Libraries as worldwide infrastructure for information and open access

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October 25 2007

Elmar Mittler

The history
Middle ages

- self sufficient
  - Monasteries:
    - sriptoria

  - Universities
    - professors own and produce books as commentaries, excerpts, and disputations
    - Students got lectures
    - Scribes depending from the university (Bologna, Paris)

The history
# Early printing age

- printing accelarates research communication
  - State of knowledge
  - Libraries need
    - regular budget, professional care
    - Regulated opening ours
    - (*Ottheinrich von der Pfalz*)
  - Libraries have a leading role in the media shift from manuscript to Printed books (Heidelberg, Vaticana)

Mit der zeyt!
Mein Hoffnung steht zu Gott.

The history
16. /18. centuries

- Age of private libraries

  - Naudé: Advis pour dresser une bibliothèque
    - Research value
    - Classified
    - Accessible
    - *Mazarine*

  - Leibniz
    - State institution for research and government
    - Asset of the state
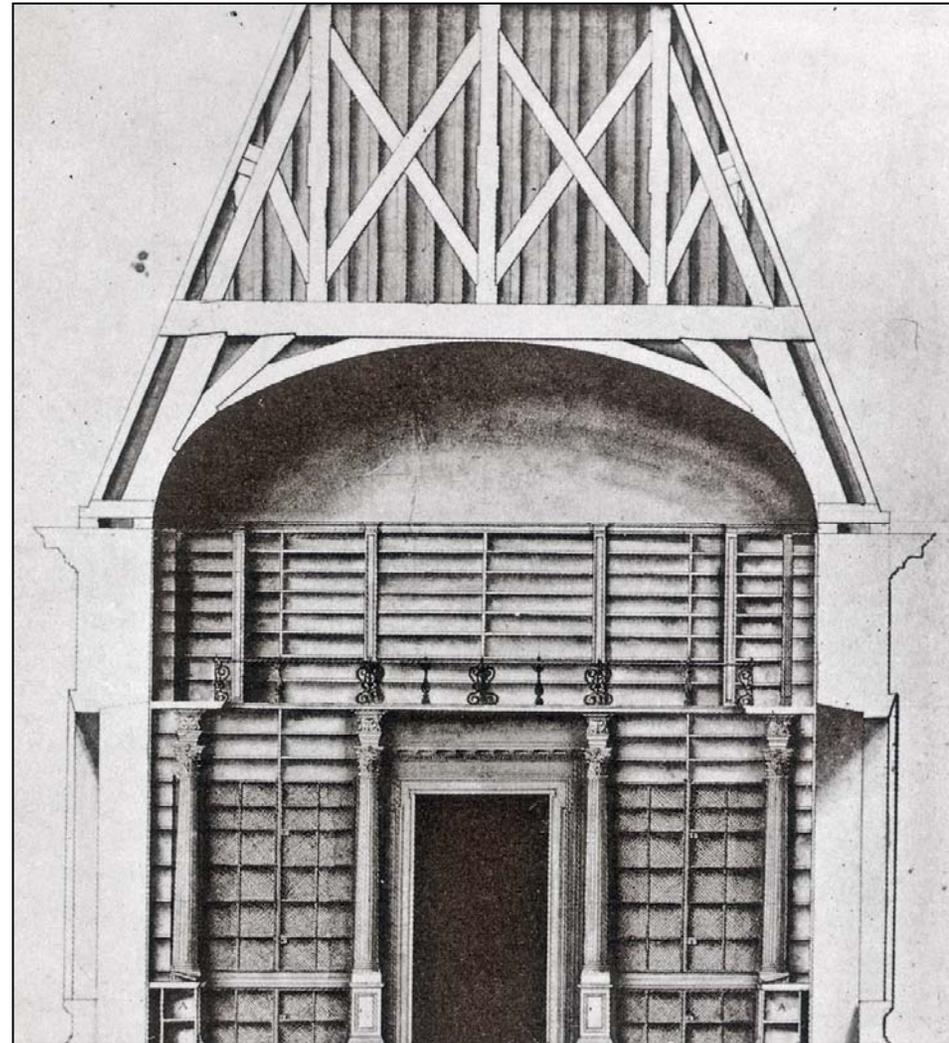
The history
Modern research library

Abb. zu B.6
Christian Gottlob Heyne (1729-1812)

1734 University of Goettingen

- Library as perfect research instrument
- Providing old and new publications showing the progress of knowledge
- Universal acquisition
- Easy access: Classified order with author/title index
- Liberal loan facilities for and students and professors also from outside
- Integration into the research environment (GGA)

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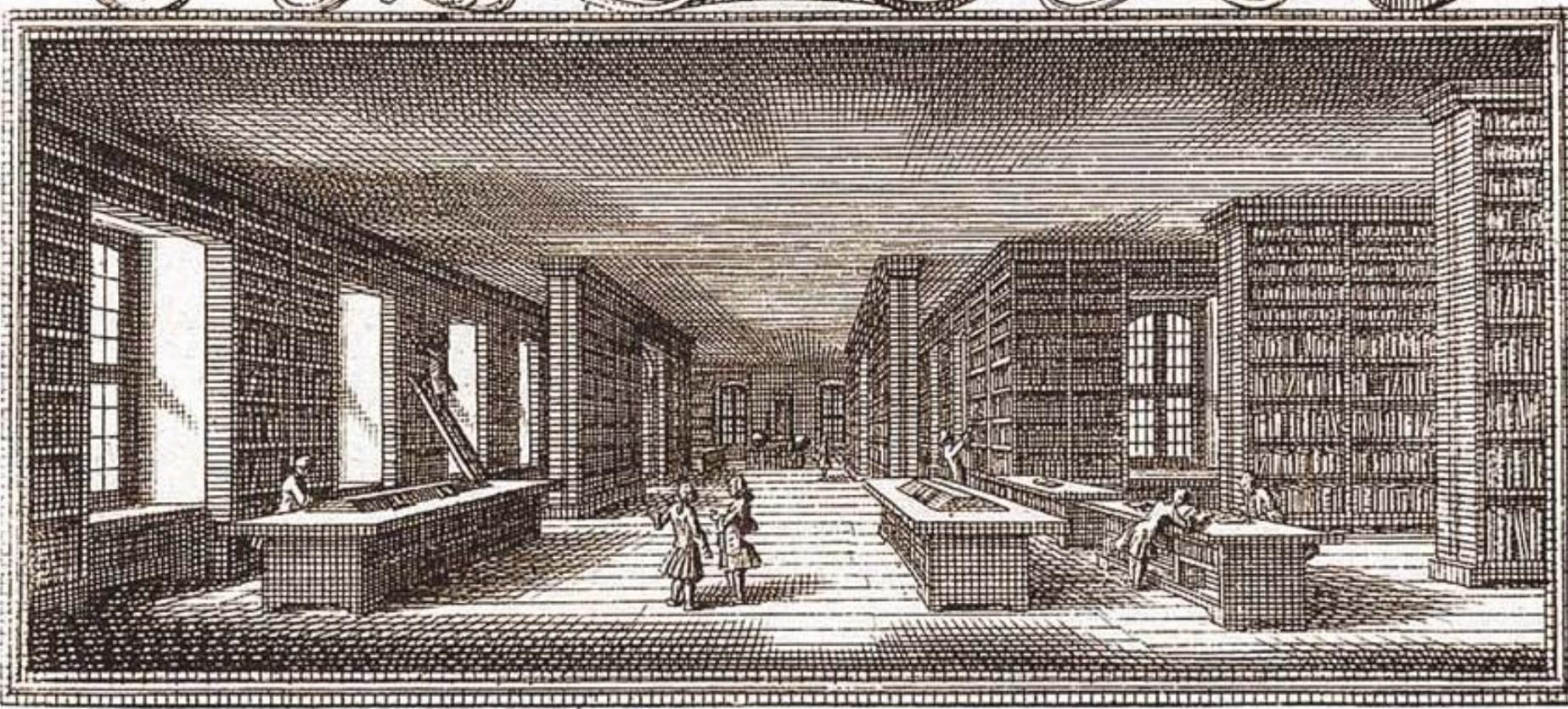
„Man fühlt sich wie in Anwesenheit eines großen Kapitals, das lautlos unberechenbare Zinsen spendet."
(Johann Wolfgang von Goethe 1801)

The history
19/20th century
The age of the national library

- 1850

- British Museum Library
  - Universal (complete) collection
  - Research instrument for the nation
  - Cataloguing standards
  - *Panizzi*
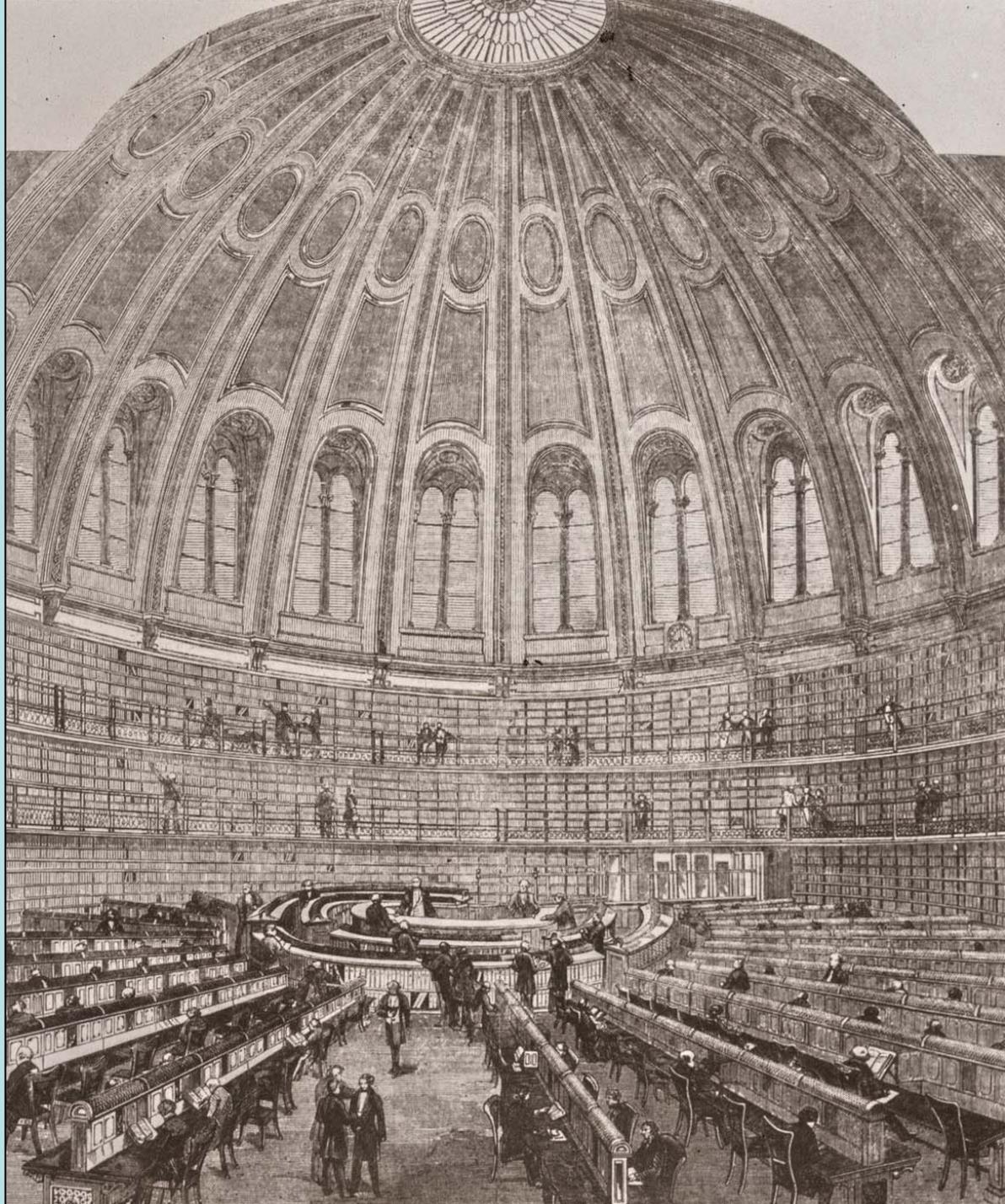
The concept of the modern research library

- Choice – take the best research publications from all over the world
- Pay- collect the financial power of institutions (eg universities) for the acquisition of publications
- Access – give free access for the library patrons and the research community via interlibrary loan and/ore document delivery
- Archiving – provide access and service for recent and future generations of research workers

The golden age of the modern research library

- research and education principal fields of investment worldwide

- Libraries
  - increasing budgets
  - able to compete with the rise of publications till the mid-1980s
  - increasing their efficiency
  - leaders in the development of state, nation and worldwide networks for shared cataloguing
  - Well organised Interlibrara loan and document deliveryi guearantie access to research material

The journal crisis.

