

# **North Rhine-Westphalian Library Service Centre.**

hbz product scope.

## Content

|                            |    |
|----------------------------|----|
| Catalogue Network Services | 4  |
| DigiBib Solutions          | 6  |
| DigiLink                   | 8  |
| DigiAuskunft               | 8  |
| Inter-Library Loan (ILL)   | 9  |
| Digital Content            | 9  |
| Linked Open Data           | 10 |
| Open Access                | 11 |
| Digitisation               | 12 |
| Digital Preservation       | 14 |
| Library Statistics         | 17 |

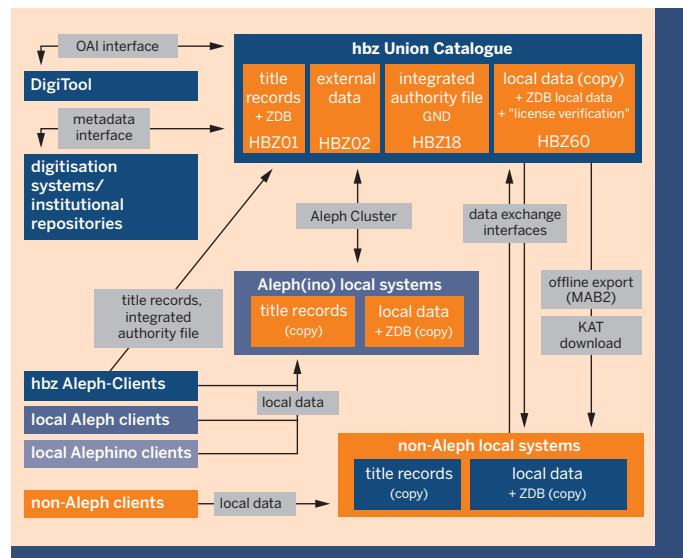
# Catalogue Network Services

## hbz Union Catalogue – sharing resources

The hbz Library Service Centre provides utilities such as the hbz Union Catalogue and a variety of related professional services thereby supporting libraries in recording their holdings and making them available to end users. Associated libraries stand to benefit greatly from the synergies of co-operative cataloguing and classification. The hbz Union Catalogue contains some 19 million title records and approximately 42 million local data sets of the hbz library network in North Rhine-Westphalia and Rhineland-Palatinate. Furthermore, the North Rhine-Westphalian bibliography, the German Union Catalogue of Serials (ZDB) and the Integrated Authority File (GND) can be found incorporated into the hbz Union Catalogue.

### The hbz Union Catalogue provides:

- cataloguing in convenience – functionality for exploiting library holdings to the full
- a comprehensive range of third-party data as per integration from the German National Library (DNB), from English, French and Italian resources as well as via online interfaces to the metadata of other national and international library systems
- regional ZDB (German Union Catalogue of Serials) data integration, i.e. all bibliographical and holdings data of the hbz region – with daily updates
- usage and online editing for authority data (GND) with daily updates
- automated catalogue enrichment: digital objects and subject indexing
- metadata import for e-books and National Licences (licence evidence included)
- online interfaces to local systems, featuring immediate synchronisation of bibliographical and holdings data
- interfaces for the import of metadata from local repository systems



Interfaces and data flows

- professional library and advisory services (e.g. data manuals, expertise concerning data formats, formatting and cataloguing issues)

### Headstone for additional products and services

The data and interfaces of the hbz Union Catalogue are the foundation for various products and library services: The holdings of 55 customer libraries and their assigned institutions are the major resource for the regional Online Inter-Library Loan service. These are complemented by some 7 million records from more than 60 public and other libraries transferring regular stock data exports to the hbz.

Also, the Catalogue is integrated into several end-user portals and provides the extensive data base for Linked Open Data services.

<http://oceanos-www.hbz-nrw.de/F/>

# DigiBib Solutions

## The Digital Library Portal – proven standard in literature and factual search

DigiBib consolidates versatile digital content and library information services within a common user interface.

