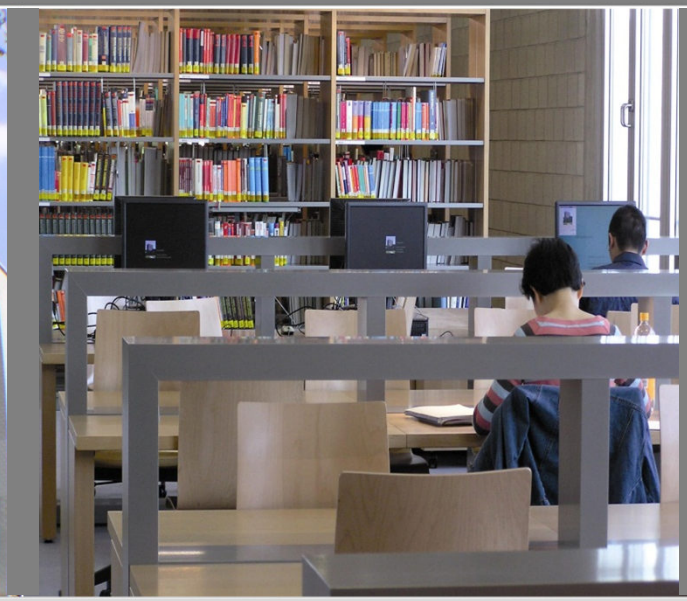
Librarians as Technology Experts: Libraries and IT Projects

Internet Librarian International 2014, London (UK)

Maike Abel, M.A.; Prof. Michael Mönnich, 21st October 2014

KIT-BIBLIOTHEK


Overview

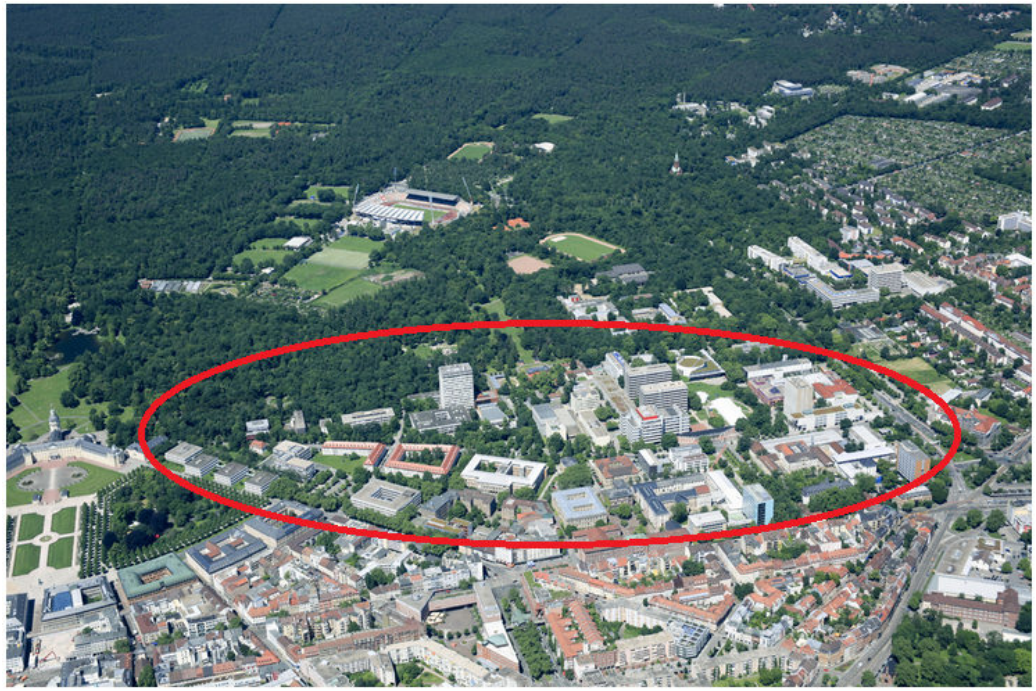
- The Karlsruhe Institute of Technology (KIT)
- The KIT Library
- Projects at the KIT Library
- Project openTA