Book and Journal Costs, 1986–2002
North American Research Libraries
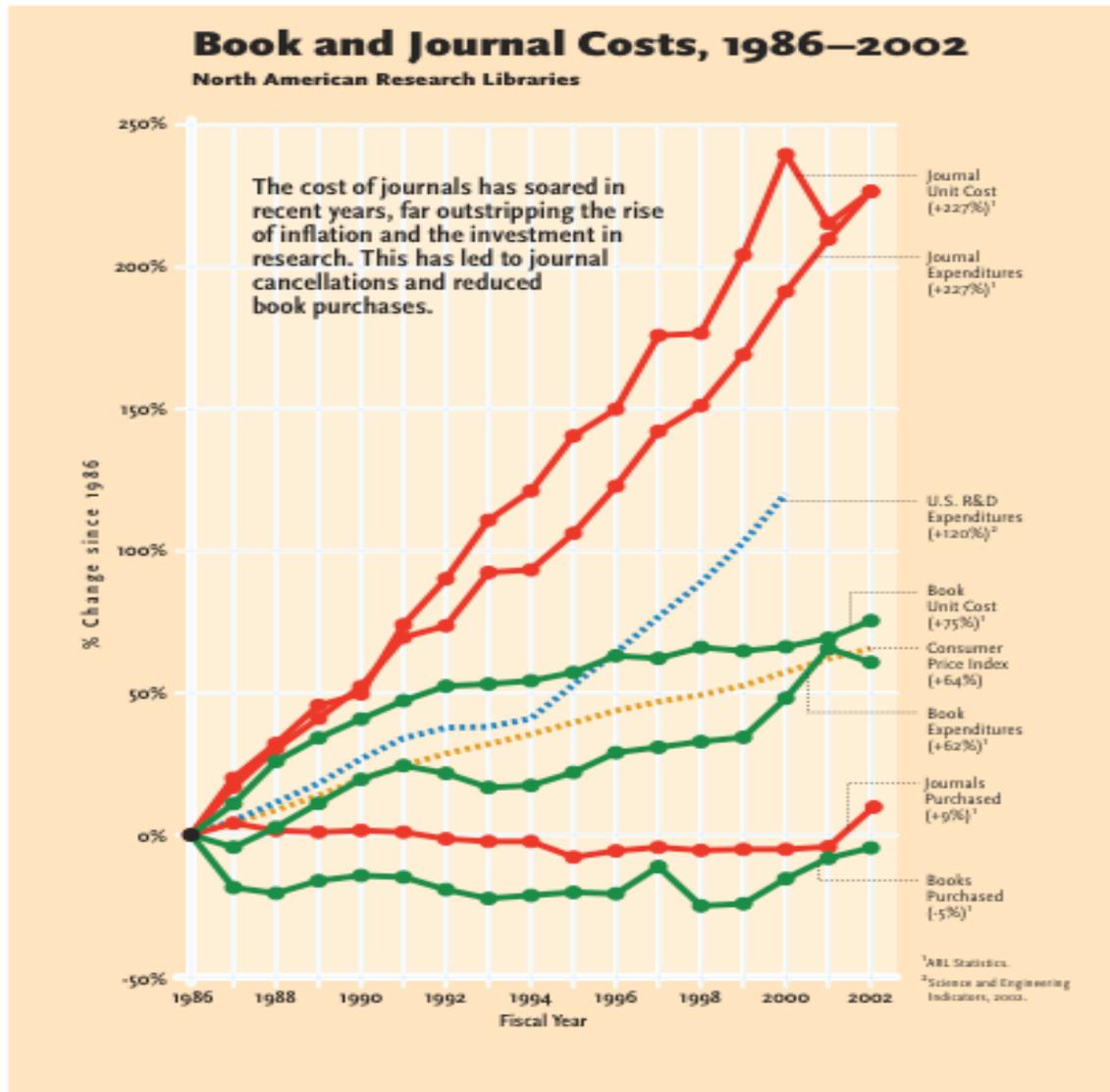
The electronic age

- ***The Information society***
- The dream
  - Every information everywere at any time (without costs)
- The reality in the 80th
  - Researchers used electronic means to work from home:
  - they prepared new research papers electronically;
  - publisher used electronic versions for printing;
  - and libraries delivered texts as copies to their users,
  - who were annoyed about the media break (which, in their view, was caused by librarians).
  - But innovative librarians started innovative publishing schemes (e g. Highwire linking references in electronic journals
  - leading publishers like Elsevier and Springer
  - invested a lot in the development of electronic publications, mainly databases and journals, and
  - offered licensed access.

Licensing versus selling.

- legal difference between printed and electronic publications:
- electronic publications are
- online services that are licensed instead of sold.
- The legal regulations for licensing are much weaker than for those for selling – at least in regard to copyright.
- Exemptions like fair use or the German right of a personal copy, or a copy for research and educational purposes, can be disregarded many publishers do so.

Consortia

- Libraries built consortia to strengthen their position:
- they tried to overcome the legal problems by developing licensing principles
- but their power was limited.

The Big Deal

group of libraries got access to the full set of Elsevier journals; .

The pros
- free online access to the full list of Elsevier journals
- all the libraries fulfilled their mission of 'access provider' quite

The cons
- non-cancellation clause for printed subscriptions, and
- additional fee for electronic access for the full membership of the consortium

The more negative side effect
- the increasing costs of the Elsevier contract brought reductions in subscriptions and purchases of monographs from other publishers
- the increasing market power made Elsevier a quasi monopolist, able to dictate prices and contract conditions.
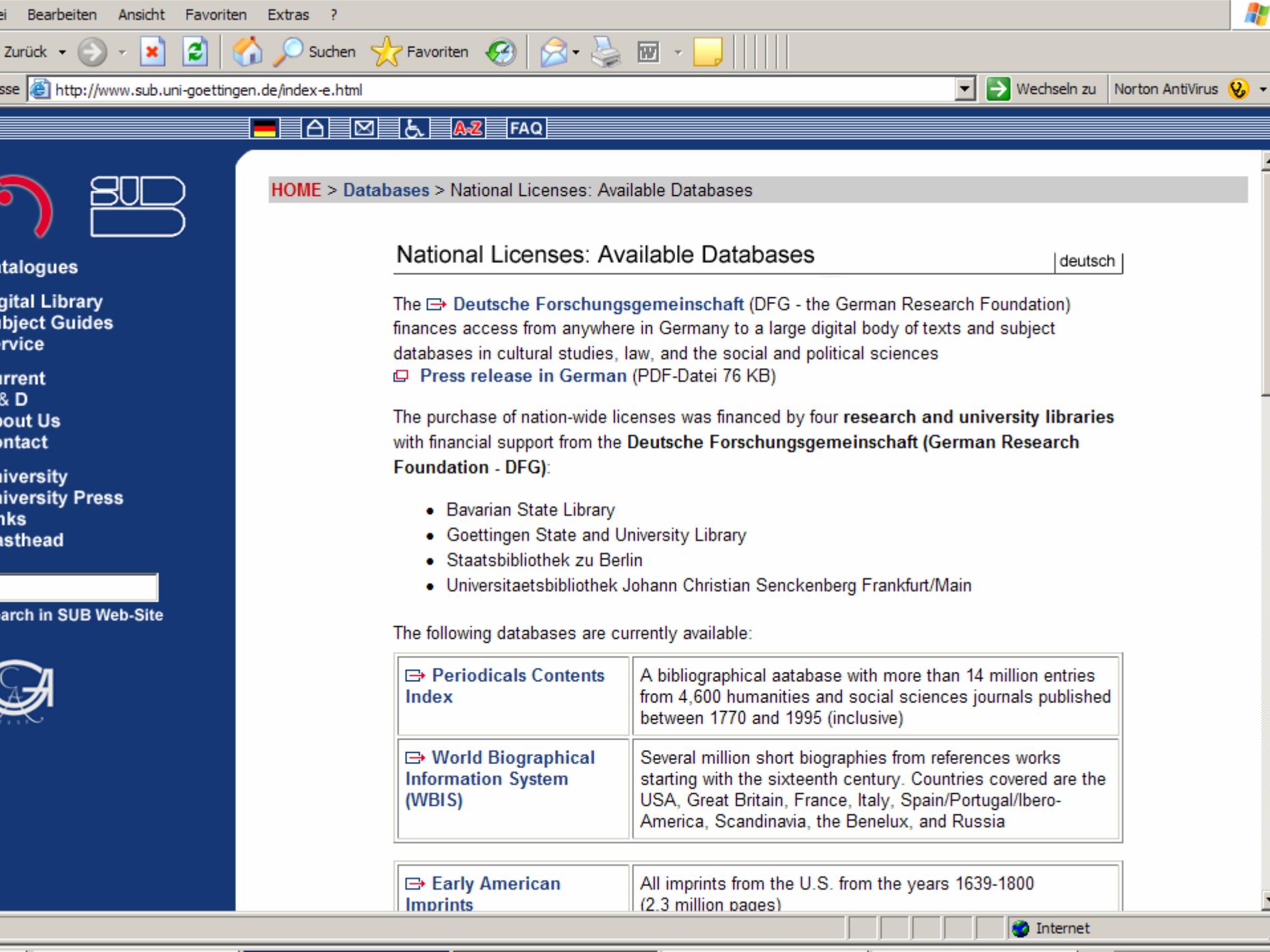
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HOME > Databases > National Licenses: Available Databases

National Licenses: Available Databases

deutsch

The ▶ **Deutsche Forschungsgemeinschaft** (DFG - the German Research Foundation) finances access from anywhere in Germany to a large digital body of texts and subject databases in cultural studies, law, and the social and political sciences
▭ **Press release in German** (PDF-Datei 76 KB)

The purchase of nation-wide licenses was financed by four **research and university libraries** with financial support from the **Deutsche Forschungsgemeinschaft (German Research Foundation - DFG)**:

- Bavarian State Library
- Goettingen State and University Library
- Staatsbibliothek zu Berlin
- Universitaetsbibliothek Johann Christian Senckenberg Frankfurt/Main

The following databases are currently available:

▶ **Periodicals Contents Index**	A bibliographical aatabase with more than 14 million entries from 4,600 humanities and social sciences journals published between 1770 and 1995 (inclusive)
▶ **World Biographical Information System (WBIS)**	Several million short biographies from references works starting with the sixteenth century. Countries covered are the USA, Great Britain, France, Italy, Spain/Portugal/Ibero-America, Scandinavia, the Benelux, and Russia
▶ **Early American Imprints**	All imprints from the U.S. from the years 1639-1800 (2.3 million pages)

Internet

The open access movement.
the ArXivserver http://arxiv.org/

- Paul Ginsparg's idea of collecting all the papers of physicists in one database - the ArXivserver[- became more and more accepted by other research communities such as mathematicians. But:

- No change of publication behaviour:

- publication had still to be in one of the high impact journals, mainly edited by commercial publishers,

- to get recognition in the research community.

- Delivering to the ArXiv was not much more than a modern way of n of exchanging preprints. A way to communicate not to publish

The open access movement
SPARC

- 1998 SPARC Scholarly Publication and Academic Resources Coalition
- (SPARC Europe followed in 2002)
- first attempt to facilitate the starting of new journals as alternatives to the overpriced titles of commercial publishers, and
- to make the publication market more competitive.
- But soon, SPARC looked for new models of community projects like the Public Library of Science.

- http://www.sparceurope.org/-

The Budapest Open Access Initiative

- a statement of commitment, arose from a meeting convened in Budapest by the Open Society Institute (OSI) on 1-2 December 2001. The outcome centred on two main proposals:

  - First, scholars needed tools and assistance to deposit their refereed journal articles in open electronic archives, a practice commonly called, self-archiving.

- Open-access Journals: Second, scholars needed the means to launch a new generation of journals committed to open access, and to help existing journals that elected to make the transition to open access.

The open access movement

The Bethesda Declaration

http://www.earlham.edu/~peters/fos/bethesda.htm

- the result of a meeting on11 April 2003 at the headquarters of the Howard Hughes Medical Institute in Chevy Chase, Maryland. The purpose was to stimulate the goal of providing open access to primary scientific literature. Members of all the relevant parties — organizations that foster support for scientific research, scientists that generate the research results, publishers who facilitate the peer-review and distribution of results of the research, and the scientists, librarians and others who depend on access to this knowledge— made proposals to promote a rapid and efficient transition to open access publishing.

The open access movement
The Berlin Declaration

- mainly used the definitions of the Bethesda statement. It has had great international impact; and researchers either in the sciences or the humanities have never promoted open access so successfully with such widespread international publicity.

-
  http://oa.mpg.de/openaccess-berlin/berlindeclaration.html

The role of granting societies and public funds

- Perhaps the most important result of the Berlin Declaration was the acceptance of open access by the major funding institutions such as the DFG (Deutsche Forschungsgemeinschaft) in Germany. They declared that publication was a necessary part of the research process and, therefore, could be financed as part of the grant. Similar announcements came from the Maxwell Trust in the UK.

Publicly financed research as public good

- One of the most valuable reasons for open access is that research financed with public money has to be in open access for the common good. That was proposed many times in Europe as well as in the United States. In the US, the Congress decided in July 2007 that the National Institute of Health would have a legal obligation to deliver the publications of all funded research on open access at the latest after one year. That is a breakthrough for open access development, at least for biological and medical research. The former regulation that funded authors had to deliver a copy directly to the PubMedCentral of the National Library of Medicine within six months was a real disaster: only 5% of authors complied with the rule.

