HBZ Consortium –

Networking ALEPH and non-ALEPH Local Library Systems

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History of the Hochschulbibliothekszentrum HBZ and the Consortium of HBZ Libraries -

Member Libraries - Local Installations - Database statistics

- The Hochschulbibliothekszentrum (HBZ) has been founded 1973 alongside the foundation of five Universities in the State of North Rhine-Westphalia as a bibliographic utility to support resource sharing regarding co-operative cataloging and union catalog functionalities. Cataloging and basic acquisitions tasks have been automated in the Univ Libs on these campuses by means of an offline cataloging database and COM-catalogs.

- In 1985 with an increasing membership the network migrated to an online cataloging system and database only superseded in 2000 after 15 years of successful customer support. In this period customer libraries started local library systems with OPACs and circulation, later with integrated acquisitions modules as well.

- Local installations have been updated with data by offline data files generated via holdings information (items) stored in the central database. By migrating towards ALEPH 500 in 2000 these data models had to be kept until online replication mechanisms were available.

- Currently, the central ALEPH database is in the process of migrating from version 12.3 to 16.02.

Academic Libraries:
- 18 Universities
- 17 Univ Appl Sciences, Schools of Music and Art
- 4 Dept Libraries
- 3 State Libraries
- 6 Special Acad Libraries
- 4 Public Libraries
- 5 Campuses with ~821 Institute Libs (CopyCat)

Local Installations:
- 17 SISIS
- 16 ALEPH 500 V. 14.2
- 5 Babsy Circulation
- 1 Horizon
- 1 Bibliotheca 2000
- ~250 Allegro-NW

Database statistics (Dec 2003)
- 12,500,000 title records
- 6,300,000 authority records
- 850,000 subject headings
- 50,000,000 holdings and items
- **72,000,000 total**

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Flow of data ALEPH 500 12.3: April 2000 – 2001

Various resources of data

HBZ consortium catalog (ALEPH 12.3)

German National Library (DDB)
- **Authority data**
- **Bibliographic data**

Offline-Import

Titles

Holdings/Items

Authority data

Z39.50 databases
- **Titles of DDB**
- **other consortiums**

Z39.50

Titles, Holdings/Items

ALEPH 12.3 clients for cataloging staff of the HBZ consortium

A) Cat-Download: Titles, Holdings/Items

immediately

B) Offline-Export:

