Jessica Hubrich (German National Library)
Visual Representations of Newspaper Information
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German Union Catalogue of Serials (ZDB)

One of the world’s largest databases for journals, newspapers, monographic series and other serial publications

- 13.5 million holdings
  - about 4,000 German & Austrian institutions

- 1.8 million titles
  - all countries
  - all languages
  - all times

- 10.1 million links to GND
  - printed
  - electronic
  - digitised

Title increase per year: Circa 45,000–50,000
German Union Catalogue of Serials (ZDB)

One of the world’s largest databases for journals, newspapers, monographic series and other serial publications

- 13.5 million holdings
- 1.8 million titles
- 60,000 newspapers
- 10.1 million links to GND
- 1.8 million titles
German Union Catalogue of Serials (ZDB)

Information contained in ZDB that can be used for visualisations

- 13.5 million holdings
- 1.8 million titles
- 10.1 million links to GND
- title links
- machine-readable time information
- machine-readable time information
- places of distribution
German Union Catalogue of Serials (ZDB)

Information contained in ZDB that can be used for visualisations

- 13.5 million holdings
- 1.8 million titles
- Title links
- 10.1 million links to GND
- Places of distribution

Chronological relations: 850,000
Relations “has supplement”: 83,000
Relations “is supplement of”: 74,000
Parallel editions: 310,000
German Union Catalogue of Serials (ZDB)

Information contained in ZDB that can be used for visualisations

- 13.5 million holdings
- 1.8 million titles
- 10.1 million links to GND
- 20,000 geo-coordinates in GND
# German Union Catalogue of Serials (ZDB)

Context information in the current OPAC

<table>
<thead>
<tr>
<th>IDN:</th>
<th>010380698</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titel:</td>
<td>Wiener Zeitung : österreichische Tageszeitung seit 1703</td>
</tr>
<tr>
<td>Beteiligt:</td>
<td>Heyssler, Moritz</td>
</tr>
</tbody>
</table>

**Frühere/spätere Titel:**
- Vorg. ---> Wienerisches Diarium
- 1805,27(3.Apr.) - 1806 ---> Kaiserlich-königliche privilegirte Wiener Zeitung
- 1807 - 1848,179(30.Juni) ---> Österreichisch-kaiserliche privilegirte Wiener Zeitung
- 1940,1.März - 1944,June aufgeg. in ---> [Völkscher Beobachter / Wiener Ausgabe]

**Weitere Titelhinweise:**
- Separatabdr. ---> Österreich / Verstärkter Reichsrath : Verhandlungen des Österreichischen Verstärkten Reichs
- Digital. Ausg. ---> Wiener Zeitung
- Beil. ---> Lesezirkel
- Beil. ---> Austria
- Beil. ---> Österreichische Blätter für Literatur und Kunst
- Beil. ---> Wiener Abendpost
- Ab 1985 Beil. ---> Jus extra
- 2000 - 2001 Beil. ---> Tribüne Afrikas
- 2004,2 - 2013,26 Beil. ---> Wiener Journal
- Beil. ---> Erwachsenenbildung in Österreich
- Beil. ---> Österreichische Woche
Project Context

“Further development of the German Union Catalogue of Serials (Zeitschriftendatenbank, ZDB) as steering and research instrument for newspaper digitisation projects and for newspaper”

- Funding: German Research Foundation
- Project duration: 02/2014–06/2015
- Part of a joint project
  “Digitisation of Historical Newspapers”
  Duration joint project: 05/2013–12/2015
Joint Project “Digitisation of Historical Newspapers”

- Partners: 6 libraries
  Bavarian State Library, German National Library, State and University Library Bremen, Berlin State Library, Saxon State and University Library Library Dresden, University and State Library Halle

- Aims
  - Proof of the feasibility regarding different organisational and technical digitisation methods
  - Infrastructural improvements for common representation and search environments
  - Insights and recommendations for a nation-wide funding scheme are gathered in a “masterplan”.
ZDB Project

- **Partner**
  
  German National Library
  Berlin State Library – Prussian Cultural Heritage
  ]init[ AG (Frontend development)

- **Aim**
  
  New ZDB catalogue with innovative support of searches for newspapers and digitisation

  Betaversion online since 06/2015: beta.zdb-opac.de/zdb
The New ZDB Catalogue with Old Features ...
... and New Features

Search for title data

Filter holdings

- Title data
- Title connections
- Holdings
- Licence information

Sort title data

Sort holdings
... and New Features

- Search for title data
- Filter holdings
- Show
  - Title data
  - Title connections
  - Holdings
  - Licence information

- Sort title data
- Sort holdings
- breadcrumbs trail
- title facets/checkboxes/timeline
- holdings facets
- holdings map
- Compare holdings
- original script
- title history
- title relations
- map for places of distribution
- autosuggest
Visual Representation of Information

The bookseller

Note: Only those library holdings will be displayed that are described with standardised data. The 4 libraries with the richest holdings are displayed by default; more may be added manually.
Holdings Overview

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Holdings Overview

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<table>
<thead>
<tr>
<th>Berlin SBB Haus Unter d.Linden</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shelfmark</td>
</tr>
<tr>
<td>Interlibrary loan</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Bonn F.-Ebert-Stiftung Bib.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shelfmark</td>
</tr>
<tr>
<td>Interlibrary loan</td>
</tr>
</tbody>
</table>
Title History ...

http://beta.zdb-opac.de/zdb/title.xhtml?idn=014500930&mf=nonlatin
... with Integrated Overview of Supplements

Title Relations

http://beta.zdb-opac.de/zdb/title.xhtml?idn=010716106&mf=nonlatin
Summary & Outlook

Visualisation as value-adding services in the new ZDB catalogue

but not the only new features to improve searches

<table>
<thead>
<tr>
<th>Additional feature</th>
<th>Support of ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enhanced search: Checkbox “planned digitisation”</td>
<td>... digitisation projects</td>
</tr>
<tr>
<td>Facet “digitisation”</td>
<td>... digitisation projects</td>
</tr>
<tr>
<td>Facet frequency Facet attribute “newspapers”</td>
<td>... newspaper searches</td>
</tr>
<tr>
<td>Timeline</td>
<td>... time-related newspaper searches</td>
</tr>
</tbody>
</table>
Summary & Outlook

Upcoming visualisation: facet & map “places of distribution”

Note: Only places of distribution that have geo coordinates in the Integrated Authority File (GND) are displayed on this map. Places of distribution that are not displayed due to lacking data: 0
Thank You for Your Interest!

If you have any questions, please contact

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URL of the betaversion of the new ZDB catalogue
beta.zdb-opac.de/zdb