Digital times, but libraries running out of space:
New library constructions and storage solutions
in Germany and Bavaria

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Introduction

- Overflowing stacks - Libraries running out of space

- Books and digital media under one roof - Construction Challenges of the "Hybrid library"
Overview

• 1. Chapter: Introductory remarks

• 2. Chapter: Survey of remarkable new buildings and reconstructions in the former East German Territory

• 3. Chapter: National and Regional Storage solutions
Characteristics of the German Academic Library System

- Library are primarily publicly funded
- "Virtual National Library"
- Regional Library Networks
- National Network of Special Subject Collections
III. Modern Library buildings – examples from the new states of Germany

1. The Initial Situation
2. A New Beginning with Reunification
3. Prominent examples
   - University Library at Leipzig
   - Saxon State Library
     National and University Library of Dresden
   - University Library at Magdeburg
1. The Initial Situation

Ruins in Dresden, 1945
1. The Initial Situation

Year of Construction of University Library Buildings:

**New Federal States (East):**
- 50% built before 1990
- 25% built between 1900 and 1945
- 25% built after 1950

**Old Federal States (West):**
- 10% built before 1949
- 90% built after 1950
2. A New Beginning with Reunification

Mecklenburg-West Pomerania
Brandenburg
Berlin
Saxony-Anhalt
Saxony
Thuringia
2. A New Beginning with Reunification
3. Prominent Examples

- Magdeburg
- Leipzig
- Dresden
**Basic data on the Library 2000:**

**Collection**
- total volumes: 4,828,239
- Current periodical titles: 8,697

**Budget for Literature incl. binding (DM):** 7,441,775

**Lending and reference Library:**
- number of Libraries: 43
- number of Users: 42,407
- number of Students: 23,035
- number of volumes loaned: 832,446
- Days open annually: 292
- Hours open weekly: 79

**Personnel (Positions):** 170
„A Stairwell reborn“
The University Library at Leipzig

monumental stairwell
The Restoration:
University Library of Leipzig - rebuilding
The outer and inner rebuilding of the University Library of Leipzig

UB Leipzig - Wiederaufbau
Claudia Täschner, Ekkehard Henschke: Der äußere und innere Wiederaufbau der Universitätsbibliothek Leipzig

The planning of the rebuilding of the Library by HJW & Partner, sectional perspective
The restoration and modernization since 1990:

Reading room
The restoration and modernization since 1990:

Seats for reading
The restoration and modernization since 1990:

Open shelves

stackroom
The restoration and modernization since 1990:

Central issue desks
Basic data on the Library 2000:

Collection:
- total volumes: 4,224,536
- Current periodical titles: 13,995

Budget for literature incl. binding (DM):
- 12,181,359

Lending and reference Library:
- number of Libraries: 16
- number of Users: 55,761
- number of students: 27,320
- number of volumes loaned: 1,738,955
- Days open annually: 300
- Hours open weekly: 68

Personnel (Positions):
- 405
New building of the SLUB Dresden
Abbildung 4: Der große Lesesaal
Technical data on the new building

Architects:
Ortner & Ortner Baukunst, Vienna/Berlin

Main area of use: roughly 323,000 square feet

Capacity:
- Shelf space for a total of 4,350,000 volumes
- including open access for 900,000 volumes
- and stacks space for 3,450,000 volumes

Users Workspaces:
- 900
  - including PC-workspaces 125
  - Carrels 46
  - group workspaces 103
Basic data on the Library 2000:

Collection:
- total volumes: 987,492
- Current periodical titles: 3,664

Budget for literature incl. binding (DM):
- 7,007,147

Lending and reference Library:
- number of Libraries: 3
- number of Users: 20,007
- number of students: 8,408
- number of volumes loaned: 765,165
- Days open annually: 298
- Hours open weekly: 52

Personnel (Position):
- 80
Municipal architectural concept:
Architectural concept
Storage solutions

1. Regulations of Archiving

- Legal Deposit Laws
- Special Collection Obligations
- Collection inherent reasons
Storage solutions on a national level - The space situation of the DDB

- Frankfurt - The new building
- Leipzig - The planned reconstruction and extension of the existing building
Storage solutions on a national level – The space situation of the DDB
Storage solutions on a national level – The space situation of the DDB
Frankfurt – Basic construction figures

- 47,000 qm main usable space (shelves, user work places, staff rooms etc.)
- 30,000 qm shelf area distributed on 3 floors for 18 million volumes
- 10,000 qm underground car park usable as shelf area extension
- 3,200 qm main reading room with 350 user workplaces
- Separate multimedia reading room
- Conference center (520 qm and 400 places)
- Cafeteria/restaurant
- Comfortable staff offices
Erdgeschoss

1 Reitende
2 Lesesaal
3 Rektorma
4 Ausstellung
5 Restaurant
6 Küche
7 Büchereingang
8 Suchfördereinricht
9 Hausmeisterwohnung

Bibliotheksgarten
Leipzig – Deutsche Bücherei
Storage Solutions on a Regional Level

The guidelines of the German Council of Science
(Wissenschaftsrat)

- Regional Storage Concept
- Setting up of a "storage library"
- "Controlled Collection Development"
- Deacquisition Policy
The Case of Bavaria

- The Bavarian Library System – Structures and Characteristics with reference to the storage concept

- The Bavarian Archiving and Storage Concept

- The Storage Library at Garching

- The Regional “Stack Site” at Regensburg
Bavarian Book Transport System (BAB)
Development of Deacquisition Figures in the Bavarian University Libraries
Regional storage concept of Bavaria
BSB - main building
BSB - main building
The Storage Library at München/Garching

- Space for 8 million volumes – realisation in 4 segments
- Finished first segment: 7,000 qm shelf area for 2.5 million volumes
- Four-storey building with optimized shelving
- Ideal book conservation conditions
Speicherbibliothek Garching (Planung für 2. Bauabschnitt)
University Library of Regensburg
Central Library – Longitudinal Section
The Regional „Stack Site” at Regensburg

- Extension of the local university library stack area

- Two-storey underground construction (4,400 qm shelving area - 1.35 million volumes)

- Modern cargo terminal for the BAB
Regional Stack Site - Longitudinal Section
Regional Stack Site – Facade
Regional Stack Site - Cargo Terminal with Roofed Van Space
Regional Stack Site - Compact Shelf Area
Regional Stack Site - Cargo Terminal Inside
Regional Stack Site - BAB in Action
Conclusion

• Library construction is still an issue in „virtual times“

• Hybrid Library requires a new approach to functionality and architectural aesthetics

• Storage solutions in Germany/Bavaria – tendency towards a pragmatic approach