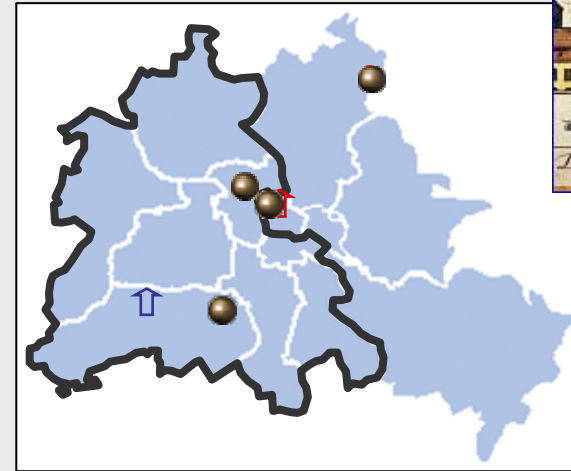
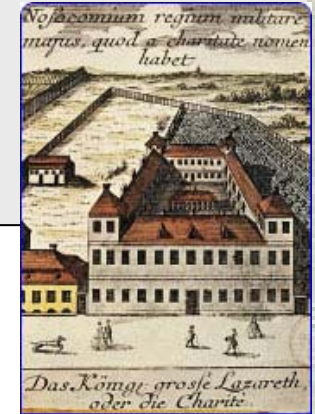


**To Arrange the Window -
the Creation of an
Integrated Local View
on Information Diversity**

**Dr. Lothar Nunnenmacher
Medizinische Bibliothek
Charité – Universitätsmedizin Berlin**

Charité - Universitätsmedizin Berlin

- founded in 1710
- now 4 sites
- medical school of two universities (FU Berlin and HU Berlin)
- mergers 1995, 2003
- state budget cut ca. 33 % (until 2010)
- 11.000 FTEs
- 2.200 clinicians and scientists
- 7.500 students
- 3.200 beds

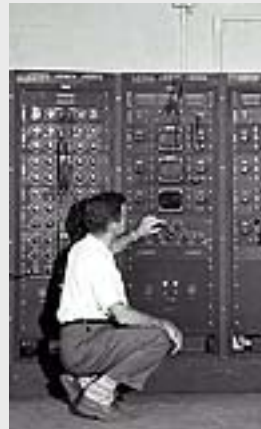


Medizinische Bibliothek - Medical Library

- 3 sites
- 5.300 m² (public: 3.000 m²)
- 300 reading places, 40 PCs
- 40 FTEs staff
- 22.000 text book collection,
80.000 monographs,
300.000 journal volumes,
1.550 current journal subs.
- budget: 4.3 Mill. EUR
(2 Mio staff, ca. 2,3 Mio acquis.)
- 142.000 loans (2005)



The screen is changing



SCIENCE NEWS ONLINE
The Weekly Newsmagazine of Science
Vol. 159, No. 17, 2001, p. 262

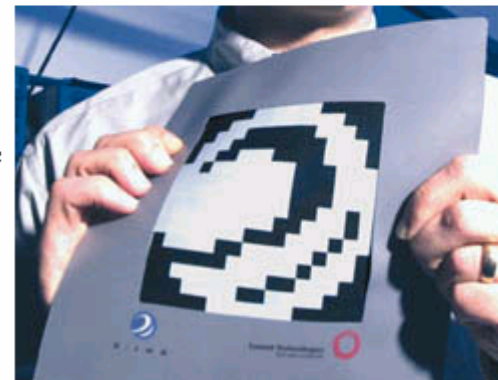
SCIENCE
SERVICE

New device opens next chapter on E-paper

By Jessica Gorman

Imagine folding up today's newspaper only to unroll it tomorrow and find tomorrow's news. Now, researchers have made a plastic electronic material that could make such fantasies come true.

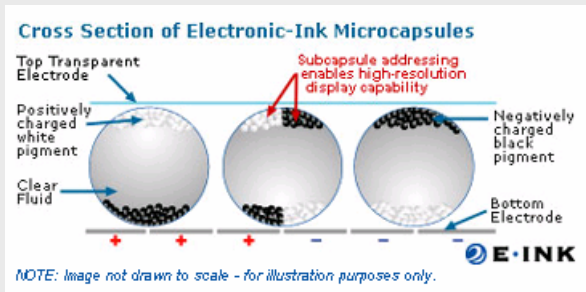
With the debut of electronic ink a few years ago, researchers took a step toward meshing the data-handling power of electronics with the flexibility and convenience of paper. Such inks, developed independently by teams at the Massachusetts Institute of Technology (MIT) in Cambridge and Xerox's Palo Alto Research Center in California, contain particles that change a pixel's color—say, from black to white—when exposed to an electric current (SN: 6/20/98 p. 396)



A battery-powered electronic paper.
Lucent / E Ink

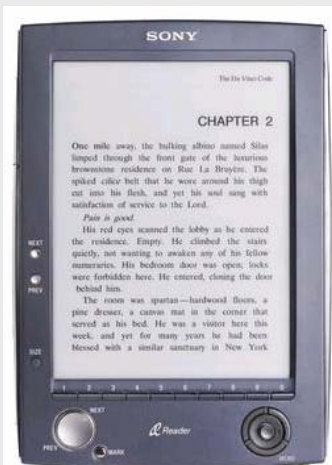
The new screen: e-ink and e-readers

-> Libraries without print?