The KIT - Karlsruhe Institute of Technology

- founded in 2009
- merger of Karlsruhe University and Research Centre Karlsruhe
- part of the Helmholtz Gesellschaft
- 5 campus locations
- approx. 24,000 students
- approx. 9,000 employees





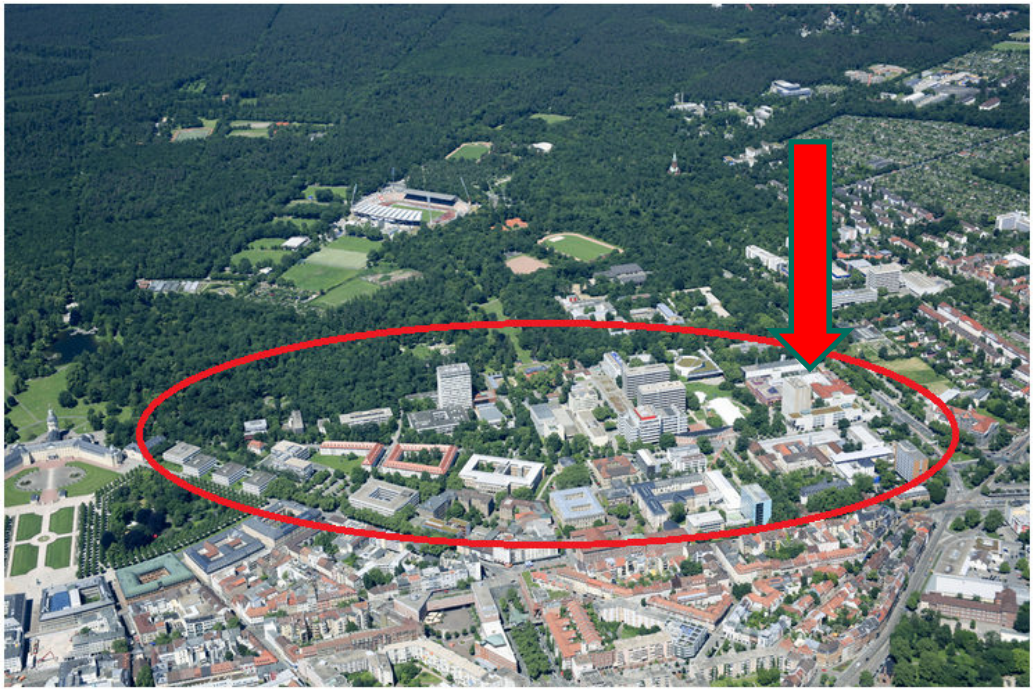


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The KIT Library in Figures

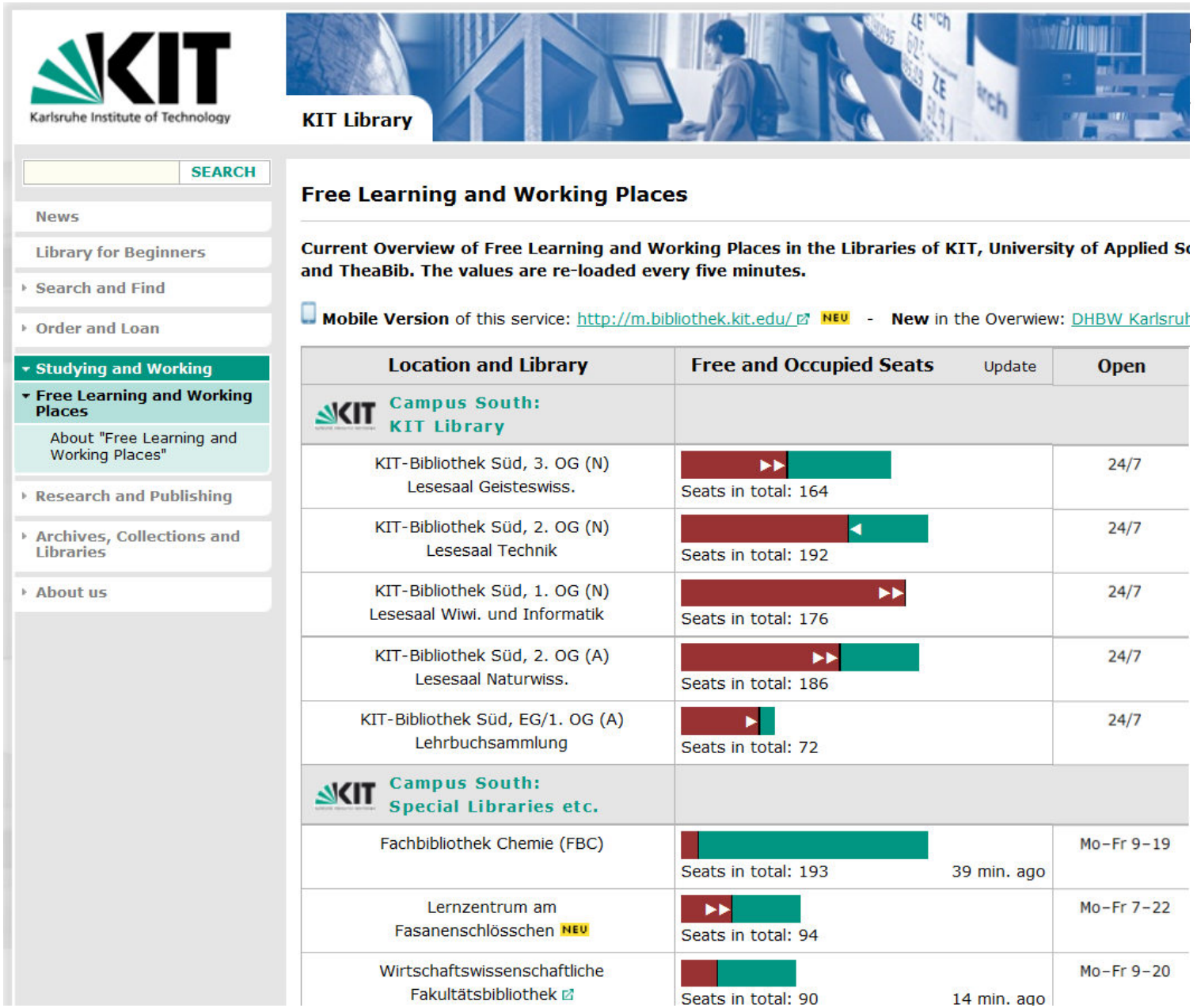
- budget for acquisition: 4.5 mio €
- holding: 1.8 mio items/media (90% science & technology)
- 1800 work places für users
- average number of visitors per day: 5.000
- 120 staff
- 24/7 opening hours





IT @ KIT Library

- 1988 OPAC
- 1992 client-server based cataloguing system (KARIN)
- 1994 client-server based ILS (OLIX)
- 1996 Karlsruher Virtueller Katalog (KVK) - meta catalogue of Germany's library holdings
- 1997 local document scan & delivery service (LEA)
- 1997 text file repository (EVA)
- 2001 video file repository (DIVA)
- 2004 open access electronic university press (today KSP). Today largest Univ. Press in Germany
- 2005 OPAC based on search engine technology swish-e (XOPAC)
- 2006 first library in Germany with 24 hour full service
- 2006 recommendation system for library catalogues
- 2012 Registry of Research Data Repositories (re3data)
- 2013 guidance system showing free learning places for students in Karlsruhe