Green Way
Self Archiving 1

- Homepage of the author ore the Institution

- Subject oriented : Learned societies and Scientific Communities

1. Preprint

➲ No reputation for the author

➲ No alternative publication strategie for the author

Green Way: Self Archiving 2

⮫2.   Postprint

● Homepage of the author or of the institution

- ▪ Additional way of publication
- ▪ Parallel way of distributing

⮫Improves the visibility

⮫Higher citation rate

⮫Increasing the Impact Faktors of the journal too

The open access advantage

Discipline Biologie

-
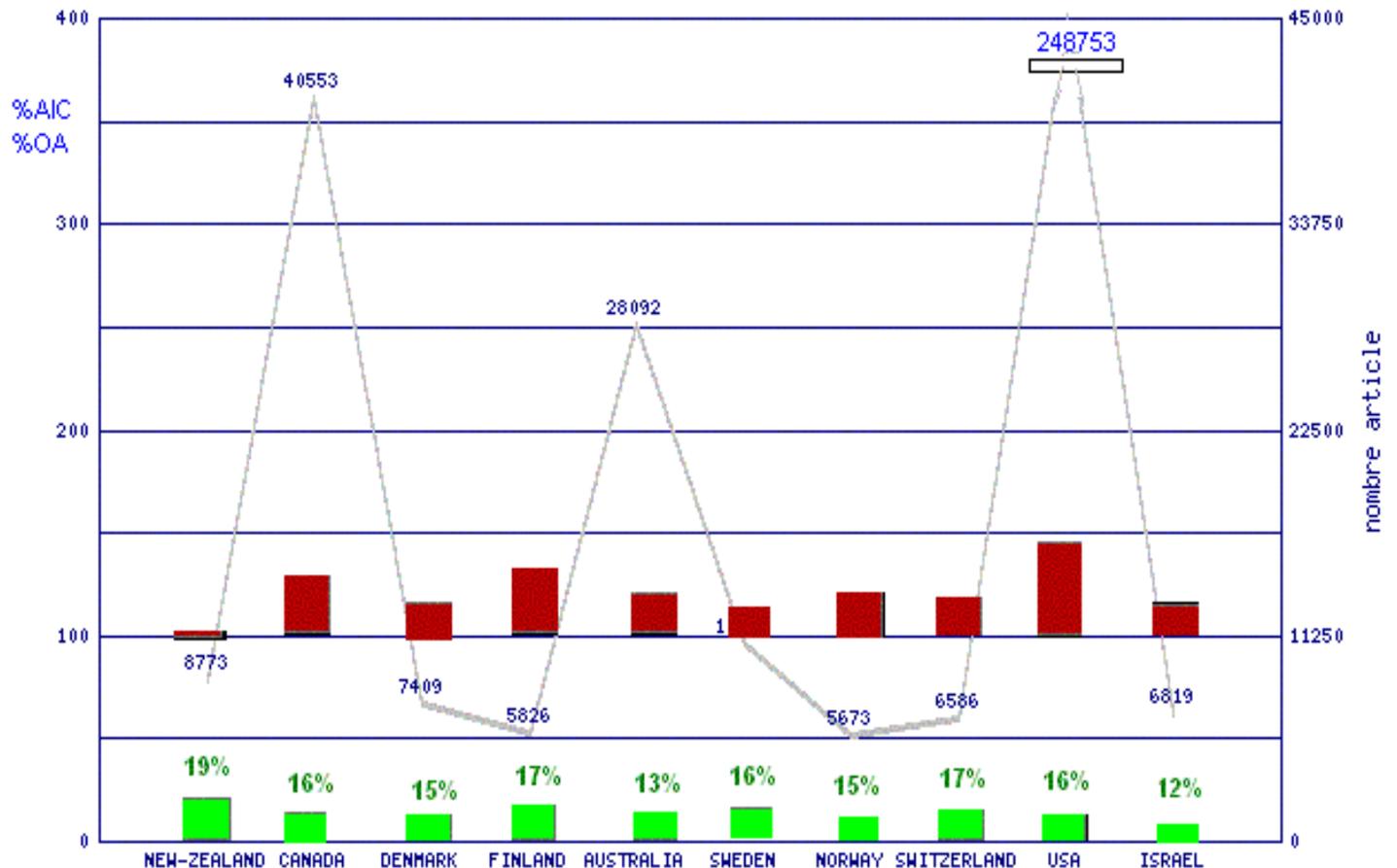
Légende

— Avantage Impact de Citations (AIC)
— Pourcentages d'articles en accès libre (OA)
— Nombre total d'articles (N)

The open access advantage

Discipline Sociologie

The reaction of the publishers

- Many publishers accept postprints delivered on the personal or institutional server of the author.

- There is a list prepared by the SHERPA project
  http://www.sherpa.ac.uk/romeo.php;

- with additional German informations
  http://miles.cms.hu-berlin.de/oap/

Open Access: Green way - „self archiving"

Postprints

Organisation:
- Local repositories
- Websites of the author ore institution

Fullfilled Function :
- Increaded Access
- Better visibility

Function of the journal :
- Peer review, Choicel
- Reputation, citation, Impact

Bibliotheken:
Dekommodifizierung

Wissenschaftler

als Autor: als Leser:
„Self Archiving"   freier Zugang

Preprints

Organisation:
- Local Repositories
- Community repositories
- Website of the author.

Fullfilled function
- Access
- Date of first publication
- Authorship

Wissenschaftler

als Autor: als Leser:
„Self Archiving"   freier Zugang

Open Access: Green Road - „Self Archiving"

Postprints
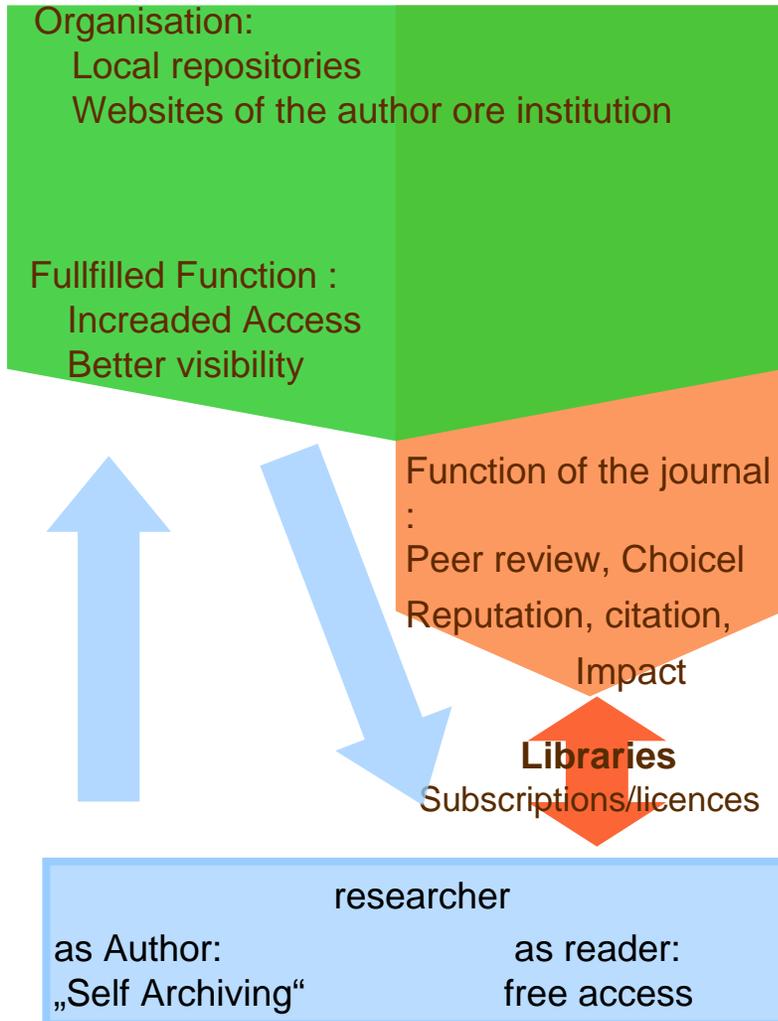
Golden Road - Open Access Journale

Organisation:
   Local repositories
   Websites of the author ore institution

Fullfilled Function :
   Increaced Access
   Better visibility

Function of the journal :

Peer review, Choicel

Reputation, citation,

Impact

Libraries
Subscriptions/licences

researcher

as Author: as reader:
„Self Archiving"   free access

Organisation:
- Scientific Community
- (Not-for-profit) Serviceprovider
- „author pays"
- Hybrid solution

   Fullfilled Function
- Open (increased) access
- authorship
- Peer Review
- Quality control
- Reputation, Citation, Impact

researcher

als Author: as reader:
pays   free access

The future of open access

- necessary as the preferred scheme for research
  - More researchers worldwide will produce
  - More research results that have to be published
- If we count the additional overhead costs of publications via commercial publishers are extremely high
  - no-one anywhere can afford anymore the traditional outsourcing scheme of publications
  - fast developing countries are trying to be at the forefront of the open access development

How can we succeed?
Library activities

- *Standards as the foundation for open access*
- *Local repositories:*
- *University presses*

Standards as the fundament for open access

– *Dublin Core* is widely accepted as a metadata schema for electronic documents

– *The Open Archives Initiative Protocol for Metadata Harvesting* (OAI-PMH)

- OAIster (12 million items)

- scientific commons (15 million items)

– *The DINI-Certificate for Document and Publication Services 2007*

"Electronic Publishing Group"

DINI – Certificate

# Document and Publication Repositories

Local repositories:

- Libraries are accustomed to using standards for cataloguing; they are leaders in the acquisition and delivery of printed as well as electronic documents; and so, therefore, they are responsible for the local repositories of most universities – normally in close co-operation with the computer centre.

- There are additional services in development such as on demand ordering of printed versions via Pro print[2]. The German development is networked with the European scene, mainly via the DRIVER project
  [1] http://www.dissonline.de/

- [2] http://www.edoc.hu-berlin.de/proprint/

● Other Documentserver

● OPUS-Libraries

● MyCore-Libraries

dissonline.de

Digitale Dissertationen im Internet

Searching

Publishing

Legal Issues

Formats
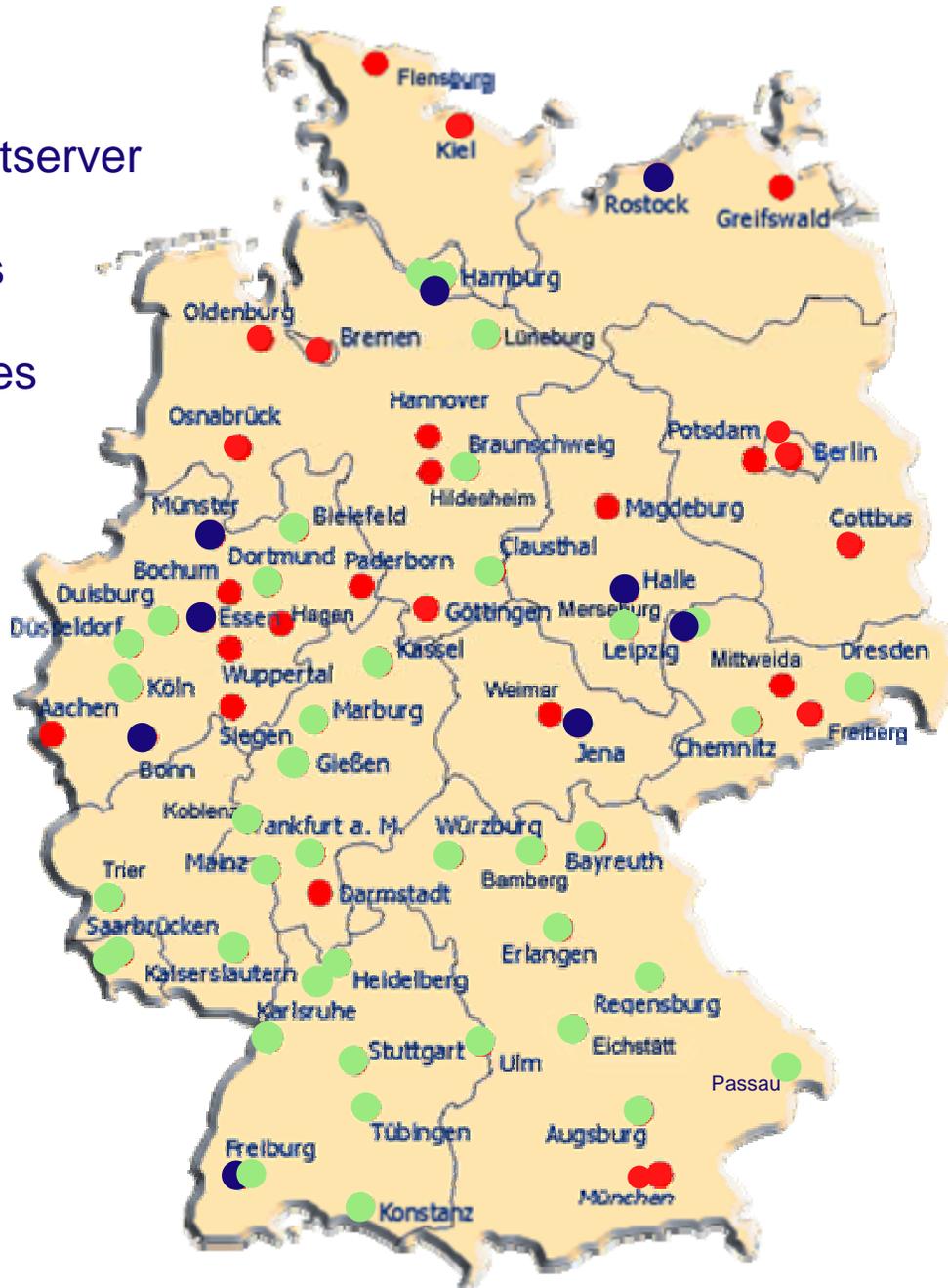
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Imprint