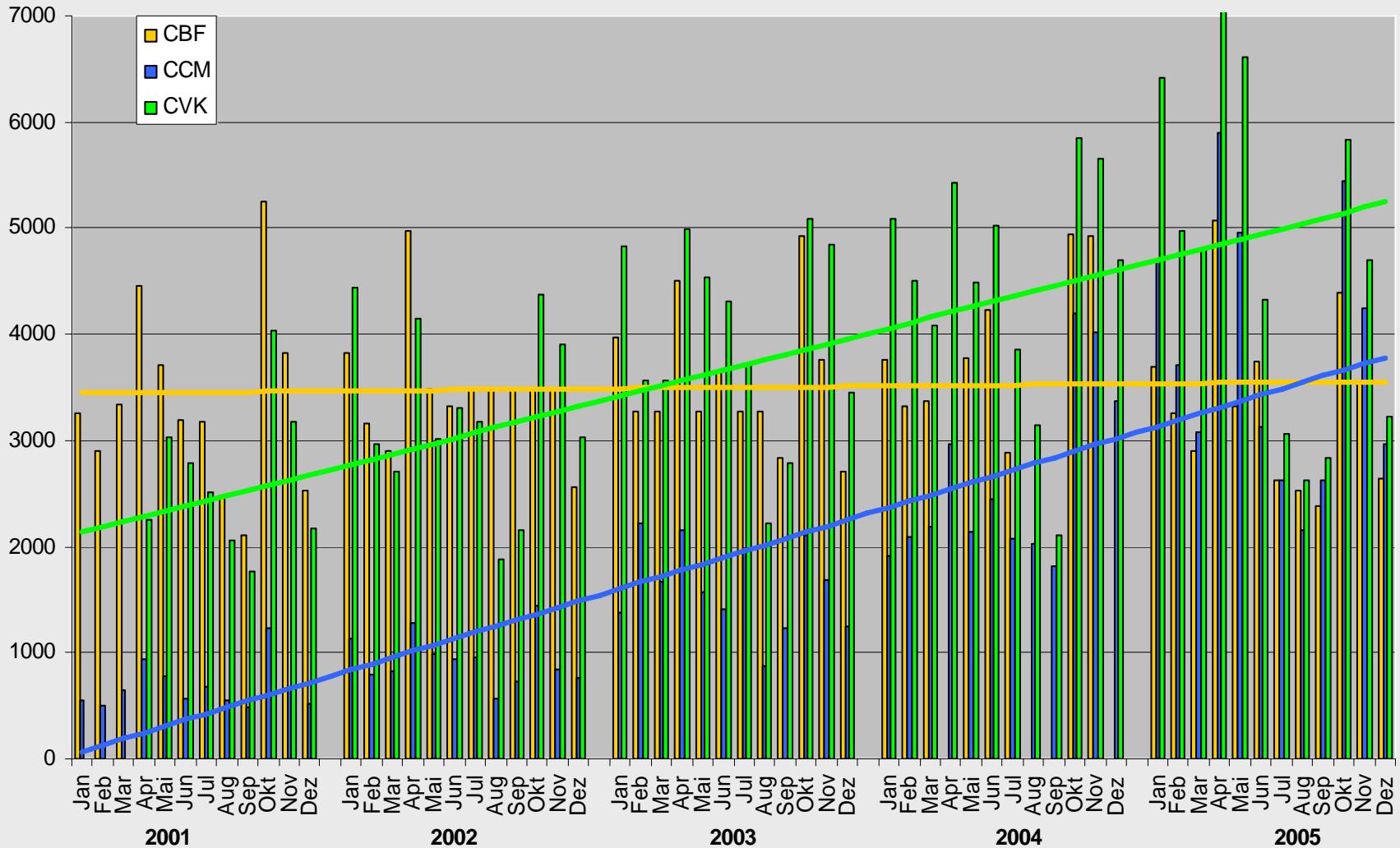


Electronic Reader ER 0100 ("iliad")

Using high brightness reflective Electrophoretic Display Technology



Monthly loans of textbooks



On the other side of the window: What to look at

○ Journals

- ↔ e-journals
- ↔ backfiles available

○ Books

- ↔ reference works online
- ↔ online access to other books
- ↔ first learning textbooks online
- ↔ digitalisation projects

○ Other media

- ↔ pictures get digital
- ↔ audio (MPS!), video
- ↔ mixed e-media

○ Data

○ Web resources

UNIVERSITY OF HEIDELBERG
Medical Library

MEDICAL FACULTY OF MANN
HOME HELP CONTACT DEU

KELDAmed


Direct search: all medical specialties + all media types

◆ Icon Caption

	animation	in most cases moving images demonstrating certain facts
	eBook	electronic book in a pdf- or html-version
	pictures	richly illustrated text or image database
	film-documents	digital movies i.e. medical documentation, handbooks - but also sonographic or MRT-recordings etc.
	audio-documents	i.e. records or respiratory sounds or heart murmurs
	test questions	for the most part those would be multiple-choice questions, some resources also offer even more interactive questions
	case collection	case presentations where you are provided with the history and records of a specific patient

KELDAmed (Vers.: 2.02a) © 2006, H.Schoppmann Visitors: 69677 UREA powered by

Mixed e-media for e-learning



UNIVERSITY OF HEIDELBERG
Medical Library








MEDICAL FACULTY OF MANNHEIM


HOME HELP CONTACT DEU

KELDAmед

Direct search:

• **Icon Caption**

-  animation
-  eBook
-  pictures
-  film-documents
-  audio-documents
-  test questions
-  case collection




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Enrollment	Date Available	Expires
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Various media -> How to search?



books

journals

Google Web Images Groups News Froogle Maps
helicobacter

Web

The Helicobacter
Dedicated to peptic ulcer diagnosis, treatment
www.helicobacter.com