Karlsruhe Institute of Technology
KIT Library
SEARCH
News
Library for Beginners
Search and Find
Order and Loan
Studying and Working
Free Learning and Working Places
About "Free Learning and Working Places"
Research and Publishing
Archives, Collections and Libraries
About us
Free Learning and Working Places
Current Overview of Free Learning and Working Places in the Libraries of KIT, University of Applied Sc
and TheaBib. The values are re-loaded every five minutes.
Mobile Version of this service: http://m.bibliothek.kit.edu/ NEU - New in the Overwiew: DHBW Karlsruh
Location and Library
Free and Occupied Seats
Update
Open
Campus South: KIT Library
KIT-Bibliothek Süd, 3. OG (N) Lesesaal Geisteswiss.
Seats in total: 164
24/7
KIT-Bibliothek Süd, 2. OG (N) Lesesaal Technik
Seats in total: 192
24/7
KIT-Bibliothek Süd, 1. OG (N) Lesesaal Wiwi. und Informatik
Seats in total: 176
24/7
KIT-Bibliothek Süd, 2. OG (A) Lesesaal Naturwiss.
Seats in total: 186
24/7
KIT-Bibliothek Süd, EG/1. OG (A) Lehrbuchsammlung
Seats in total: 72
24/7
Campus South: Special Libraries etc.
Fachbibliothek Chemie (FBC)
Seats in total: 193
39 min. ago
Mo-Fr 9-19
Lernzentrum am Fasanenschlösschen NEU
Seats in total: 94
Mo-Fr 7-22
Wirtschaftswissenschaftliche Fakultätsbibliothek
Seats in total: 90
14 min. ago
Mo-Fr 9-20

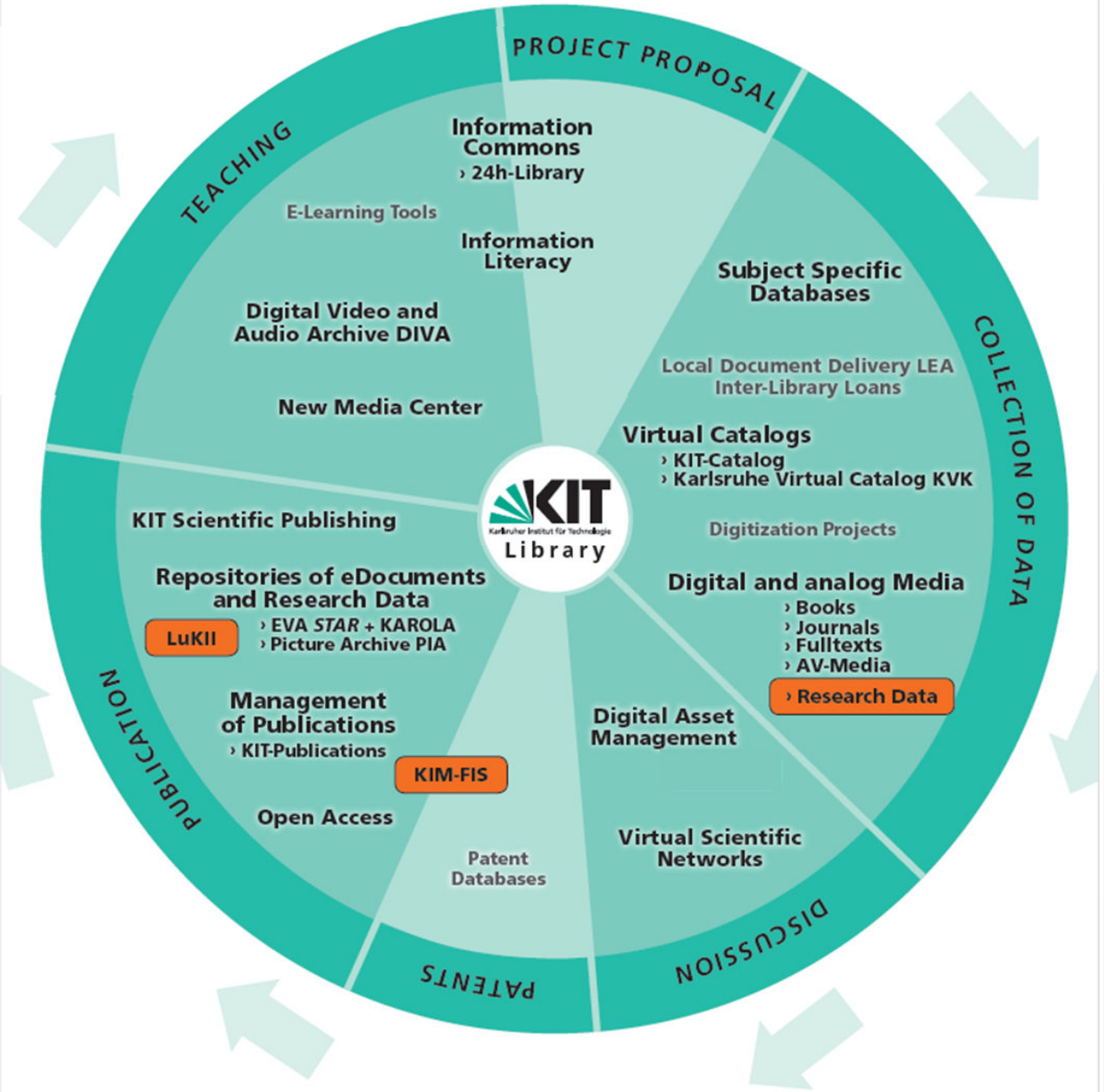
re3data.org
REGISTRY OF RESEARCH DATA REPOSITORIES