### The Digital Library comprises:

- extensive online search and ordering systems
- cross-database search facilities in more than 570 catalogues, subject and full-text databases as well as reference works
- access to electronic full-text resources, availability check features for titles retrieved, lending transactions from local catalogues, inter-library loan/document delivery services and links to online bookshops
- full integration of external services, i.e. the DigiLink directory of e-resources, the DBIS database information system, the Electronic Journals Library (EZB) and the DigiAuskunft digital enquiries module
- an OpenURL resolver integration easily applicable to any external bibliographic data base
- authentication services providing access control to licensed electronic resources
- many configuration options, e.g. selection of databases
- customised services, e.g. various export functionalities and browser plug-ins

### Convenient solutions for end-users and libraries

- user interface – clearly-arranged and web accessible
- subsequent authentication without losing initial search results
- a high grade of adaptability to match with the library's corporate design and website
- the full range of services adapted to mobile devices
- hosting, development, support and training by the hbz Library Service Centre

To date, more than 260 libraries from nine German federal states use their own customised access to the Digital Library.

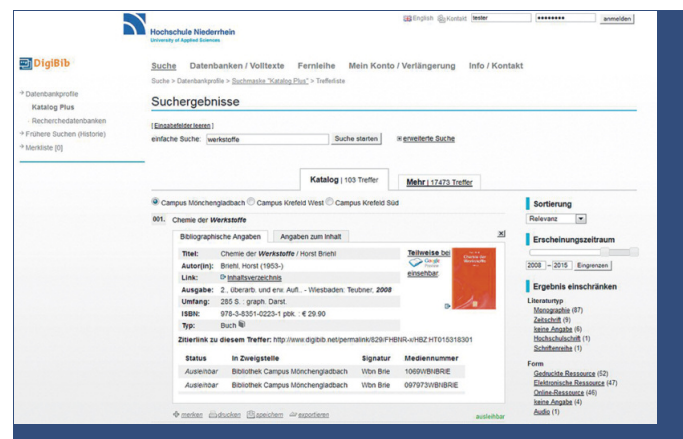
### DigiBib IntroX – Portal with OPAC and Index Integration

IntrOX stands for the convenience of both, an OPAC and a search engine extension to the DigiBib search service portfolio.

The integration of either of these extension modules is also feasible.

### DigiBib Intro – OPAC Functionality

DigiBib Intro is available for local library systems with a respective API by which OPAC features are made accessible through the DigiBib user interface. Thereby, library users benefit from a homogeneous and standard search interface – they find catalogue and DigiBib in fruitful coexistence and without media disruption.



DigiBib Intro (Hochschule Niederrhein, University of Applied Sciences)

DigiBib Intro provides full user account functionality: reservations, orders, renewals and order cancellation, and the modification of personal details.

### **DigiBib IntrX – Integrated Search Index**

DigiBib IntrX involves search engine technology and the respective index integration into DigiBib. A search profile has been adapted to manage and display search engine queries and their results. The index integration can be configured to include an index as made available by the hbz and/or a commercial index product (e.g. EBSCO Discovery Service, Primo Central, Summon).

[www.digibib.net](http://www.digibib.net)

## **DigiLink**

### **Links to technical information – the collaborative approach**

DigiLink is designed as a distributed and cooperative service that manages and displays electronic resources in a fully customised way. DigiLink can be used for browsing or metasearch as an integral part of DigiBib or be offered as a stand-alone solution. Currently, some 46,000 links in 132 locations are managed by DigiLink – to the benefit of more than 235 participating libraries.

## **DigiAuskunft**

### **You ask – we answer**

Also managed cooperatively, the DigiAuskunft service handles e-mail enquiries processed by some 300 customer libraries. An optional chat module allows for real-time communication with library users. The focus of DigiAuskunft lies on the efficient enquiry management for libraries. This also involves product customisation to the local library's service environment or according to collaborative schemes for dealing with customer queries (e.g. KoelnBib), and, even beyond with respect to co-operative

models in the support context of Onleihe (divibib GmbH). For libraries having banded together in Onleihe-networks DigiAuskunft participation can be a mixture of active and passive mode.