Ulcer, Home Helicobacter
A peptic ulcer is caused by the bacterium Helicobacter pylori (the first ...)
www.cdc.gov/od/oc/oh/helicobacter.htm

Google Images Web Images Groups News Froogle Maps
helicobacter
Moderate SafeSearch is on

Google Scholar BETA
helicobacter

Scholar

Google Book Search BETA
Web Images Groups News Froogle Maps
helicobacter
Search: All books Full view books

Book Search Books 1 - 10 with 12100 pages

Helicobacter Pylori - Page xiii
by Yoshimasa Yamamoto, Paul S Hoffman, Herman Friedman - Medical - 2001 - 308 pages
The Bacteriology of **Helicobacter pylori** PAUL S. HOFFMAN 1. Introduction
Related Species of **Helicobacter** ... 3 3. Life in the Gastric Mucosa ... 3 4. ...
[Limited preview](#) - [All matching pages](#)

Helicobacter Pylori Infection in Childhood - Page iii

Helicobacter
2001
1404 x 969
134k
www.ford.com

Eradication combining c
T Lind, S Velc
Helicobacter
combining orn
www.ford.com
Cited by 319

Treatment c
RW van der H
Helicobacter
a review of the

Integration of different media

-> is possible!

The image shows two overlapping web pages. The top page is the Wellcome Library website, featuring the logo 'WELLCOME LIBRARY' and 'wellcome trust'. It has a navigation menu with items like 'Home', 'News', 'Sitemap', 'Contact', 'About us', 'Feedback', and 'Join the Library'. Below the menu is a breadcrumb trail: 'Home > Catalogues'. The bottom page is the NCBI Entrez search engine interface. It features the NCBI logo and the text 'Entrez, The Life Sciences Search Engine'. There are navigation tabs for 'HOME', 'SEARCH', 'SITE MAP', 'PubMed', 'All Databases', 'Human Genome', 'GenBank', and 'Map'. A search bar is present with 'GO' and 'CLEAR' buttons. Below the search bar, it says 'Welcome to the Entrez cross-database search page'. A grid of database icons and descriptions is displayed, including PubMed, Books, OMIM, OMIA, Nucleotide, Protein, Genome, Structure, Taxonomy, SNP, UniGene, CDD, 3D Domains, UniSTS, PopSet, and GEO Profiles.

WELLCOME LIBRARY

wellcome trust

Home | News | Sitemap | Contact | About us | Feedback | Join the Library

Using the library | Catalogues | Electronic resources | Collections | Exhibitions | Projects | Schools

Home > Catalogues

Simple Word | Advance

Quick catalogue s

Use this form to do a search across the tabs above.

WORD

Entire Catalogue

History of Medicine

Science & Society

Moving Image & Sound

Books & Journals

Pictures

Asian Collection

Journal Titles

Entire Catalogue policy.

NCBI

Entrez, The Life Sciences Search Engine

HOME | SEARCH | SITE MAP | PubMed | All Databases | Human Genome | GenBank | Map

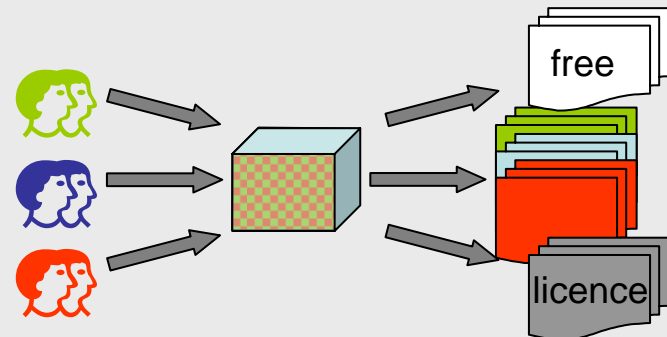
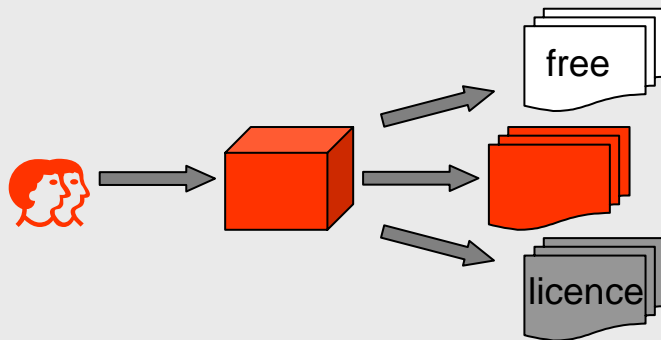
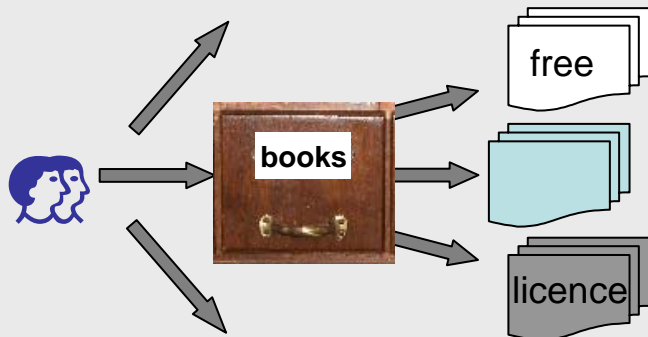
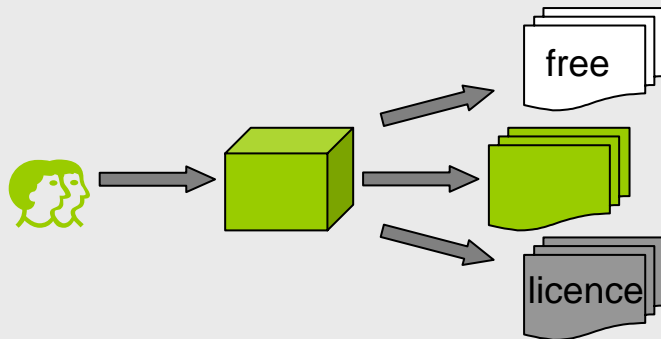
Search across databases