MO|RE data

bwDataDiss
infrastructure for describing, storing and linking research data and electronic thesis

NatHosting
Nationales Hosting elektronischer Ressourcen

OPEN TA
Fachportal Technikfolgenabschätzung



Project openTA

- funded by the German Research Foundation (DFG) for an initial 2-year period (Oct 2012-Oct 2014)
- 3 KIT partner institutes
- for and in cooperation with the Network Technology Assessment (NTA)
- 1 FTE from the KIT Library; plus 2 trained librarians at partner institute ITAS

Goal

„Developing a web portal[1] based on service-oriented architecture[2] for the TA[3] community[4].“

- 1: web portal => www.openTA.net
- 2: architecture => Liferay portal software, widgets, search engine technology (ElasticSearch), automated content acquisition (RSS, ics...)
- 3: TA => Technology Assessment = „ (...) a scientific, interactive, and communicative process that aims to contribute to the formation of public and political opinion on societal aspects of science and technology.” (Wikipedia)
- 4: community => Network TA (NTA) in Germany, Austria, Switzerland

openTA Services

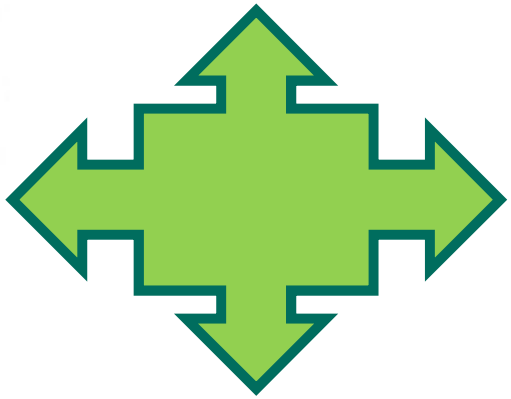


- community calendar
- member directory
- news aggregator
- database of bibliographic information
- blog
- information on TA