## **Inter-Library Loan (ILL)**

### **Available on site with Online Inter-Library Loan and Document Delivery Services**

The Online Inter-Library Loan (ILL) Service represents an important module within the multifaceted structure of the Digital Library (DigiBib). With 380 participating libraries and a corresponding number of some 800,000 order requests per year, the Online Inter-Library Loan system has become one of the most fundamental hbz services. Convenient order and delivery services provide fast and easy access for all those seeking information in academic and public library holdings. Associated libraries of the hbz network cash in on this encompassing ILL service operation for North Rhine-Westphalia and Rhineland-Palatinate.

## **Digital Content**

### **Consortial Acquisition – adding value through partnership**

The hbz consortium management deals with the economic procurement and licensing of databases, full-text resources, e-books and electronic journals and offers favourable terms for libraries in North Rhine-Westphalia, the Rhineland-Palatinate and nationwide. Centralised negotiations minimize efforts for the library end and allow for high discount rates for the participants involved. In addition the consortium management represents the interest of regional libraries at international level, e.g. the GASCO (German, Austrian and Swiss Consortia

Organisation) and the Working Group on National Licensing within the framework of the Priority Initiative "Digital Information".

#### The offer comprises:

- negotiations with content providers
- centralised contract management
- financial management
- demand surveys
- product presentations and trainings
- trial access management
- usage statistics
- membership in the German, Austrian and Swiss Consortia Organisation (GASCO), Working Group National Licensing, e.a.

#### Database Hosting

The hbz database hosting service enables libraries to provide their users with easy and comfortable access to „offline“ media.

#### Our database hosting involves:

- cost savings through centralised system architecture
- advisory service and technical support
- calculable costs
- system resilience and redundant backups
- digital rights and access management in accordance with individual licensing terms and conditions
- access statistics

## Linked Open Data

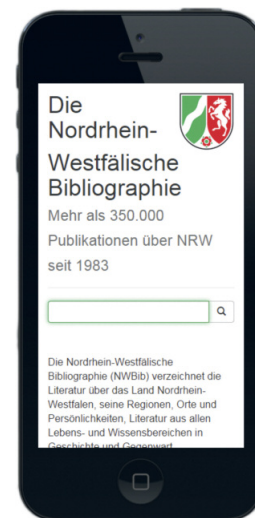
### Open Data – the future perspective for libraries on the web

The hbz has been playing an active role in the Linked Open Data movement for several years. It contributed to and pioneered in a variety of projects in the subject, especially when it came to releasing catalogue data and

migrating bibliographic data to the Semantic Web. The core of recent developments is the publication of data under an open licence which allows for free usage for everyone, also the application of Linked Data standards of the World Wide Web Consortium (W3C) across domains.

With lobid, the hbz provides its own Linked Open Data service. The lobid API allows for flexible and high-performance access to hbz union catalogue data, also to organisation data from the German ISIL registry (of the ZDB) and the authority data from the Integrated Authority File (GND). It is open and can be used by everyone. Among other things, the website of the North Rhine-Westphalian Bibliography – NWBib (<http://lobid.org/nwbib>) is based on the lobid-API. Major features of the new NWBib site are an independent and modern user interface, also adapted to mobile use, fast response times through search engine technology, faceted navigation of search results, permanent links to title records and search strategies, including Wikidata linking.

<http://lobid.org>



## Open Access

### E-Journal Publishing – casting off with DiPP

Digital Peer Publishing (DiPP) enables academic staff to self-publish their research findings and scholarly information in a convenient way. The underlying DiPP platform provides individual and comprehensive solutions for setting up an open-access publishing infrastructure. With



DiPP, the hbz supports scientists, librarians and information managers in the context of open-access publications and the respective organisational, technical and legal issues.

#### **The service offer involves:**

- article enrichment by additional material such as research data, software or multi-media assets
- integrated web-based peer-reviewing system – a high-quality insurance for scientific DiPP e-journals
- persistent identifiers (URN/DOI) to guarantee article citation
- citation in international databases and search engines
- system expansion as defined by long-term archiving
- Digital Peer Publishing Licence (DPPL) – an author-friendly regulation for the terms and conditions of use

DiPP is available for new partners in and beyond North-Rhine Westphalia.

