – ein Überblick

Prof. Dr. Andreas Henrich
Otto-Friedrich-Universität Bamberg
Chair of Media Informatics
2. DARIAH-DE

errichtet vernetzt stellt bereit fördert definiert e-Infrastruktur Curricula Standards Schulungen Forschungsdaten für Fachwissenschaftler Lehrpersonal Forschungsinstitutionen Datenzentren Forschungsprojekte
supports digitally-enabled research and teaching in the arts and humanities
  – generating new research questions
  – answering old research questions with new digital methods

is developing a research infrastructure which offers:
  – Tools
  – generic and discipline specific services
  – access to research data as well as materials for research and education in the Digital Humanities
  – curricula and qualification instruments for students, PhD-candidates and academics
Research Data and Collections

• Documents and sources in the field of the Arts and Humanities
• Collected and compiled by academics
• In many ways **multifaceted**:
  – Different media formats
  – Provenience and context
  – Based on the research question and the research methods
  – Granulation
  – Language
  – etc.
Example: Geo-Browser – spatial temporal Tool

Publications from and about Goethe and Schiller between 1850-1900, based on the catalogue information from the SUB Göttingen
Searching Federated Collections

Overview

– Introduction
– Federation
– Generic Search
– Use Case Biographies

image source: www.colourbox.de, 9676365
Components of the Federation Concept

- **Federation Level**
  - Collection Registry
  - Schema Registry
  - Crosswalk Registry

- **Use of interfaces to access and index the data sources**
- **References to digital collections**
- **Describing structure the content of accessible data**
- **Association of local data models**

- **Accessible Collections**

- **Integrative Service**
Search for collections
Idea

Detailed Search  →  Source Selection  ←  Visualization

Visual Information-Seeking Mantra
Overview first, zoom and filter, then details-on-demand.

[Shneiderman, 1996]
Finding relevant collections

Collections are selected as expected results

Extended Search

Search facets specified in Dublin Core

Aggregation of search results by collection; more sophisticated visualization techniques are currently being evaluated
Finding relevant resources

- **Resources are expected**
- **Full-text query**
- **Records are indexed and available in their originally fetched form; here in oai_dc**
Custom selection of collections

Favorite collections can be grouped and shared with other users

Collection selection can be performed manually
Cosmotool prototype

<table>
<thead>
<tr>
<th>Personensuche</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Anzeigten werden 11 von 11 Treffern</td>
<td></td>
</tr>
<tr>
<td>Rudolf Goethe</td>
<td></td>
</tr>
<tr>
<td>* 13. 4. 1843 in Naumburg; † 16. 1. 1911 in Darmstadt</td>
<td></td>
</tr>
<tr>
<td>deutscher Weinbaufachmann</td>
<td></td>
</tr>
<tr>
<td>Charles Goethe</td>
<td></td>
</tr>
<tr>
<td>* 1. 1. 1875; † 1. 1. 1966</td>
<td></td>
</tr>
<tr>
<td>Hermann Goethe</td>
<td></td>
</tr>
<tr>
<td>* 16. 3. 1837 in Naumburg; † 12. 5. 1911</td>
<td></td>
</tr>
<tr>
<td>deutscher Weinbaufachmann</td>
<td></td>
</tr>
<tr>
<td>Johann Wolfgang von Goethe</td>
<td></td>
</tr>
<tr>
<td>* 28. 8. 1749 in Frankfurt am Main; † 22. 3. 1832 in Weimar</td>
<td></td>
</tr>
<tr>
<td>deutscher Dichter, Naturwissenschaftler, Kunsttheoretiker und Weimarer Staatsmann</td>
<td></td>
</tr>
</tbody>
</table>
Cosmotool prototype

from structured data

Extracted from full-text