GO CLEAR Help

Welcome to the Entrez cross-database search page

- PubMed: biomedical literature citations and abstracts
- Books: online books
- PubMed Central: free, full text journal articles
- OMIM: online Mendelian Inheritance in Man
- Site Search: NCBI web and FTP sites
- OMIA: online Mendelian Inheritance in Animals
- Nucleotide: sequence database (GenBank)
- UniGene: gene-oriented clusters of transcript sequences
- Protein: sequence database
- CDD: conserved protein domain database
- Genome: whole genome sequences
- 3D Domains: domains from Entrez Structure
- Structure: three-dimensional macromolecular structures
- UniSTS: markers and mapping data
- Taxonomy: organisms in GenBank
- PopSet: population study data sets
- SNP: single nucleotide polymorphism
- GEO Profiles: expression and molecular abundance

Integrate media - and integrate catalogs



Integration of catalogues

- **Union catalogue**
 - ↪ listing of holdings
- **Data transfer**
 - ↪ union catalogue -> local
- **Local availability with linking tool**
 - ↪ LinkOut in PubMed,
 - ↪ Link resolvers
- **Local view on integrated database**
 - ↪ EZB
- **Benefits of catalogue integration**
 - ↪ Maintenance of database
 - ↪ Bibliographic data
 - ↪ Open access (!)
 - ↪ Knowledge exchange

Elektronische Zeitschriftenbibliothek CHARITÉ

Medizinische Bibliothek der Charité

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[Hilfe](#)

Zeitschriften Suchresultate

Electronic Journals Library

National Library of the Czech Republic, Prague

Our Service | Preferences | [Administration](#)

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Journals Search results

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Library of Congress, Washington, DC

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Journals

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Quick Search

Journal title

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[Contact address](#)
[Suggest a journal](#)

Search results

47 hit(s)
[Refine Search](#)

Information about the journal (e.g. access restrictions)

Fulltext articles are ...

- freely available
- accessible if you are using a computer with an authorized IP address within the domain of the Library of Congress
- not accessible

[American Journal of Infectious Diseases](#)

[Antimicrobics and Infectious Diseases Newsletter](#)

[BMC Infectious Diseases](#)

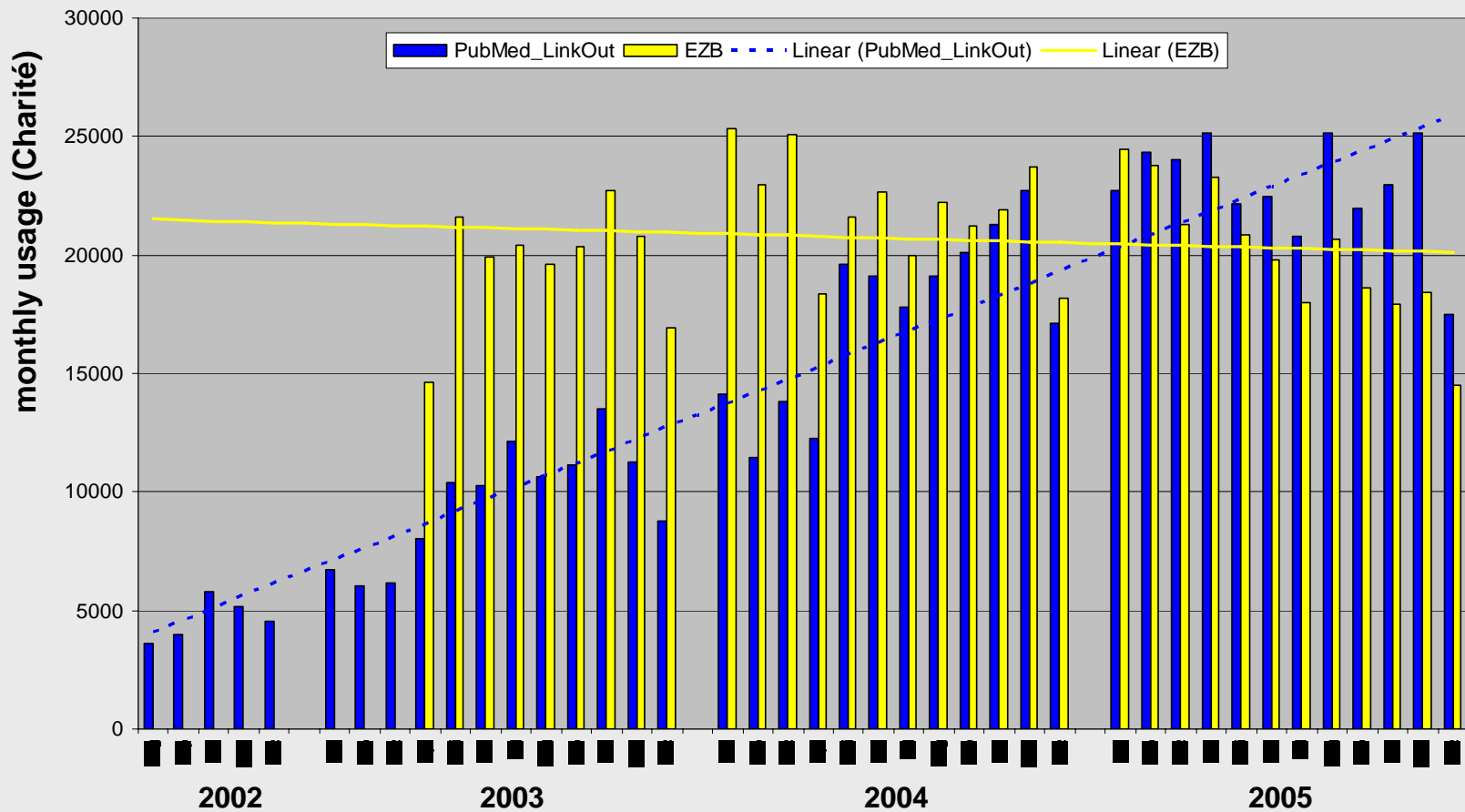
[Brazilian Journal of Infectious Diseases](#)