[www.dipp.nrw.de](http://www.dipp.nrw.de)

## **Digitisation**

### **Universal availability made easy**

In the digital age, it is to an increasing extent that users consume information via computers, tablet PCs or smartphones. The digitisation of content empowers libraries to reprocess their print media in electronic format thereby delivering added value to meet the demands and requirements of modern user behaviour.

#### **Catalogue Enrichment**

Catalogue enrichment involves the enhancement of metadata sets by adding extra information to the respective media item, e.g. tables of contents (TOCs). Thus, monographs receive a record on chapter level as well. The hbz provides a central infrastructure by which hbz

Union Catalogue records can be linked to TOCs and other data. Interfaces do not only allow for data downloads from a variety of resources but also for replicating information to the local library systems. At present, two procedures for the creation of catalogue enrichments are being supported: via MyBib eDoc<sup>®</sup> by Imageware and the “Visual Campus” solution by semantics.

#### **Digitisation and Hosting**

The hbz offers a hosting solution for digitisation projects plus a broad spectrum of services in cooperation with external partners. Every stage goes along with user-friendly workflows – from digitisation to indexing, and to the distribution of data for convenient use on the internet.

#### **scantoweb hosted by hbz**

In collaboration with its partner companies, Walter Nagel and semantics, the hbz provides a hosting solution for the “Visual Library” digitisation software combined with a complete project management. Beyond retro-digitisation, the “Visual Campus” modular suite offers interfaces to course management systems, the option to provide electronic textbooks according to copyright law, as well as a repository and an on-campus delivery services.

#### **MyBib eL<sup>®</sup>**

This digitisation service is offered in cooperation with our partner ImageWare and provides assistance in the full range of a digitisation workflow. It involves the scanning process of analogue media, metadata editing, full text indexing as well as the data provision to end users on the internet.

#### **The offer comprises:**

- **Resource benefits:** There is no need for investment in hardware, software or staff on the libraries' end.
- **Modern technology:** The hbz offers all advantages of a high-performance data centre such as a high-speed internet connection and data security.
- **Interfaces:** Interfaces to other hbz products have

been implemented in collaboration with the respective software vendors.

- **Cost advantages:** Some basic software modules are available at a reduced rate.

## Digital Preservation

### A modular concept for long-term archiving and availability

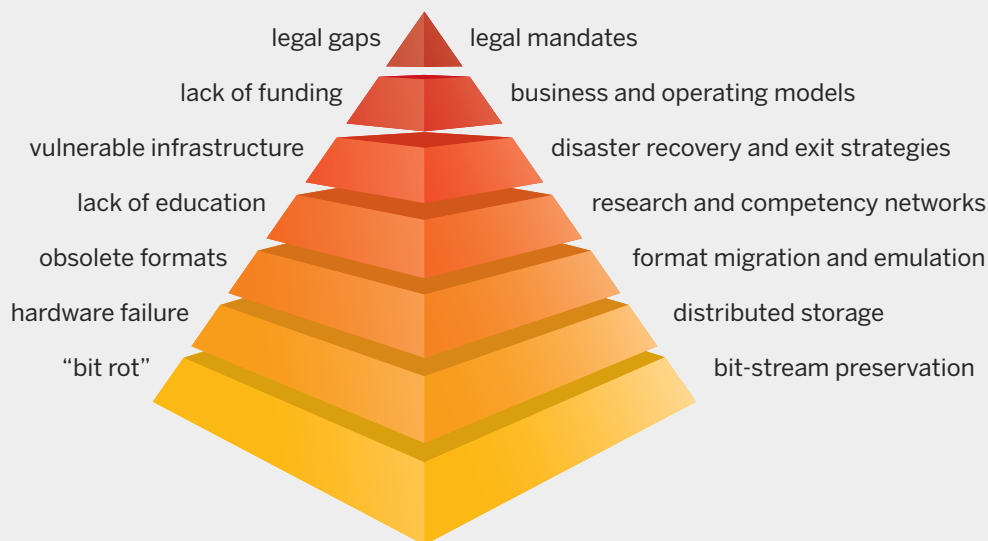
The hbz is committed to a holistic approach for long-term availability; which entails both technical issues as well as those concerning the organisational and strategic conceptual design. Focusing on this goal, the hbz offers modular solutions for long-term preservation and accessibility of knowledge and information. The hbz is active in terms of respective consultancy, in identifying the demands for long-term availability, and also in shaping

the infrastructure for sustainable data management on a regional and national level.