•The Publication Pyramid

Intranet, Internet and Print
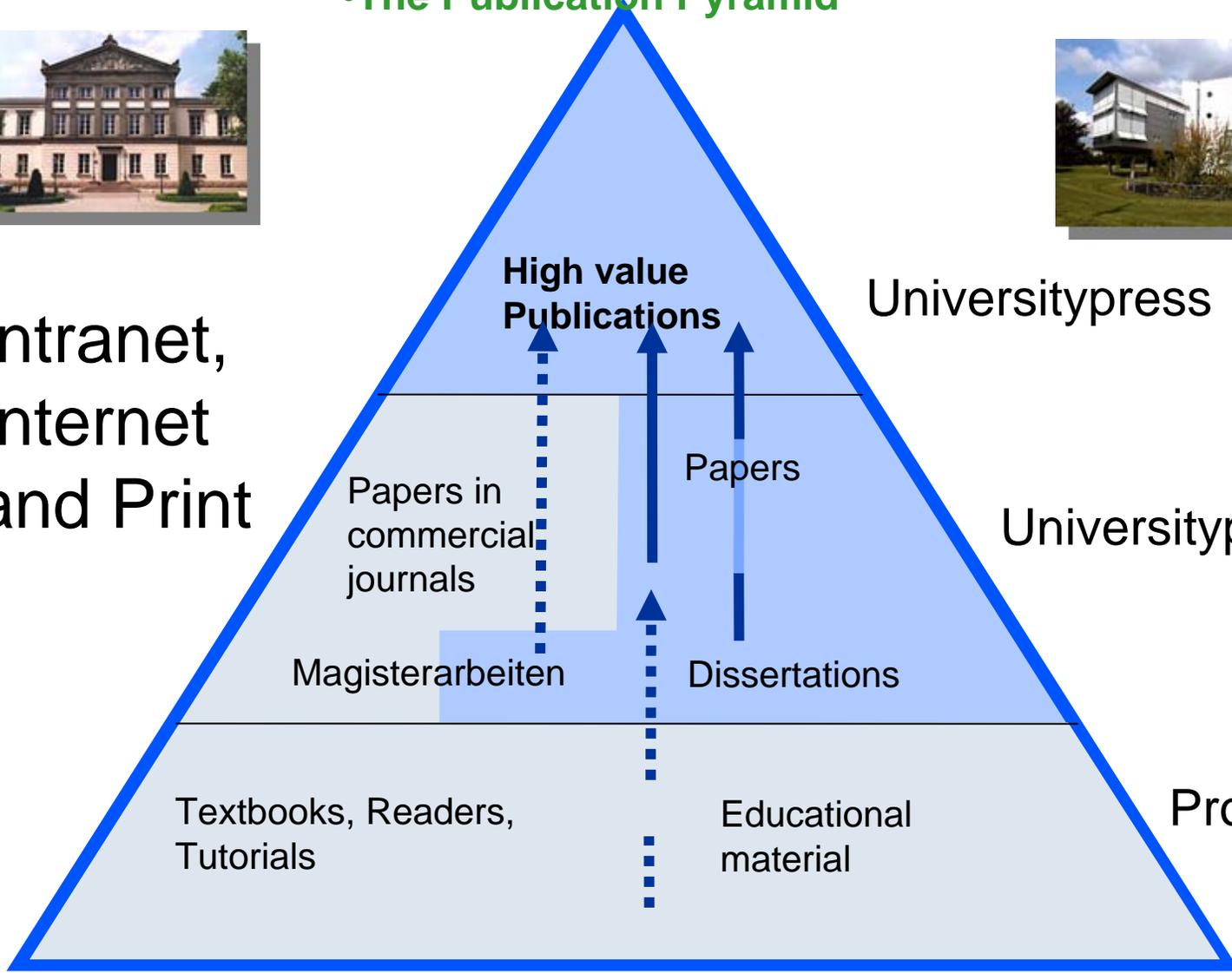
Universitypress

High value Publications

Papers in commercial journals

Papers

Magisterarbeiten

Dissertations

Universityprints

Textbooks, Readers, Tutorials

Educational material

ProPrint

Medienneutral Publishing

Intranet   or   Internet   and   Print on Demand

Scientific publishing

production

Media neutral

pictures

movies

E-Learning-Material

Library

-Metadata

-Delivery via loan or digital version

Information

Long term preservation

KOPAL

publication

Traditional

Print

Books ,journals

Print-on-Demand

(z.B. ProPrint)

E-Publishing

Publikationsserver

Multimedia-Präsentations

CD-ROMs, Interne exhibitions Guided Tours)

E-Learning-
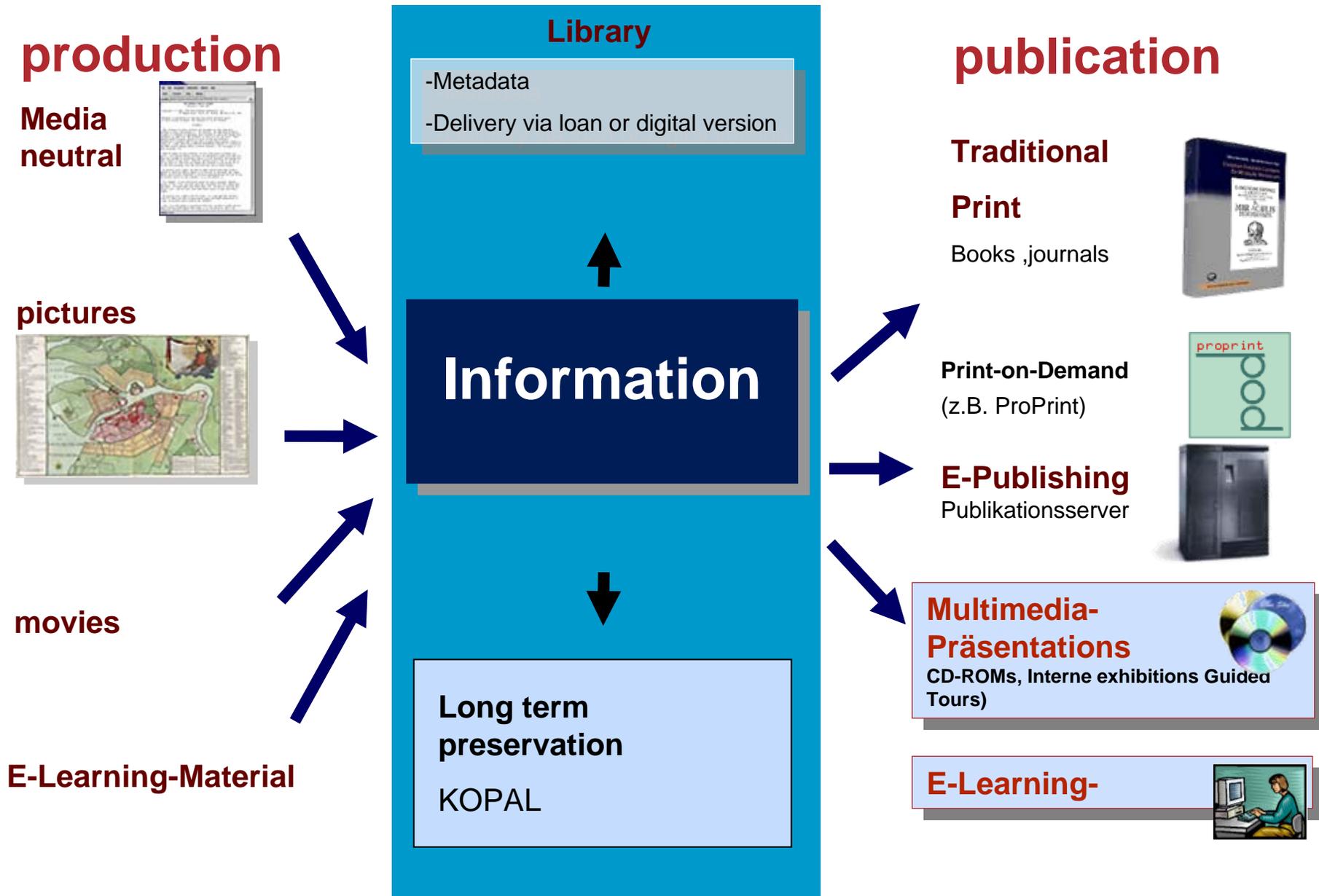
Infrastructure for Marketing and Delivery

➢ **Publication server**

and University press

    ➢ Electronic and print medianeutral

      (University Press)

➢ Institutional (GOEDOC)

➢ by subject (GEO-LEO)

➢ Metadata: OPAC PICA WorldCat

➢ Harvesting Server (OAIster)

➢ Search engine (Google/ googe scholar)

➢ Bookseller (amazon, buchhandel.de)

GOEDOC - Dokumentenserver der Georg-August-Universität Göttingen

Universitätsverlag Göttingen

:: LIBRARY EXPERTS ONLINE

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Onlineressourcen

OAIster
...find the p

Google Scholar BETA

amazon.de

buchhandel.de
Order

ProPrint - Workflow
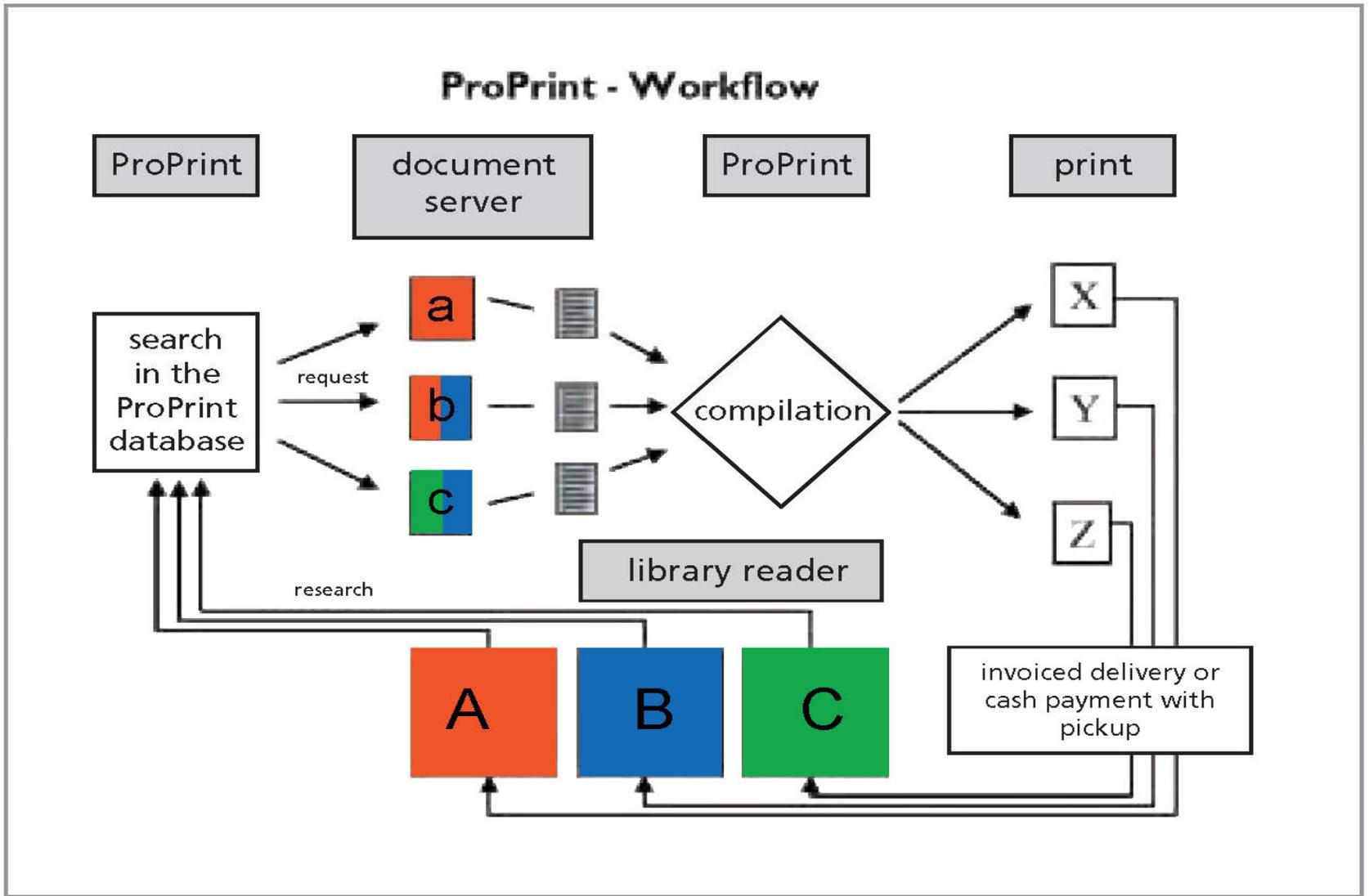
The scientific publication system
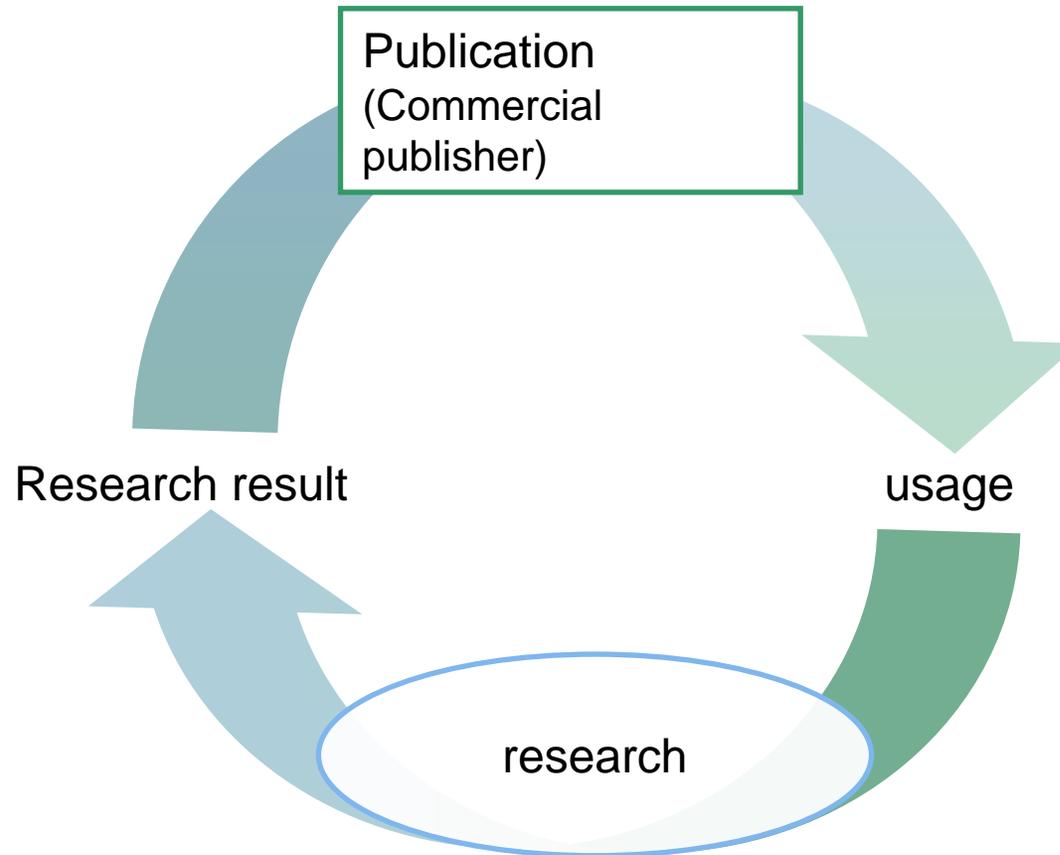
The new system of scientific communication