Off-line: delayed

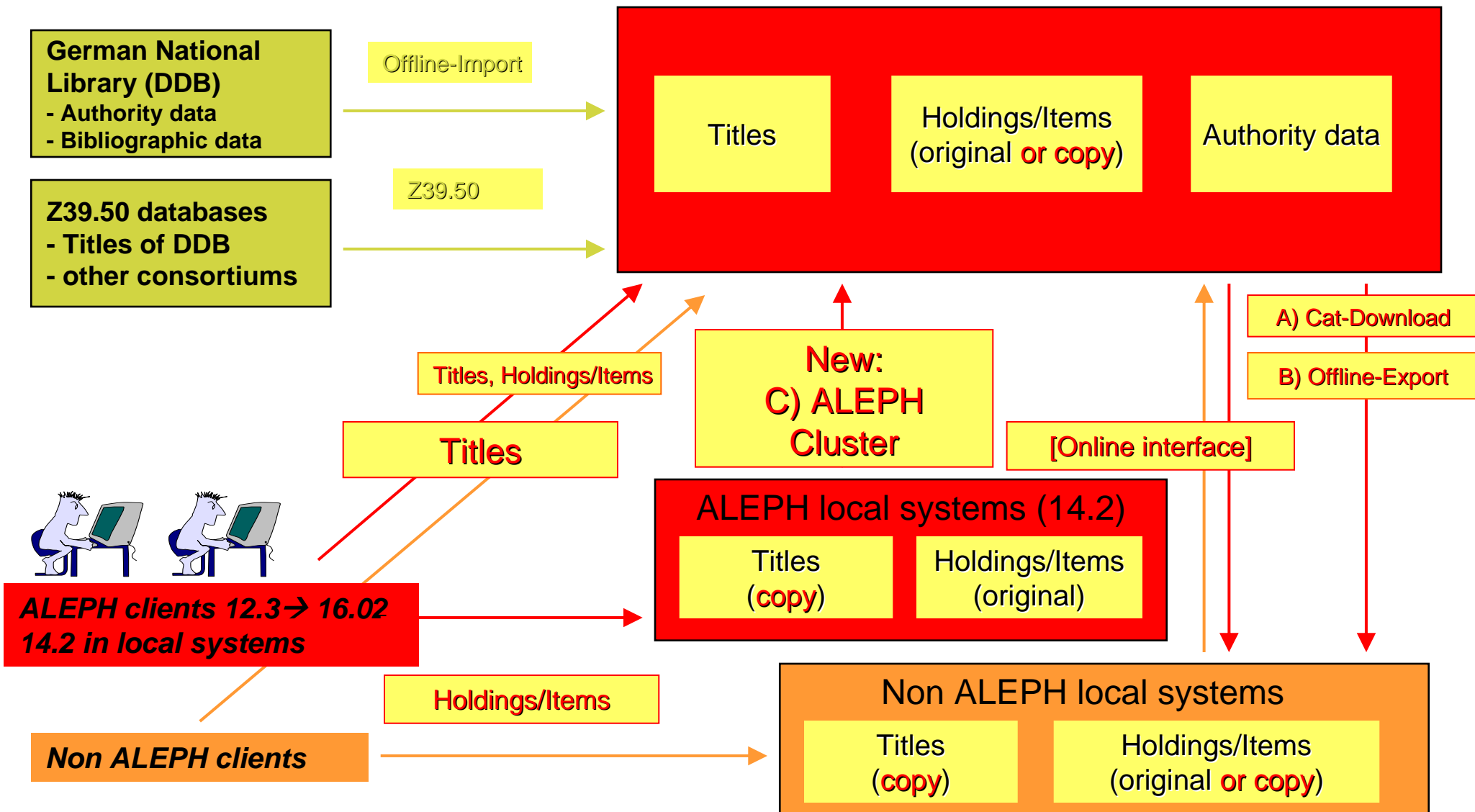Local Non-ALEPH library systems

Copy of titles

Copy of holdings/items

Flow of data ALEPH 500 12.3 / 16.02: 2002 – 2004

Various resources of data

HBZ consortium catalog (ALEPH 12.3→16.02)

German National Library (DDB)
- **Authority data**
- **Bibliographic data**

Offline-Import

Z39.50

Z39.50 databases
- **Titles of DDB**
- **other consortiums**

Titles

Holdings/Items
(original **or copy**)

Authority data

Titles, Holdings/Items

A) Cat-Download

B) Offline-Export

**New:
C) ALEPH
Cluster**

Titles

[Online interface]

ALEPH local systems (14.2)

Titles
(copy)

Holdings/Items
(original)

**ALEPH clients 12.3→ 16.02
14.2 in local systems**

Holdings/Items

Non ALEPH local systems

Non ALEPH clients

Titles
(copy)

Holdings/Items
(original **or copy**)

New and Innovative Services of HBZ Consortium

- **Automated interlibrary loan systems** and integrated document delivery services have been established as part of the information portal Digitale Bibliothek. These services are interconnected via interfaces with the other library networks in Germany. The portal Digitale Bibliothek is an end user service providing access to library catalogs, information databases, digital information (electronic journal articles, electronic documents), and document delivery for electronic and paperbound materials.

- **Information portals for a subject related group of libraries:** e.g. music libraries. This project includes subsets of bibliographic data as a union catalogue of music libraries in our network. The portal will be developed using the tools of the Digitale Bibliothek.

- **Providing applications for local library systems (ASP):** Smaller libraries cannot efficiently run their own local library system, because they simply do not have the staff to spare to administer it. By providing a centralised, standardized local library system for multiple libraries, the library can decide which modules it will want to use and subscribe to these services. (Operated on ALEPH 500 V. 14.2.)

- **Providing cataloging in non-Latin scripts** for libraries dealing with materials from China, Japan, and Korea. This project will be developed based upon Unicode and the well established functionalities of ALEPH for scripts other than Latin.

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Address and Links

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- Web-Server of HBZ: www.hbz-nrw.de
- ALEPH project at HBZ: www.hbz-nrw.de/produkte_dienstl/aleph500/aleph.html
- Online-Interface: www.hbz-nrw.de/produkte_dienstl/schnittstelle/ schnittstelle.html
- Digitale Bibliothek: www.hbz-nrw.de/produkte_dienstl/DigiBib
- Automated ILL: www.hbz-nrw.de/produkte_dienstl/digibib/fernleihe/fernleihe.html

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