openTA Concepts

- open
- centralized
- portable
- automated
- community-driven







Technology Assessment



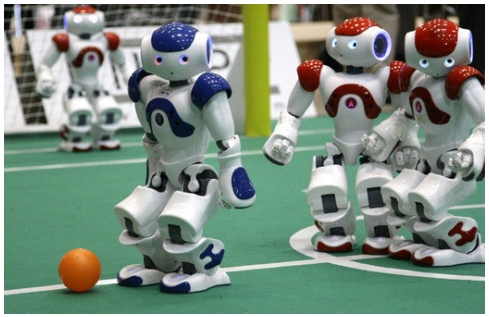
nanotechnology



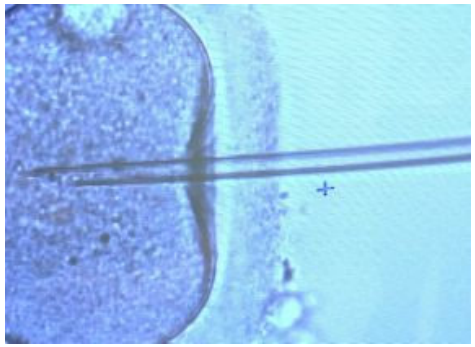
renewable energies



sustainability



robotics



stem-cell research



electromobility



nuclear waste

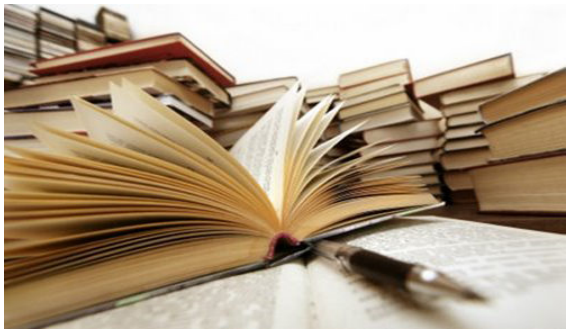
The Librarians‘ Tasks in the Project



RESEARCH



COMMUNICATION



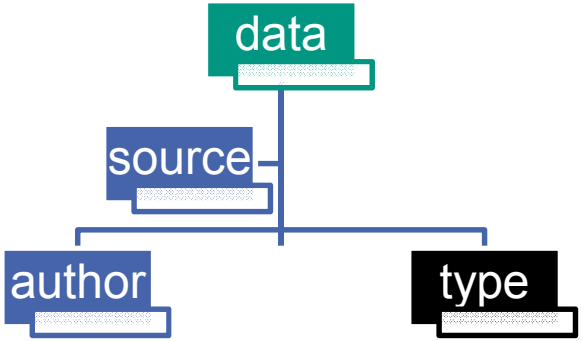




Research



- review
- evaluate
- test
- develop
- provide input







Communication



- SUPPORTING user community
- EXPLORING options for cooperation
- PROMOTING the services
- PRESENTING findings

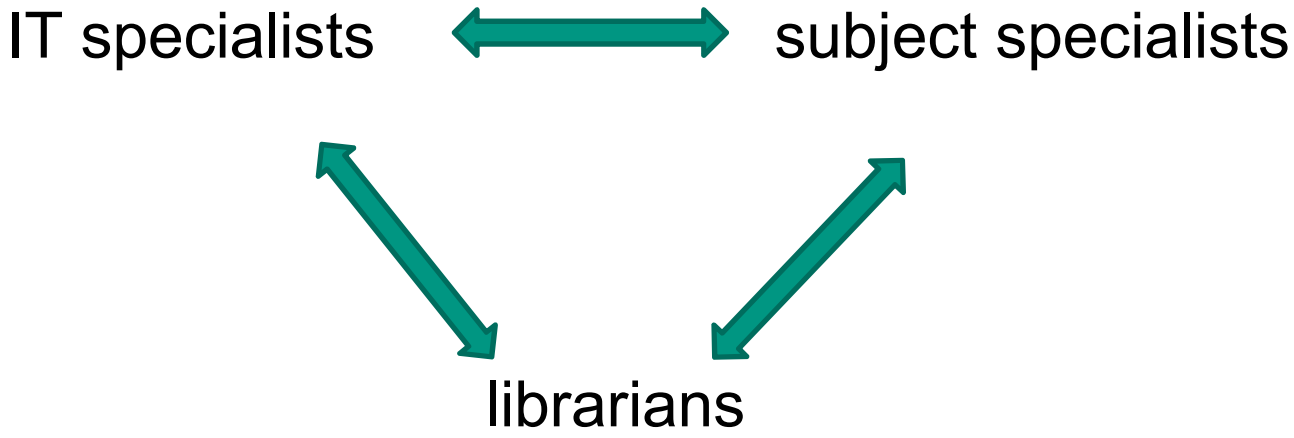
gesis

DEUTSCHE NATIONAL BIBLIOTHEK

The Wider Perspective: Useful skills for librarians active in IT-projects

- understanding of all aspects of metadata
  - bibliographic, multimedia, research data …
- ability to communicate with computer experts and programmers
- design of classification systems (content-related and formal)
- experience with user behaviour in the context of online search tools
  - design of user interfaces
  - indexing of data
- experience with all kinds of licensing issues
  - copyright, open access, authentification

Conclusion



- the new roles for librarians are based on traditional skills:
  - indexing of data
  - communication skills
  - design of information systems
  - anticipation of user's needs

Thank you!

Any Questions?

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