Competition

**Open Access:
Pre und Postprint
„Self Archiving"**

**Open
Access
Journals**

**„Golden
Way"**

**Subscription
Journals**

Open access harvester

Google Scholar

**Commercial information Databases
<Web of science>**
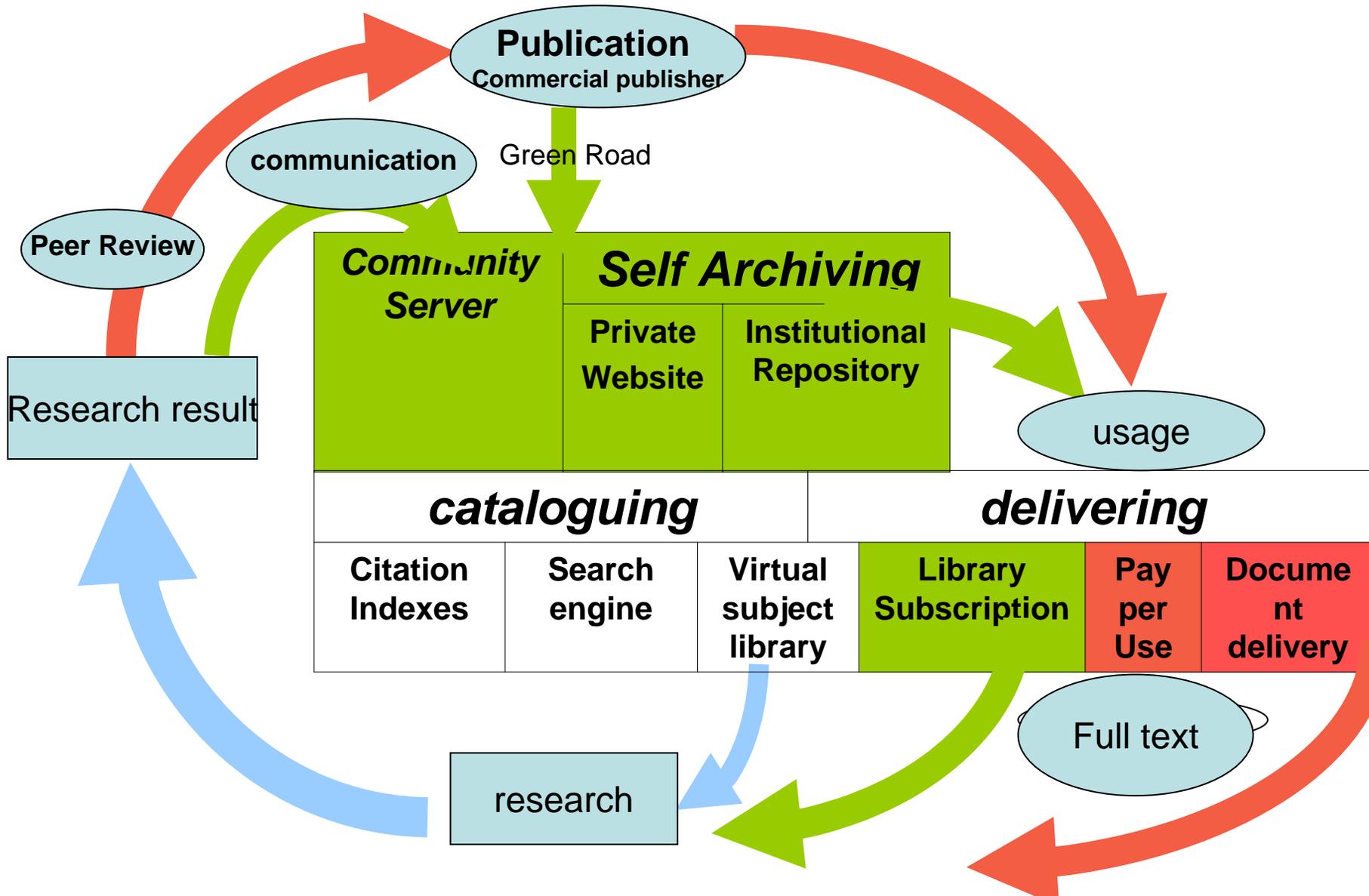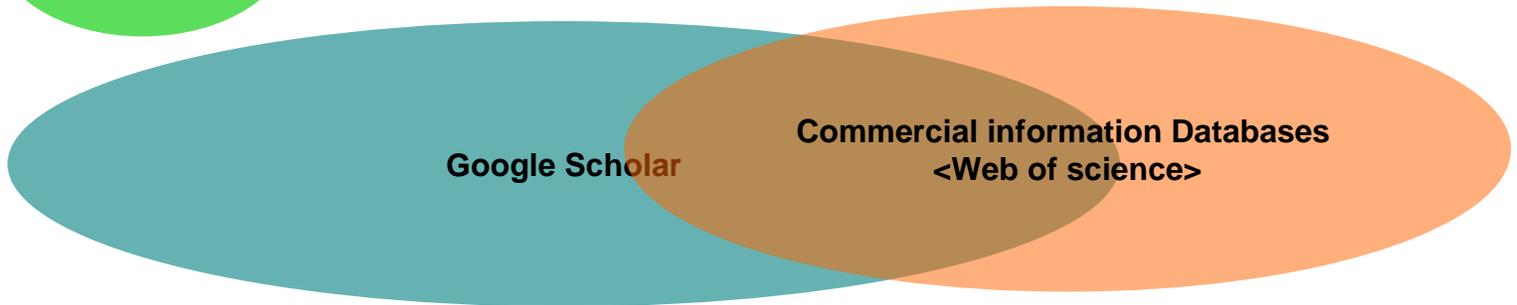
Researcher?

Researcher?

Researcher?

Publishing as distributed system

university server
 - pre-prints
 - papers from journals for local access
learned society server
- pre-prints
- peer reviewed articles/journals

Publisher

- added value publications

- aggregating peer reviewed articles

- aggregator of material stored on the university servers ?

(Hans Rosendaal**)**

E- research
The new research environment

- e-Science is about global collaboration in key areas of science, and the next generation of infrastructure that will enable it.'
John Taylor Director G. of Research Councils Off. of Science and Technology

Researchers need robust middleware services to <u>routinely</u> build secure 'Virtual Organisations' to support an international "collaboratory"

- *Open access for data as well as for publications*'

- *Libraries as service infrastructure for e-research*

Beyond the Web?

- Scientists developing collaboration technologies that go far beyond the capabilities of the Web
  - To use remote computing resources
  - To integrate, federate and analyse information from many disparate, distributed, data resources
  - To access and control remote experimental equipment
- Capability to access, move, manipulate and mine data is the central requirement of these new collaborative science applications
  - Data held in file or database repositories
  - Data generated by accelerator or telescopes
  - Data gathered from mobile sensor networks

Semantic Grids for Museums and Indigenous Communities

Content Description

Content Viewer/Player

Annotation & Discussion

Dancer	Both
Hunter	True
MedicineMan	True
Midwife	True
Musician	True
Status	Uninitiated
⊟ TribalCore	
Orientation	

Gender
Which gender is allowed to access the content?

Enable museums & indigenous communities in distributed locations to collaboratively:

- discuss
- define
- annotate

rights associated with objects in museums
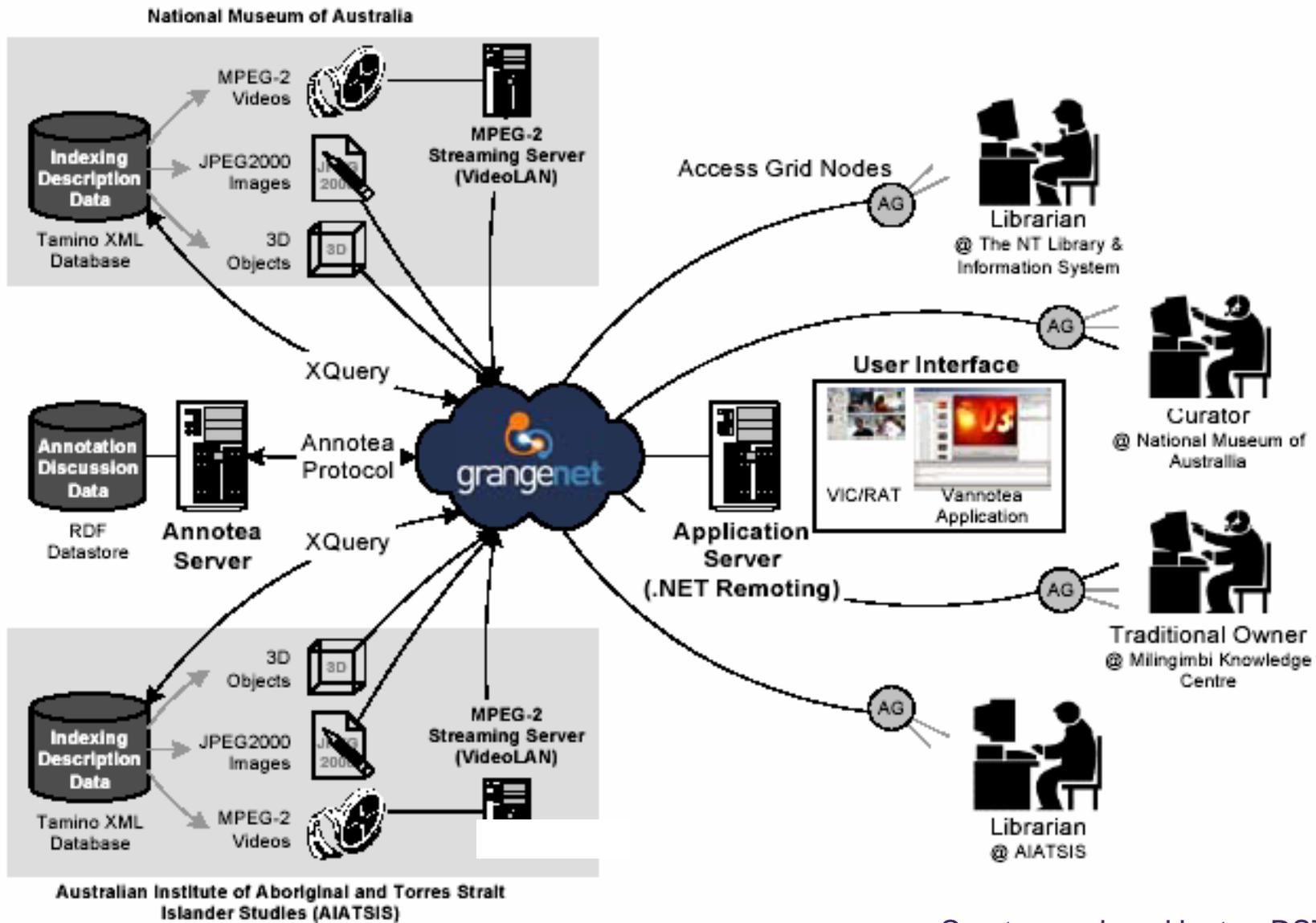
Courtesy – Jane Hunter, DSTC

Figure 2: System Architecture

Courtesy – Jane Hunter, DSTC

Textgrid-Architektur: Werkzeuge für eine gridfähige und gridgestützte Philologie

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Vorworte | Benutzerhinweise | Siglen- und Abkürzungsverzeichnis | Wörterbücher im Wörterbuchnetz