[Canadian Journal of Infectious Diseases & Medical Microbiology, The / Journal Canadien des Maladies Infectieuses et de la Microbiologie Médicale \(formerly: Canadian Journal of Infectious Diseases\)](#)

public
acts)

ses : JIC

Searching is shifting from title to article level



Metasearch and local availability

Elektronische Zeitschriftenbibliothek



Medizinische Bibliothek der Charité



MedPilot

Virtuelle Fachbibliothek Medizin

Searching and document ordering made easy - ZB MED and DIMDI

Hits

[About/Privacy](#)

[Search](#) [Hits](#) [Bookmarks \[0\]](#) [Log In](#)

[Contact](#) [Log Out](#)

Sort :

Database : **Medline** Hits : 21587

Already retrieved: [1-10] [[>](#)]

- merge results to one list
- database specific

Your search term

(Free Text = helicobacter)

[Create SDI alert from query](#)

Hits :

Medline	21587
Medline Alert	570
AWMF Guidelines	9
CCMed	343
Cochrane-Reviews (CDJR)	7
Cochrane (DARE)	68
Deutsches Ärzteblatt	266
Hogrefe Publisher Database	24
Karger Publisher Database	186

1. [Clinical significance and outcome of gastric mucosal erosions: a long-term follow-up study.](#)

Toljamo KT; Niemelä SE; Karttunen TJ; Karvonen AL; Lehtola JK

2006

Digestive diseases and sciences, Vol. 51 (3), p: 543-7

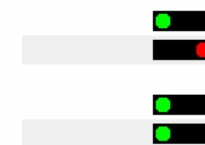
Our purpose was to evaluate the long-term clinical significance of gastric erosions. A series of 117 patients with gastric erosions without peptic ulcer disease, and matched controls were studied in 1974-1979. All available subjects were reinve...



AVAILABLE?



igeschaltet
meist frei)



2. [Factors associated with the development of reflux esophagitis after Helicobacter pylori eradication.](#)

Tsukada K; Katoh H; Miyazaki T; Fukuchi M; Kuwano H; Kimura H; Fukai Y; Inose T; Motojima T; Toda N; Yamada S

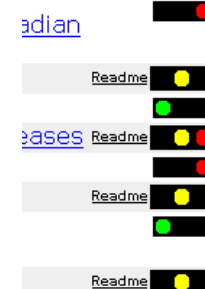
2006

Digestive diseases and sciences, Vol. 51 (3), p: 539-42

We investigated whether Helicobacter pylori (HP) eradication increases the incidence of reflux esophagitis (RE) in patients with peptic ulcers. From 2001-2005 consecutive out patients with peptic ulcers and HP received eradication and were foll...



AVAILABLE?



Integration in professional workflows

○ Academics

- ↪ Integration of services
- ↪ e.g. Learning management systems
- ↪ Portal systems

○ Clinics:

- ↪ bedside reference
- ↪ patient record

○ and many others ...



The screenshot shows the Blackboard LMS interface. At the top left is the University of Nottingham logo. The main header includes 'Blackboard das Learning Management System der Freien Universität Berlin' and navigation tabs for 'ALLGEMEIN', 'STUDIERENDE', and 'LEHRENDE'. The left sidebar contains 'Personal Announcements', 'Channel List', and 'Recently Published Channels'. The main content area displays a welcome message for 'Lehrende' (Instructors) and information about the LMS integration with Charité - Universitätsmedizin Berlin.

The University of Nottingham

Blackboard
das Learning Management System
der Freien Universität Berlin

Home My School

Personal Announcements
You currently have no

Channel List
Recently Published Channels
My Research
eLibrary Gateway
Portal Announcements

Login Blackboard
Materialien
FAQ Lehrende
Schulungen (FU Berlin)
Schulungen (Charité)
Nutzungsbedingungen
Kursregistrierung für Lehrende der FUB
Kursregistrierung für Lehrende der Charité

ALLGEMEIN STUDIERENDE LEHRENDE

Home » Lehrende

Willkommen im Learning Management System (LMS) der Freien Universität Berlin!


In Kooperation mit der Charité - Universitätsmedizin Berlin.
e-Learning auch für meinen Kurs?

Als Lehrende/r an der Freien Universität Berlin oder an der Charité - Universitätsmedizin Berlin haben Sie die Möglichkeit, zur Ergänzung der Präsenzlehre das zentrale Learning Management System (LMS) Blackboard einzusetzen. Sie können damit Lehrmaterialien für Ihre Studierenden online zur Verfügung stellen, Tests, Umfragen oder Übungen anbieten, auf verschiedenen Wegen mit Kursteilnehmern kommunizieren und viel mehr.

