Unified Access to heterogeneous library services

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- Founded in 1388
- 43,000 students
- Two-tier library system
  - Main library (University and City Library)
  - 145 autonomous faculty & institute libraries
University and City Library of Cologne

- 4 million items
- 70,000 e-journals, 23,000 e-books
- 1,2 million loans per year (self-service via RFID)
- 43,000 active users
  - students + faculty members: 29,000 (67 %)
  - external users: 14,000 (33 %)
Library Portal: Mission

Connect users to content with minimal barriers and maximum speed and ease.
Main Goals

• Single user interface for access to all of the library’s resources and services

• Enhancement of search facilities
  – Open source search engine (Xapian) for local metadata (12 million records)
  – EBSCO Discovery Service for licensed content (> 500.000 million records)
  – Metasearch for union catalogs (ILL)

• Single Sign-On
Main Goals (2)

• Integration of functions for ordering and reservation
  – LMS (SISIS SunRise, OCLC)
  – Patron driven acquisition
  – Inter-library loan
• Aggregation of account data from multiple systems
• Extension of usage reporting
Service-oriented Architecture

**Library Portal**
- Apache
- ZMS/Zope
- IPS

**Presentation Layer**
- Authentication, Order Books, Renewal, ...
- Search (local Resources)
- Metasearch, ILL, Browsing

**Service Layer**
- SOAP
- SOAP, HTTP
- HTTP, Z39.50, ...

**Data Layer**
- Integrated Library System (SISIS-SunRise)
- Local Search Index (Xapian)
- Local Resources
  - Print Media
  - E-Resources
  - Digital Collections
- External Resources
  - Catalogues & Databases
  - EBSCO Discovery Service
  - E-Journals Library, ...
  - Interlibrary Loan

**Local Resources**
- USB
- Faculty Libraries
Aggregation of e-book metadata

- 23,000 licensed e-books from various publishers
- 365,000 e-books licensed by the DFG (German Research Foundation)
- 1,157,000 free e-books from OpenLibrary.org
- 33,000 free e-books from Gutenberg.org
- 17,500 free e-books from Wikisource
- 1,100 free e-books from the Directory of Open Access Books
Digitization of copyright-free books

- ScanRobot®
- Bookeye®
- Overhead-scanners
- CONTENTdm
  Digital Collection Management Software (OCLC)
Digitale Sammlungen der Universität zu Köln: Gesamtobjekte anzeigen - Mozilla Firefox

Digitale Sammlungen > Inkunabeln und Blockbücher

1. **Horolog**
   Bertholdus Zeitglöcklein des Lebens und Leidens Christi
   - Vorderdecket
   - Vorderer Spiegel
   - Bertholdus Zeitglöcklein des Lebens und Leidens Christi

2. **Horolog**
   Bertholdus Zeitglöcklein des Lebens und Leidens Christi
   - [5] - 1
   - [6] - #
   - [8] - #
   - [9] - 3
   - [10] - #
   - [12] - #
   - [14] - #
   - [15] - 6
   - [16] - #
   - [17] - 7
   - [18] - #
   - [19] - 6
   - [20] - #
   - [21] - 9
   - [22] - #

3. **Zeitglöcklein des Lebens und Leidens Christi**

   Universitäts- und Stadtbibliothek Köln: [http://www.ub.uni-koeln.de/](http://www.ub.uni-koeln.de/)
Catalogue Enrichment

• Tables of contents of newly acquired books are scanned and processed as full text using text recognition (OCR)
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1. Introduction: Oi Kwan Road 3
2. The history of Islam in Hong Kong 21
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Mobile Website

Einstieg nach Fach: Aufsätze, Bücher und Zeitschriftentitel

- Wiss
- Rechtswiss.
- Medizin
- Philosoph.
- Humanwiss.
- Benelux
- EDZ (Europa)

   Banu, W. Aisha; Khader, P. Sheik Abdul; Raghunathan, Shriram

2. Mobile content contribution and retrieval: An exploratory study using the uses and gratifications paradigm
   Alton Y.K. Chua; Dion Hoe-Lian Goh; Chei Sian Lee
   Information Processing and Management, 2011

3. Mobile content contribution and retrieval: An exploratory study using the uses and gratifications paradigm
   Chua, AYK; Goh, DHL; Lee, CS
Thank you very much for your attention!

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