### Networking + exchange = a plus of competence

The hbz is a partner of nestor, the German network of excellence for all aspects in the area of digital and long-term archiving. Since 2004 the hbz is contributing to the publication output of nestor working groups. In the strategic field of bit-stream preservation the hbz runs a “LOCKSS Box” as part of the international LOCKSS network and also played an active part when it came to establishing the first functional private LOCKSS network in Germany. On the basis of its distributed and redundant storage policy the network’s objective is in ensuring the availability of individual publication types. Within the North Rhine-Westphalian Digital Archive Project (DA NRW) the hbz is service provider and partner of excellence. In collaboration with other heritage institutions, cultural infrastructure organisations and across the

## Risk levels – Strategies





boundaries of archives, libraries and museums, the hbz established a long-term archiving solution for the cultural heritage of North Rhine-Westphalia. In the context of DA NRW the hbz takes its share by providing one of the storage nodes, also by operating and developing the respective presentation layer.

### Edoweb – Web Archiving

The edoweb system was launched in 2002 and is a well-established regional product in the German framework of long-term availability. Operated as an integrated service for the Regional Library Centre in Rhineland-Palatinate (LBZ), edoweb forms the basis and solution for the long-term preservation of regional heritage publications on the web which are relevant in the context of regional legal deposit regulations. The edoweb collation focus is on electronic monographs, periodicals, and web pages.

#### The offer comprises:

- continuous development of the existing generic repository solution
- interlinking to a variety of Linked Open Data services
- extensive content integration, both in connection with the traditional library scenario and the multitude of information resources beyond the librarians' domain
- improvement and simplification of existing workflows by connecting external data pools through Linked Data

### PDF/A-Format Migration Service

In the policy area of format migration the hbz offers a PDF/A conversion tool which allows for the automatic or manual conversion of PDF documents into the PDF/A archive-ready format. In principle, all types of repositories can be connected to this modular web service for long-term availability.

## Library Statistics

### Management Ratios with German Library Statistics DBS

The DBS is the only comprehensive technical instrument handling performance figures for German libraries. It is based on the ISO 2789 standard (International Library Statistics). Full electronic recording and evaluation is provided for the data of almost 14,300 libraries.

#### DBS offers:

- citable annual statistics providing a quick overview on the core data of participating academic and public libraries
- online reporting systems:
  - the “variable analysis” which allows for the handling of individual queries and access to library data w.e.f. 1999
  - “BibS”, a library search engine providing library profiles, comparisons and respective similarity analysis
- the “indicator grid” for public libraries, a straightforward tool for performance visualization
- the DBS poster “libraries count” which contains DBS data extracts in printed format,



The DBS Data Sheet – library statistics for the public

- personal advice by the DBS editorial team
- free-of-charge and voluntary participation for any library

On behalf of the Network of Excellence for Libraries (KNB), the hbz is responsible for the implementation and analysis, as well as for the technical and editorial support involved.

**BIX – the Library Index** is based upon DBS data and provides a performance ranking for libraries in Germany. It is organised as a cooperative service of the German Library Association (dbv), B.I.T. online and the hbz and allows for a differentiated benchmarking.

### **ÖBS – Austrian Library Statistics**

Using the technical infrastructure of the DBS, the ÖBS has been collecting key data from Austrian academic libraries since 2008. Our ÖBS partner organisation is the Austrian Library Network and Service Corporation (Österreichische Bibliothekenverbund und Service GmbH, obvsg).

[www.bibliotheksstatistik.de](http://www.bibliotheksstatistik.de)

[www.bix-bibliotheksindex.de](http://www.bix-bibliotheksindex.de)

[www.bibliotheksstatistik.at](http://www.bibliotheksstatistik.at)

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