Search

Information overload?

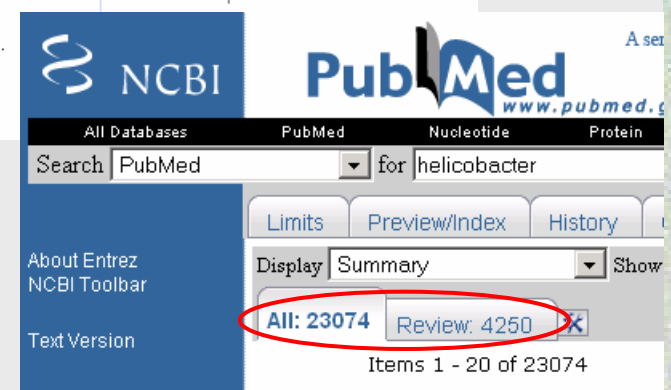
- **Example:**
Helicobacter pylori
- **Google:**
 - ↪ about 6.590.000 hits
- **PubMed:**
 - ↪ 23.074 hits
 - ↪ 4.250 reviews
- **Therapy in PubMed:**
 - ↪ 9.194 hits
 - ↪ 2.409 reviews
- **Reference works:**
 - ↪ 1 hit



Google Web Images Groups News Froogle Maps more »
Search helicobacter Search Advanced Search Preferences

Web Results 1 - 10 of about 6,590,000 for helicobacter (0.07 seconds)

The [Helicobacter Foundation](#)
Dedicated to providing latest information about **Helicobacter pylori**, its diagnosis, treatment and...
[www.helico.com/](#) - 2k - 17 May 2006 -
Cached - [Similar pages](#)



Sponsored Links

NCBI PubMed [www.pubmed.gov](#)

All Databases PubMed Nucleotide Protein


Search PubMed for helicobacter

Limits Preview/Index History

Display Summary Show

All: 23074 Review: 4250

Items 1 - 20 of 23074



View Copyright Statement | Purchase Print Copy

5-Minute Infectious Diseases Consult

> Table of Contents > SECTION II - SPECIFIC INFECTIONS AND DISEASES > He

Search: Current Book All

Family Syndrome

- [-] **Helicobacter pylori Infection**
- [+] Basics
 - Clinical Manifestations
- [+] Diagnosis
- [-] Treatment

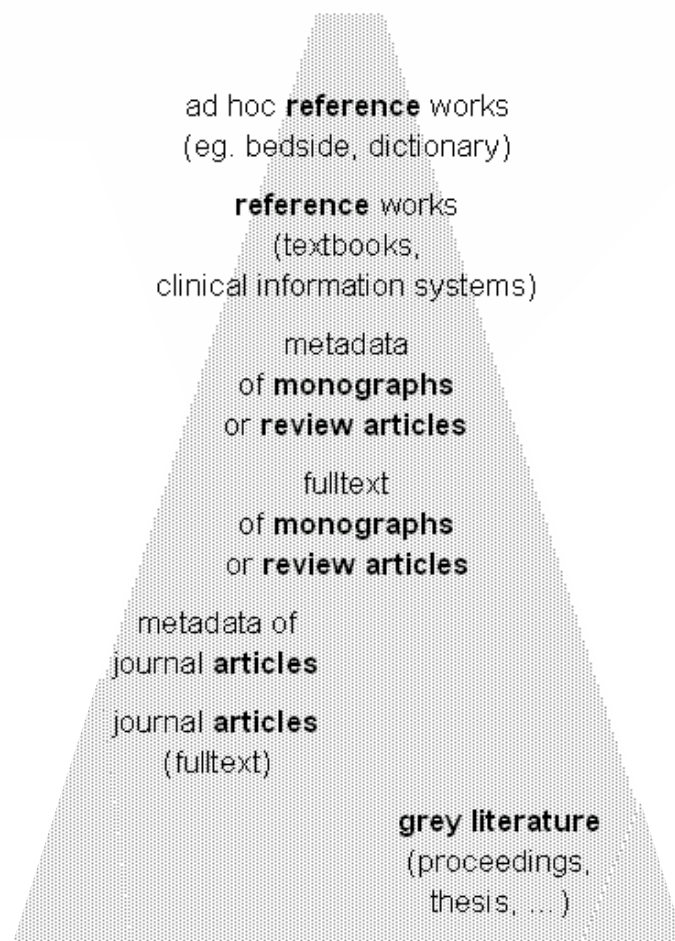
Helicobacter pylori

Basics

DEFINITION

All information is equal?