B   Brosame - Brownisch   Band 2, Spalten 904 - 907

Artikelgliederung Artikelvernetzung

A Brosame
B Brosamlein
C broschieren
D Broschüre
E Broschürenwesen
F Bröselein
G Brot
H Brotbaum
I Brotbrocken
J Brötchen
K Broterwerb
L brotessend
M Brotfrucht
N Brotjournalist
O Brotkarren
P Brotkorb
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U Brotteig
V Brottorte
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Fußnoten

Artikelgliederung Artikelvernetzung

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Vorworte | Wörterbücher im Wörterbuchnetz

B   brosem, *stswf.* - brôt-oven, *stm.*

Artikelvernetzung

A brosem, *stswf.*
B broseme, *stswf.*
C brosme, *stswf.*
D brosemlîn, *stn.*
E brosenære, *stm.*
F brôt, *stn.*
G brôt-bacherin, *stf.*
H brôt-banc, *stfm.*
I brôt-becke, *swm.*
J brôt-becke, *swf.*
K brôt-becker, *stm.*
L brôt-beckerin, *stf.*
M brôt-be-
N schouwære, *stm.*
O brôt-be-
P sëhe, *swm.*
Q brœtec, *adj.*
R brœtelære, *stm.*
S brœtelîn, *stn.*
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brosem, broseme, brosme, *stswf.*
  brosem, *f.* FiB   BROSAME, *f.* DWB   Brosame GWB
  Bröselein GWB   brosem NLEX

brosemlîn, *stn.*
  brosemlîn, *stn.* FiB

brosenære, *stm.*
  brosenære NLEX

brôt, *stn.*
  brôt, *stn.* FiB

brôt-banc, *stfm.*
  brôtbanc, *stfm.* FiB

Collections grid

Books
Journals
- Newspapers
- Gov. docs
- CD, DVD
- Maps
- Scores

Special collections
Archives
- Rare books
- Local history materials
- Archives & Manuscripts
- Theses & dissertations

Freely-accessible web resources

Research and learning materials
- ePrints/tech reports
- Learning objects
- Courseware
- E-portfolios
- Research data

Untransferred records

stewardship

high   low

uniqueness   low   high

Changes in student expectations

- Students behaving as consumers
- The need to actively engage students in learning
- The demand for flexibility in when and where people study
- New generations of students and their use of technology and multimedia
- The learning needs of each individual
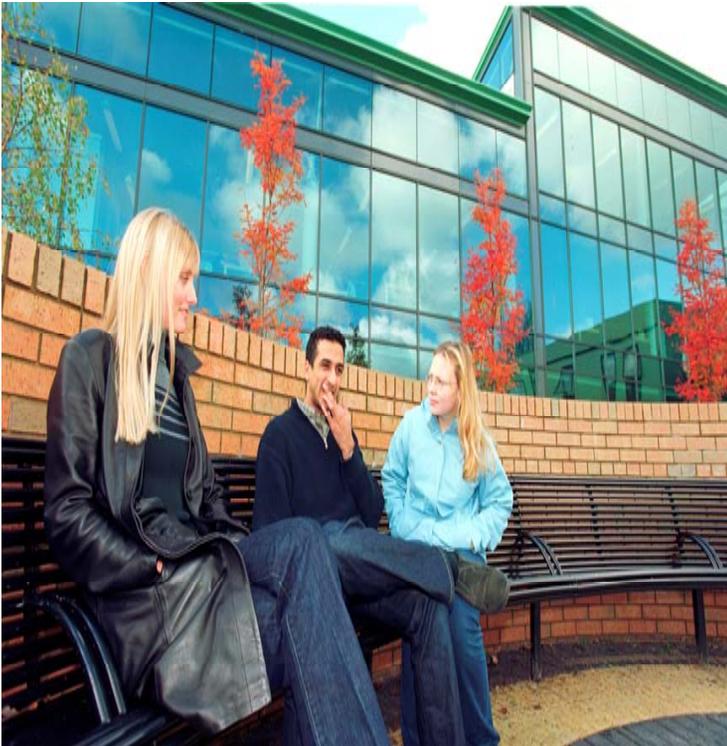
Community tools

- Blogs
- Wikis
- Discussion forums
- Instant messaging
- Newsfeeds

New learning and teaching environments

- Libraries have to integrate publications, data and other digital objects into modern learning and teaching management systems.
- The learning of information literacy is as valuable for the students of today as the skills for active publishing in the open access internet world. Libraries have an increasing teaching role in this respect.

The virtual learning environment

" *The aim is to create an electronic environment which replicates all the facilities of the real environment...*

...allowing students to move seamlessly between the two...in a way which meets their own needs."

The new learning environment
Univ. of Chicago: Crerar Library

Video Computer Cybercafe Helpdesk group workingt teaching area TV

The eCampus

- Course information
- Enrolment
- Fees payment
- Learning materials
- Information resources
- Interaction with staff
- Contact with students
- Assignments
- Assessment
- Feedback
- Certification

Learning resources centre

- The institutional service for the learning and teaching of the future
- providing
  - library services,
  - IT facilities,
  - e-learning and e-teaching environments, combined with
  - human advice
- and all this as a 24/7 service throughout the year.

**The Learning Centre
at Sheffield Hallam University**

**library and information services
user computing
multimedia production
educational innovation
eLearning development
educational research**

'THE BRAIN' –

Philology Library FU Berlin


© FU dreibeezwo

Universitäty Library Utrecht
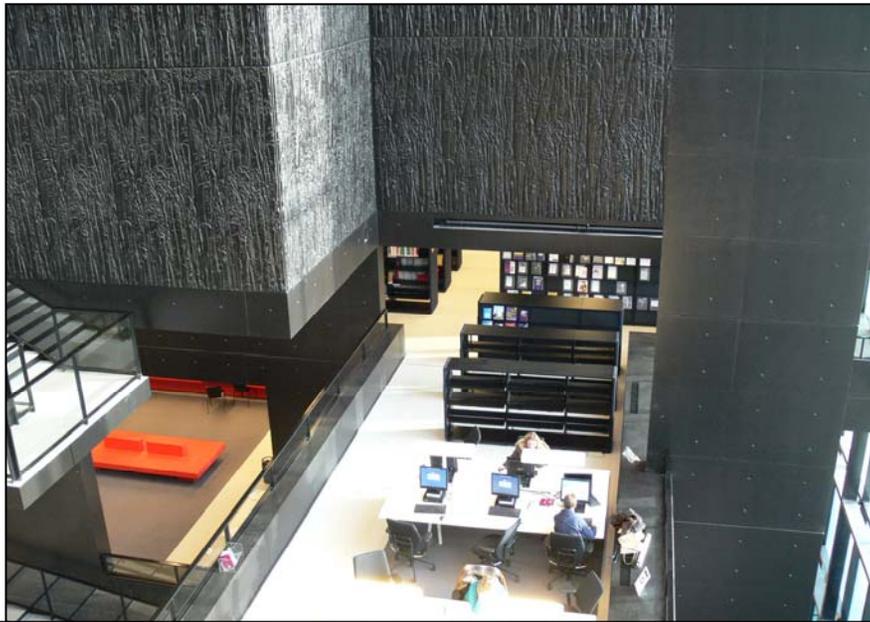
Bringing the library into the workflow of the user

- The real challenge is to bring these services into the working and live environment of the user – researcher, teacher and student. Library services have to be ubiquitous – accessible from the campus, from home or from anywhere else in the world – another meaning of open access.

lab books

PDAs

campus portal

learning management systems

exhibitions

course material
text book

reading
lists

personal collections

user environments

resource environment

library

Virtual
reference

Institutional repository

Digital collections

Aggregations

E-reserve

Catalog

Licensed
collections

Cataloging
ILL
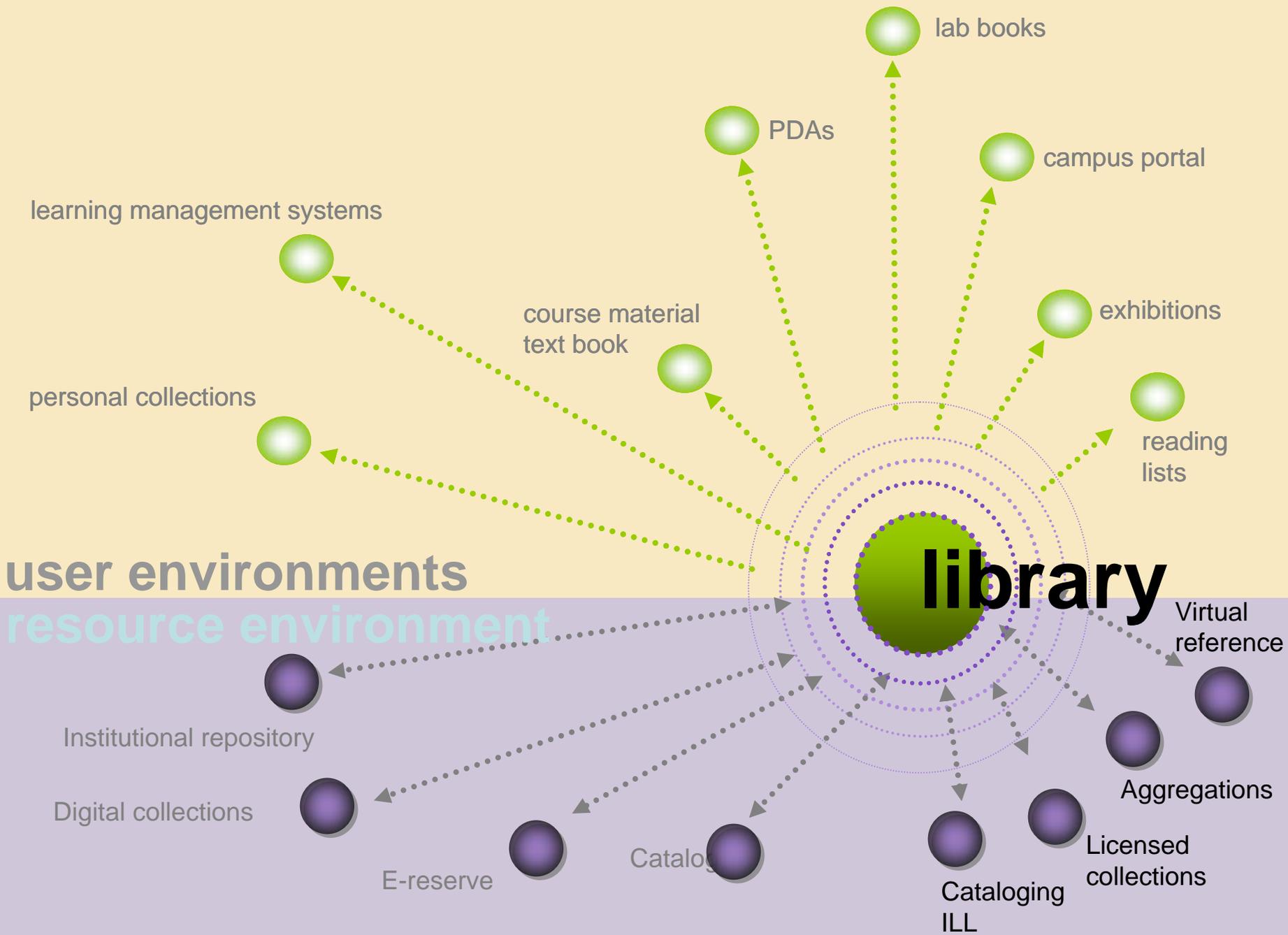
Personal Learning Landscape
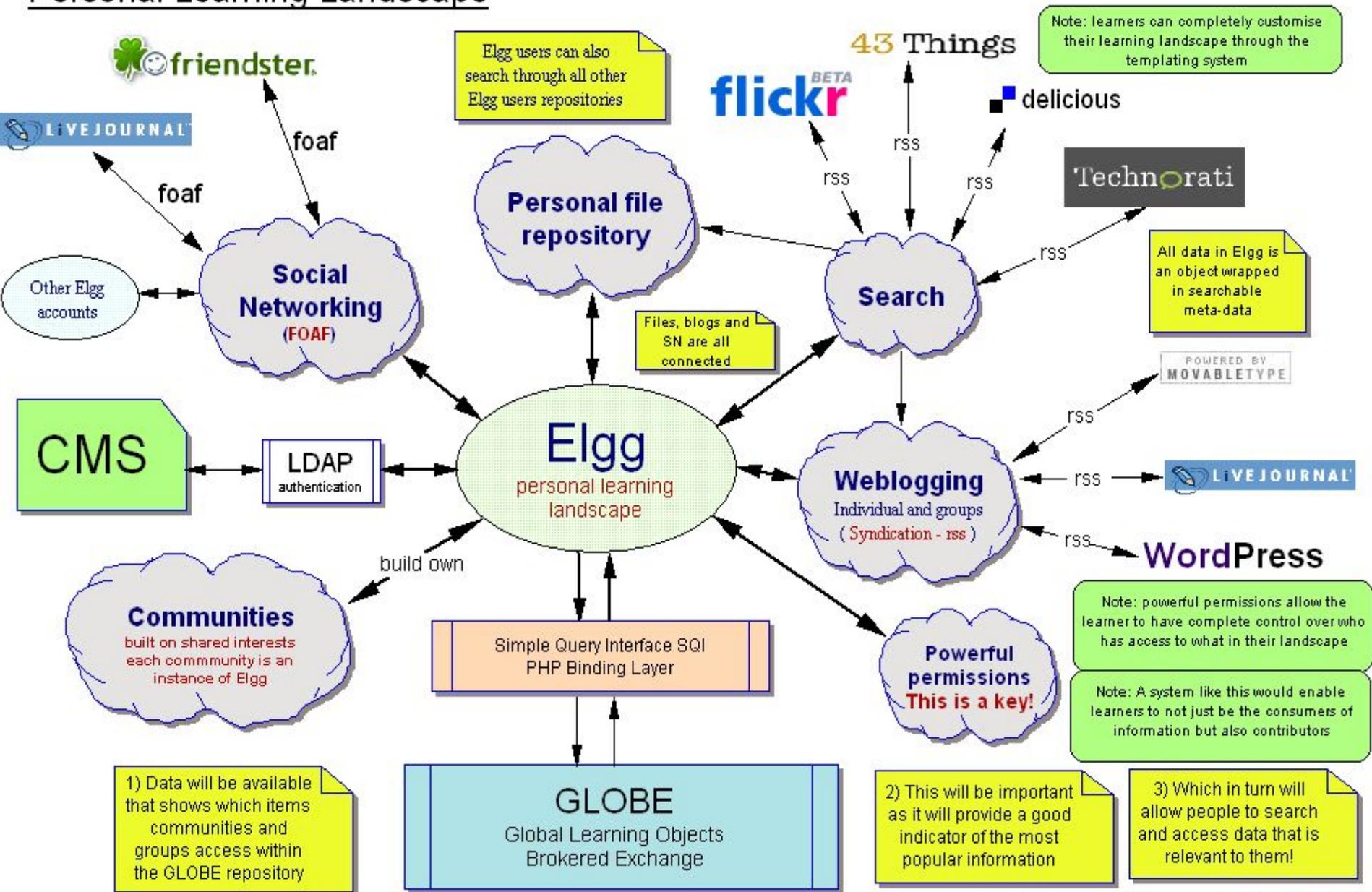
In the user *-flow