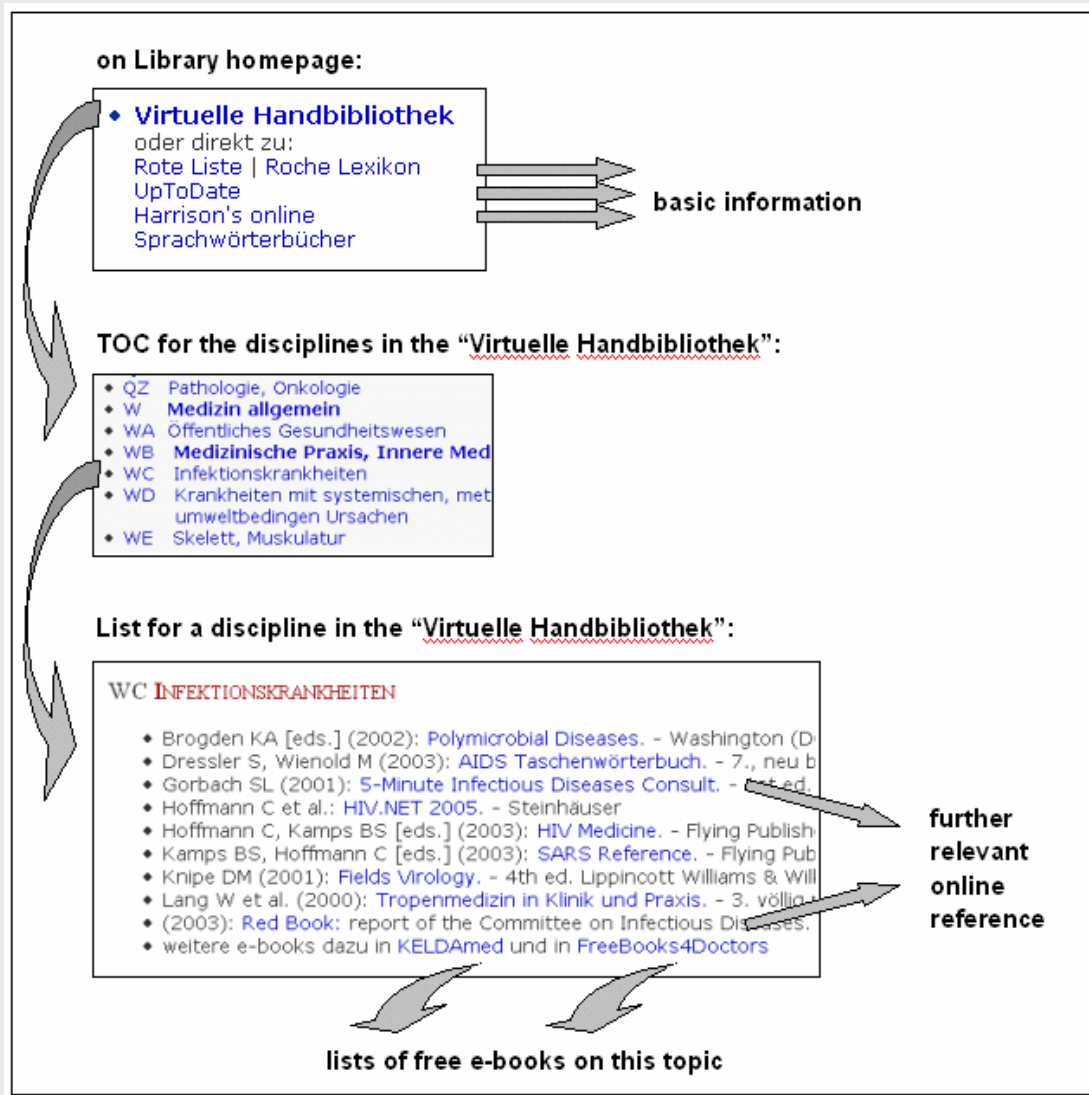
comprehensiveness / profundity



categories

Hierarchical guidance to reference works

○ ... at our library:



Draft for an integrated local search

○ Local „Search Centre“

↳ with expanded options

Search:

Search or Meta-search

- reference works
- book title
- journal title
- journal article
- Charité phone book
- LEO Eng-Ger
- Wikipedia
- Google

Discipline:

Medicine

↳ get more options

Search:

<input type="checkbox"/> titles / metadata of	<input type="checkbox"/> full text of	<input type="checkbox"/> AV media	<input type="checkbox"/> Charité	<input type="checkbox"/> other
<input type="checkbox"/> reference works	<input type="checkbox"/> reference works	<input type="checkbox"/> pictures	<input type="checkbox"/> phone book	<input type="checkbox"/> fact databases
<input type="checkbox"/> books	<input type="checkbox"/> books	<input type="checkbox"/> videos	<input type="checkbox"/> web	<input type="checkbox"/> impact factor
<input type="checkbox"/> journals	<input type="checkbox"/> journals	<input type="checkbox"/> audio	<input type="checkbox"/> forms	<input type="checkbox"/> <u>Google</u>
<input type="checkbox"/> articles <input type="text" value="all database"/>	<input type="checkbox"/> articles	<input type="checkbox"/> mixed e-media	<input type="checkbox"/> supplies	<input type="checkbox"/> <u>Wikipedia</u>
<input type="checkbox"/> guidelines	<input type="checkbox"/> guidelines	↳ more	<input type="checkbox"/> publications	<input type="checkbox"/> LEO Eng-Ger
<input type="checkbox"/> thesis	<input type="checkbox"/> thesis		<input type="checkbox"/> pat. handouts	<input type="checkbox"/> phone book (D)
<input type="checkbox"/> inst. repositories	<input type="checkbox"/> inst. repositories		<input type="checkbox"/> data server	<input type="checkbox"/> public traffic
↳ more	↳ more		↳ more	↳ more

... and limit to:

publication type	holdings at ...	authors affiliation	publication date
<input type="checkbox"/> reviews	<input type="checkbox"/> <u>Charité</u>	<input type="checkbox"/> <u>Charité</u>	<input type="checkbox"/> last <input type="text"/> days
<input type="checkbox"/> clinical trials	<input type="checkbox"/> <u>Berlin</u>	<input type="checkbox"/> <u>Berlin</u>	<input type="checkbox"/> date
<input type="checkbox"/> case studies	<input type="checkbox"/> online available	<input type="checkbox"/> Germany	
<input type="checkbox"/> patient information	<input type="checkbox"/> open access	↳ more	
↳ more	↳ more		

Tutorial

Personalize it

Results page

- Arrangement in tabs might be helpful (see e.g. PubMed)