- Workflow
- Learnflow
- Commuteflow
- Lifeflow

- Research flow e.g.
  - Personal collections and citation chaining
  - Integration of data and literature

Gamers as Metaphor

- Compete
- Collaborate
- Create

The library in the user environment, Not the user in the library environment

lab books

PDAs

campus portal

learning management systems

exhibitions

course material text book

personal collections

reading lists

user environments

resource environment

library

Virtual reference

Flexible assembly of services from multiple sources.

Digital collections

Aggregations

E-reserve

Catalog

Cataloging ILL

Licensed collections
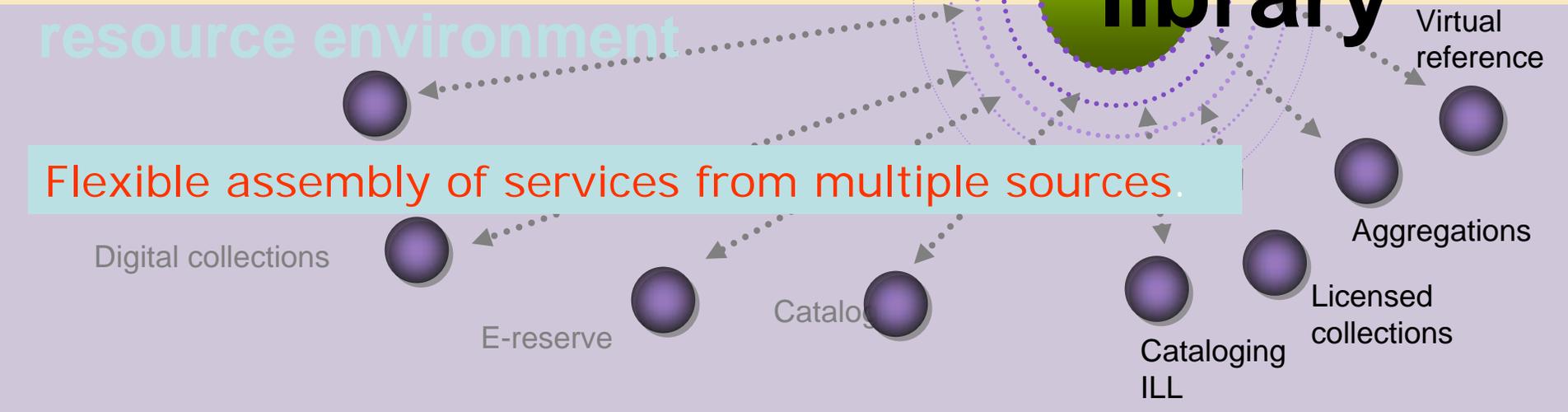
Google Book Search BETA
All the world's books at your fingertips

In May 1961, JFK said that he was going to put a man on the moon. The idea was unthinkable at the time, but within the decade, the goal was achieved.

Google Book Search (books.google.com) is our **man on the moon** initiative. We see a world where **all books are online and searchable***. How exactly will this be done? How long exactly will it take? We aren't sure, but **we're committed to making it happen**.

Imagine this program's potential impact on education and research. On how our children discover books. On writing and publishing. On how all of us find and use information.

Do we need your help? Yes.
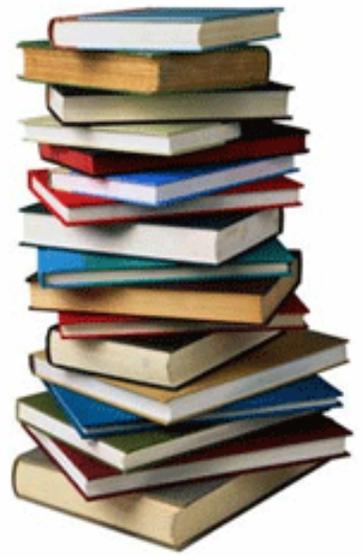
Open past

Digitising à la Google

- The library way
- "do it once, do it right"

The Google-Strategy

Globalising the Information market
Google as Integrator/Aggregator

Personal communication und Planing

-

writely

Calendar

Mail

Strategic goal

Google™

Maximising

hits

Maximising income via services

Scholar

Scientific communication
Access, Ranking/Impact

consuming

Froogle

Library

(retro-) digitised publications

geo information

Earth

Maps

Books

Bookselling

Web Search Engine

News

WWW

news

And the libraries?

- **Institutional intellectual asset management**

Research & e-science
Learning & teaching

Discovery, harvesting — aggregators — Discovery, linking, embedding

Harvesting

data analysis, transformation, mining, modeling — learning object creation, re-use

Deposit, self archiving — Repositories — Deposit, self archiving

Validation

Publish, discovery

Data creation, capture and gathering: lab experiments, fieldwork, surveys, grids, media, ...

peer-reviewed journals, conferences, ...

Discovery, linking, embedding

Courses, modules, Learning management systems, learning portals, ...

A&I services

Adapted with permission from Liz Lyons
eBank UK: Building the links between research data, scholarly communication and learning.
Ariadne 36, 2003. http://www.ariadne.ac.uk/issue36/lyon/

- **Learning resources centres for the learning and teaching of the future are the**

Virtual libraries

Virtual Library of **Anglo-American Culture**	
Virtual Library of **Contemporary Art**	ViFa ART
Virtual Library of **Dutch Culture**	NedGuide
Virtual Library of the History of **Eastern Europe**	vifaost ▶ virtuelle fachbibliothek osteuropa
Virtual Library of History **(Early Modern History)**	sfn
Virtual Library of **Economy and Business**	EconBiz
Virtual Library of **History** CLIO-Online	Clio online
Middle East Virtual Library **MENALIB**	MENALIB
Politics and Peace Guide	politics and peace guide Virtuelle Bibliotheken Politikwissenschaft und Friedensforschung
Virtual Library of **Psychology**	Saarländische Universitäts- und Landesbibliothek
Social Science	

- Combination of high value
- information services
- electronic and
- Print material

Virtual Library of **Engineering**	ViFaTec Ein Angebot der UB/TIB
Virtual Library of **Medicine**	MedPilot
Virtual Library of **Pharmacy**	ViFa Pharm
Virtual Library of **Physics**	Virtuelle Fachbibliothek Physik ViFaPhys Ein Angebot der UB/TIB Hannover
Virtual Library of **Veterinary Medicine**	ViFa Vet

|	
Geography, Maps and Mining	try out:
Wood-Technology	see Institute of Wood Technolog

And the libraries?

vascoda wants to provide

orientation in the face of multiple providers
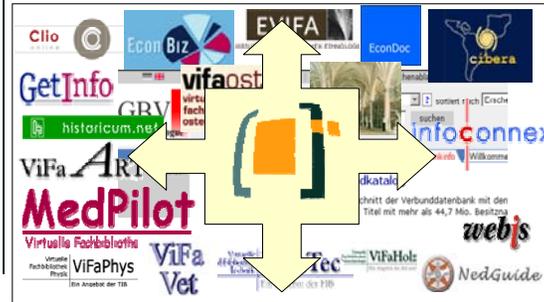
- Combination of virtual research libraries (VASCODA)
- National licences
- Long term preservation
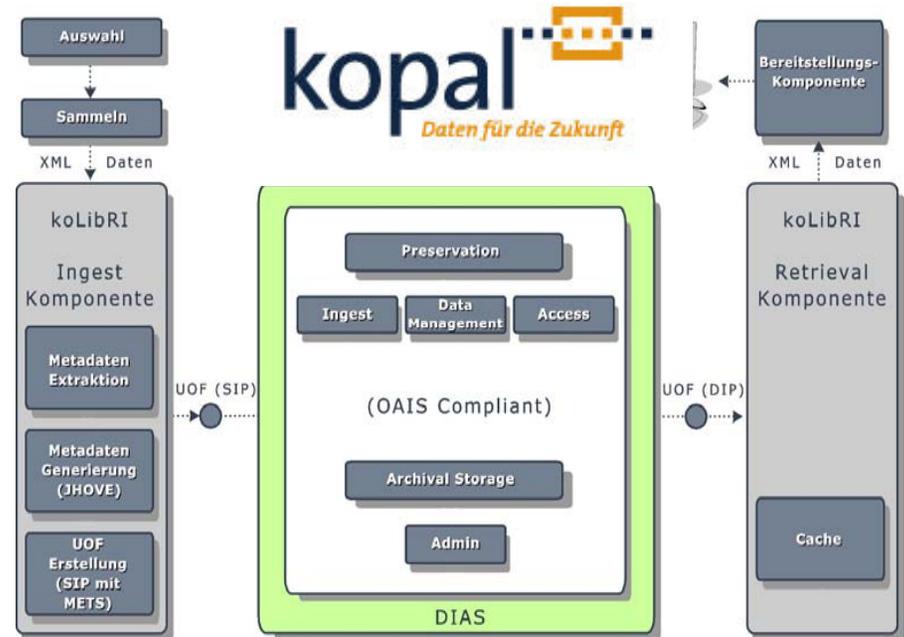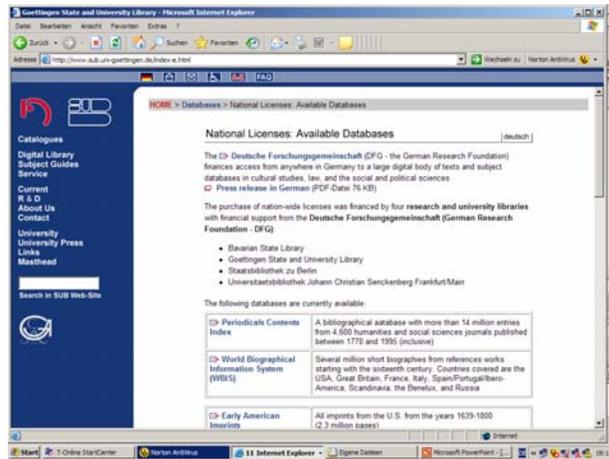
…and the Books?