- Ranking!
„sort by relevance“

- Enable sorting by users

- Search refinement

ClinicalResource@Ovid

CLINICAL SEARCH | DRUG INFORMATION | GUIDELINES | PATIENT HANDOUTS | BOOKS

Search Results: helicobacter

MDConsult
Core Service

Home | Clinics | Books | Journals | Drugs | News | Current Practice | Patient Handouts | Student Union | CME

Search [All Sections] For [] With [Any] Focus [Go] Advanced S

Advanced Search

Search Query [] Search Tips [] 3 [Helicobacter pylori in children and adolescents.](#) Chelimsky G -

Display [Summary] Show [20] Sort by [] Send to []

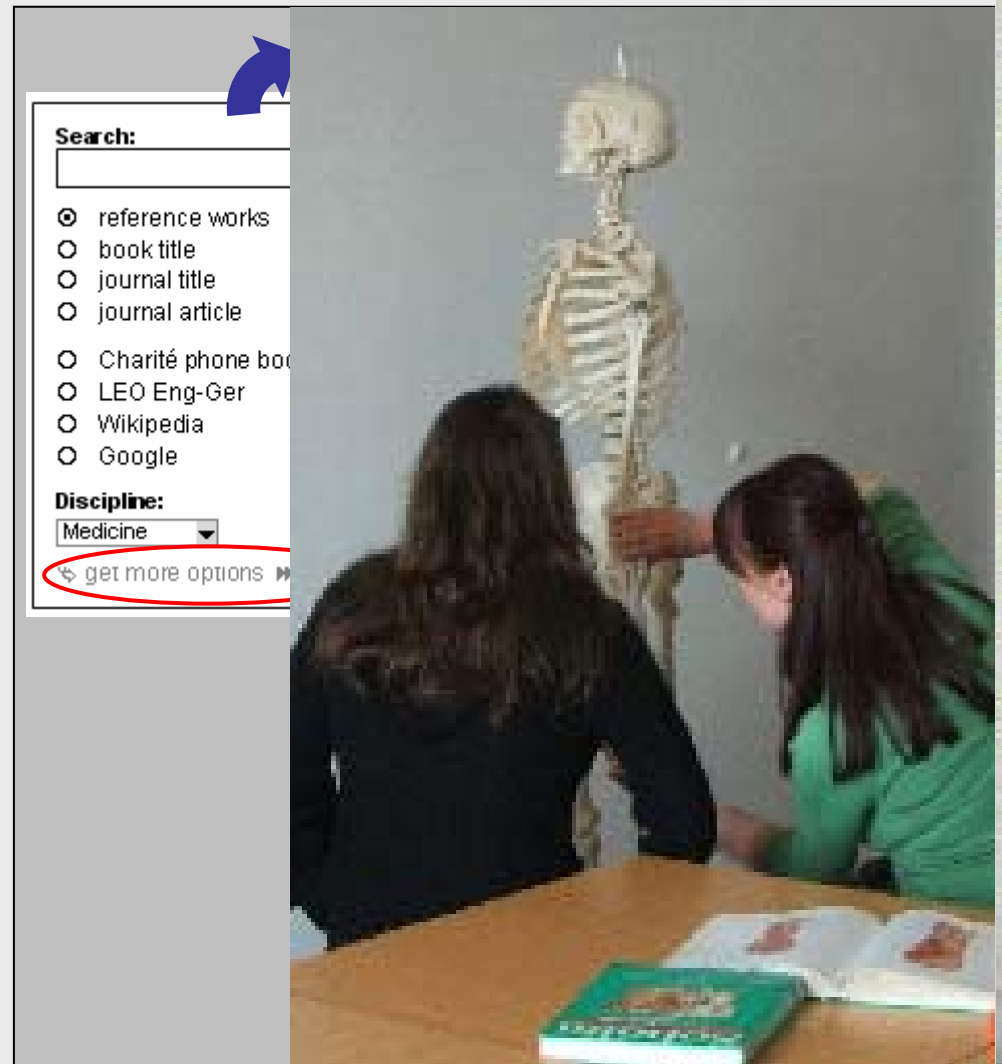
All: 23074 Charite holdings: 16627 Clinical Trial: 2072 Published in the last 3 months: 339 Review: 4250

Items 1 - 20 of 23074 Page 1 of 1154 Next

- 1: [Liou JM, Lin JW, Huang SP, Lin JT, Wu MS.](#) [Links](#)
Helicobacter pylori infection is not associated with increased risk of colorectal polyps in Taiwanese. Int J Cancer. 2006 May 17; [Epub ahead of print] No abstract available. PMID: 16708392 [PubMed - as supplied by publisher]
- 2: [Leung WK, Man EP, Yu J, Go MY, To KF, Yamaoka Y, Cheng VY, Ng EK, Sung JJ.](#) [Links](#)
Effects of Helicobacter pylori Eradication on Methylation Status of E-Cadherin Gene in Noncancerous Stomach. Clin Cancer Res. 2006 May 15;12(10):3216-3221. PMID: 16707623 [PubMed - as supplied by publisher]

Conclusions

- **Information gets digital**
- **Integration:**
 - ↗ various media types
 - ↗ cooperative catalogues
 - ↗ go to the professional environment
- **Arrange hierarchically, wherever possible:**
 - ↗ Search
 - ↗ Results
 - ↗ Help
- **Prospects:**
 - ↗ Personalisation
 - ↗ Socialisation
 - ↗ Push instead of pull
- ↗ **Libraries are changing**





Thank you for your attention

lothar.nunnenmacher@charite.de

from 1.7.06: [ETH Zürich, nunnenmacher@library.ethz.ch](mailto:nunnenmacher@library.ethz.ch)