Open access for the classified literture 1700 – 1900 - The Research Library of the SUB Göttingen
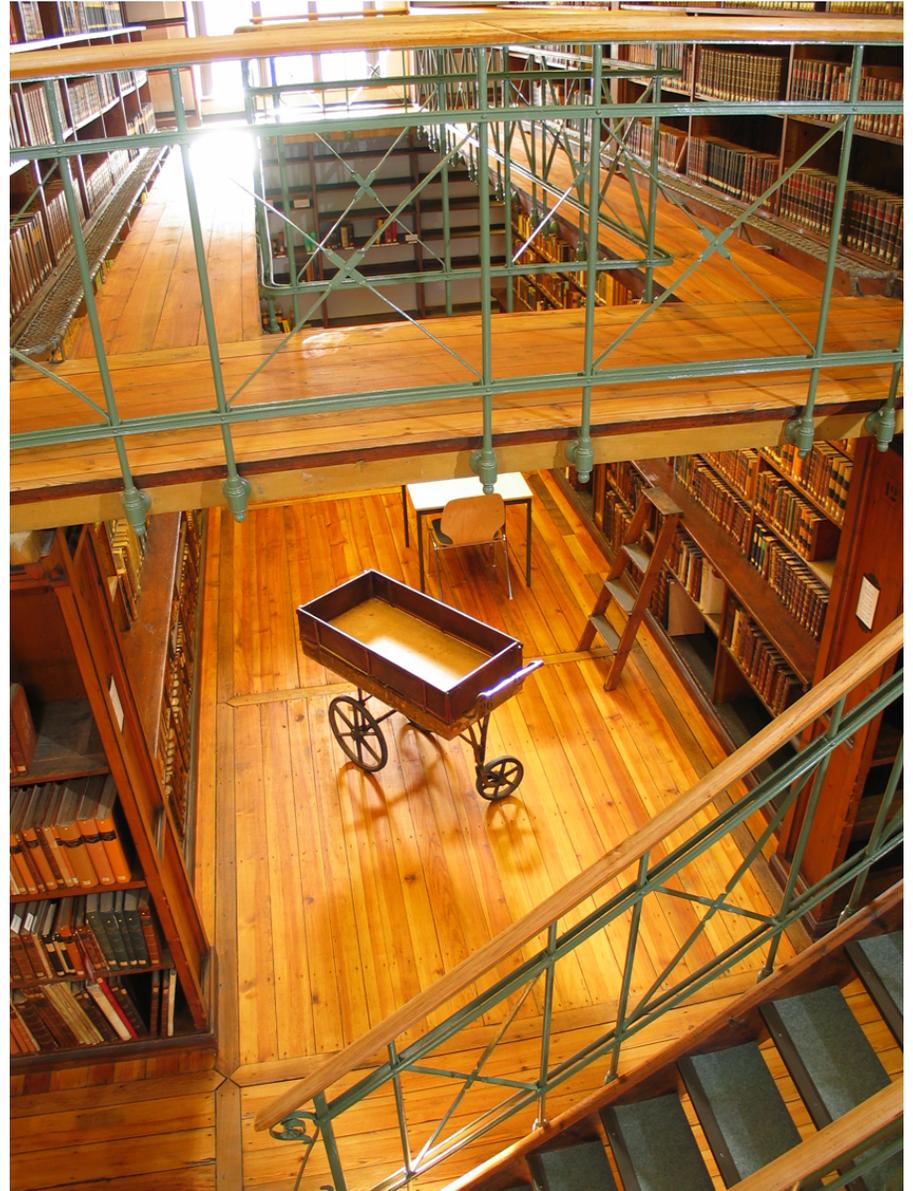
Libraries as the worldwide learning and research service infrastructure of the future

- the mission of libraries for centuries
  - providing free access to expensive as well as free publications.
- libraries are open access providers for their institutions and patrons
- As a worldwide co-operative community, they guarantee access to the published information
- it is a corporate obligation to keep this mission in the information society of the future.
- Let´s do it together.

**The end
elmar@mittler.de**

Many thanks to my colleagues

- Graham Bulpitt
- Lorcan Dempsey
- Tony Hey
- Peter Schirmbacher
- Helen Shenton
- Sarah Thomas

National Licenses: Available Databases

deutsch

The ⬒ **Deutsche Forschungsgemeinschaft** (DFG - the German Research Foundation) finances access from anywhere in Germany to a large digital body of texts and subject databases in cultural studies, law, and the social and political sciences

◻ **Press release in German** (PDF-Datei 76 KB)

The purchase of nation-wide licenses was financed by four **research and university libraries** with financial support from the **Deutsche Forschungsgemeinschaft (German Research Foundation - DFG)**:

- Bavarian State Library
- Goettingen State and University Library
- Staatsbibliothek zu Berlin
- Universitaetsbibliothek Johann Christian Senckenberg Frankfurt/Main

The following databases are currently available:

| ⬒ **Periodicals Contents Index**	A bibliographical aatabase with more than 14 million entries from 4,600 humanities and social sciences journals published between 1770 and 1995 (inclusive)
⬒ **World Biographical Information System (WBIS)**	Several million short biographies from references works starting with the sixteenth century. Countries covered are the USA, Great Britain, France, Italy, Spain/Portugal/Ibero-America, Scandinavia, the Benelux, and Russia
⬒ **Early American Imprints**	All imprints from the U.S. from the years 1639-1800 (2.3 million pages)

nestor: Newsletter

Issue no. 8 (March 2006) of the nestor newsletter is now available at the nestor website

http://nestor.sub.uni-goettingen.de/newsletter/

Selection of topics:

▪ Press release: Integration of PADI metadata in the nestor information database

▪ 2005/2006: nestor has commissioned seven studies on digital preservation topics

▪ "Digital long-term preservation on microfilm" by Roland Dreyer

LIBRARY EXPERTS ONLINE

Contact | Feedback | Help
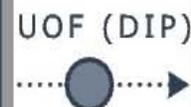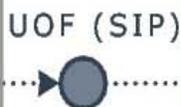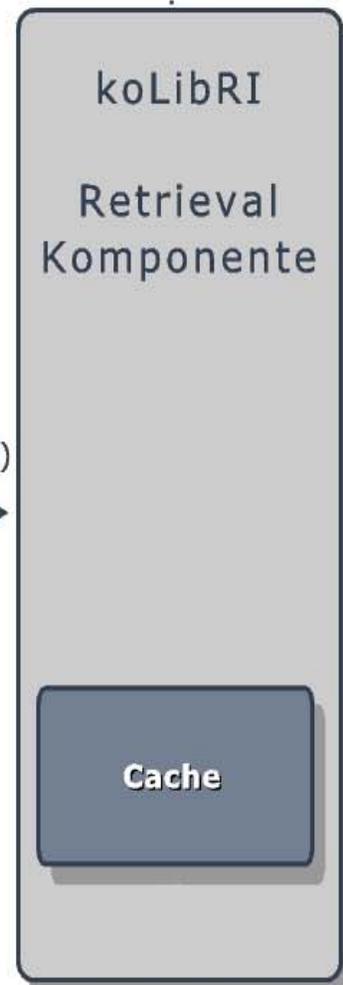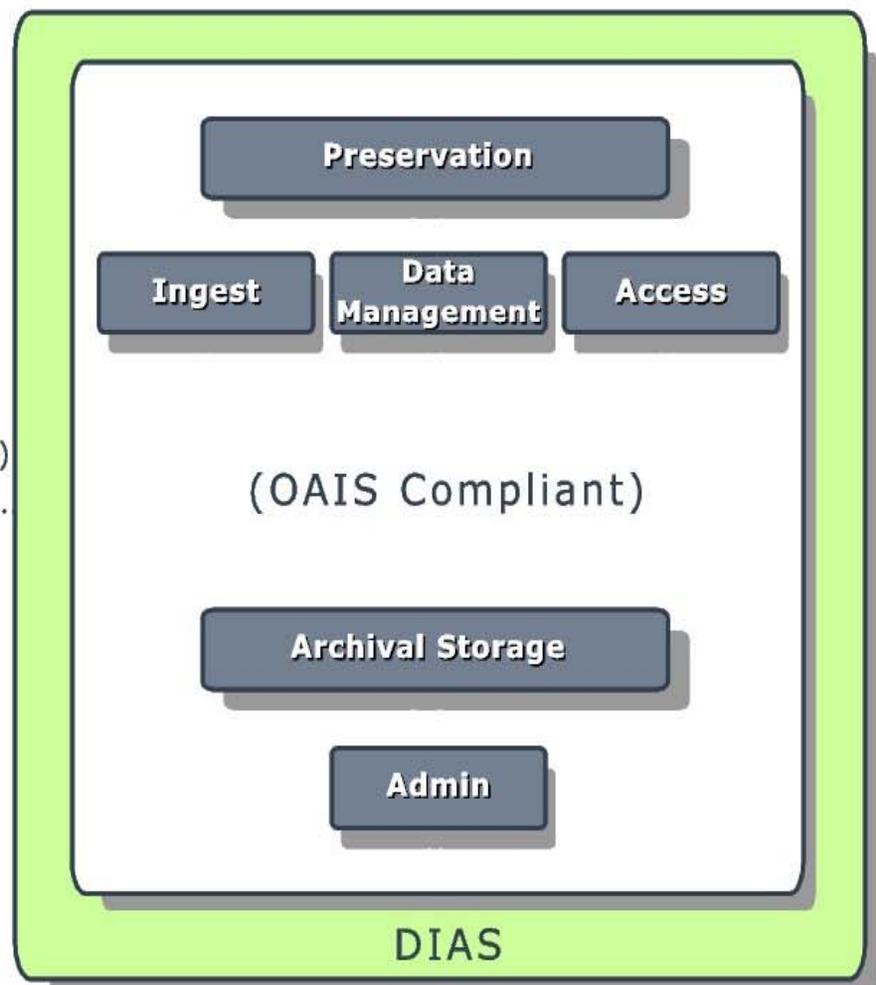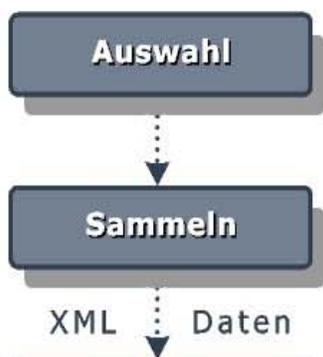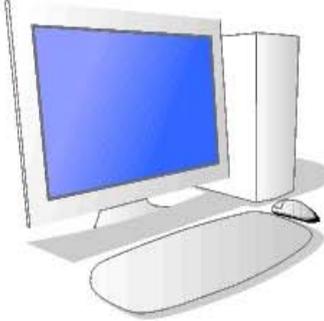
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Search and browse information resources of Earth Sciences and Mining

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Quick Search

Advanced Search

Thematic Search
– Earth Sciences
– Mining
– Geography/Cartogr.
– Maps

e-Journals (EZB)

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Searchhistory [0]
Saveset [0]
Profile Settings

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Username:

Password:

Submit

New? Sign in!
Forgot Password?

Quicksearch

[   ]

Search   ?

GEO-LEO Metasearch (books, journals, essays, maps, websites, full texts ...)

Thematic Search   ?

Earth Sciences
Geology, Mineralogy, Geophysics,
Petrology, Soil Science ...

Mining
Mining Technology, Mining Branches,
Geomechanics, Haulage ...

Geography/Cartography
Physical Geography, Climatic Geography, Applied
Geography ...

Maps
Europe, Asia, Africa, Oceans, Space,
Polar Zone ...

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Internet

ei Bearbeiten Durchsuchen Wechseln zu Favoriten ?

Zurück | Suchen Favoriten

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EZB: Access information

Electronic Journals Library

Technische Universität München Library

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> Abstracts of the Papers Communicated to the Royal Society of London ... London ...
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  ℹ Abstracts of the Papers Printed in the Philosophical Transactions of the Royal Society of London
  ℹ Acta Anatomica   Readme   Readme
  ℹ Acta Biotechnologica   Readme
  ℹ Acta Biotheoretica   Readme   Readme
  ℹ Acta Botânica Brasilica
  ℹ Acta Crystallographica Section D : Biological Crystallography [Biological Crystallography Online]   Readme

Local access information with local readme-links for each EZB member

University Library of Regensburg   Information Online 2003   14

Unbekannte Zone

Virtual Research Libraries

Virtual Library of **Anglo-American Culture**	
Virtual Library of **Contemporary Art**	ViFa ART
Virtual Library of **Dutch Culture**	NedGuide
Virtual Library of the History of **Eastern Europe**	vifaost ▶ virtuelle fachbibliothek osteuropa
Virtual Library of History **(Early Modern History)**	sfn
Virtual Library of **Economy and Business**	Econ Biz
Virtual Library of **History** CLIO-Online	Clio online
Middle East Virtual Library **MENALIB**	MENALIB
Politics and Peace Guide	politics and peace guide Virtuelle Bibliotheken Politikwissenschaft und Friedensforschung
Virtual Library of **Psychology**	Saarländische Universitäts- und Landesbibliothek
Social Science Virtual Library	ViBSoz

Cooperative Internet services –

- Websites
- Electronic material
- text repositories
- Print material

Virtual Library of **Engineering**	ViFaTec Ein Angebot der UB/TIB
Virtual Library of **Medicine**	MedPilot
Virtual Library of **Pharmacy**	ViFa Pharm
Virtual Library of **Physics**	ViFaPhys Ein Angebot der UB/TIB Hannover
Virtual Library of **Veterinary Medicine**	ViFa Vet

Convergence and dissolving of boundaries

- It is not enough just making resources available on the network
  - Have to be integrated into workflows
    - User workflow
    - Library workflow

- A library will source services within multiple deep collaborative and third-party arrangements
  - Need to standardize processes
  - Shared services – institution, interinstitution
  - More hosted services?
  - Organizational structures lacking

Die Bibliothek in die Universität bringen
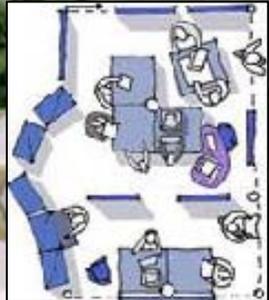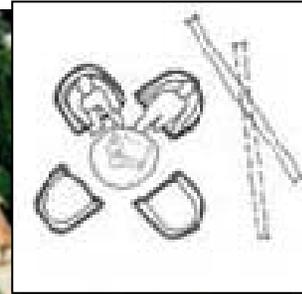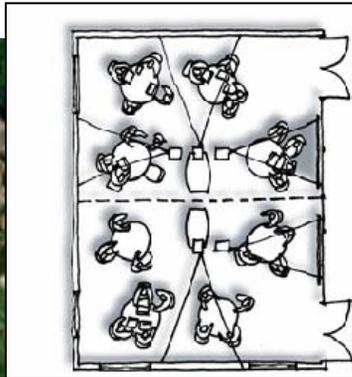
Beratung

Interaktive Lehre

Abgetrennte Arbeitsplätze

Gruppenarbeit

Angenehme Atmosphäre

Help desk

Sicherheit

Wohlfühlen

…and the Books?

Open access for the classified literture 1700 – 1900 - The Research Library of the SUB Göttingen