

The 9th Bielefeld Conference Upgrading the eLibrary



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Many papers, developments, ideas

- The Library is alive, but has to speed up to provide enhanced services and be relevant tomorrow!
 - Scholarly communication and Access
 - Involvement of the eLibrary in eResearch
 - Repositories
 - Digitization
 - Infrastructure
 - Impact of the library

- Consequences for Library professionals

Scholarly Communication and Open Access

- University administrators are gradually supporting Open Access and the development of institutional repositories
- Basic rule for all researchers should be: “Make your work digitally traceable, searchable, harvestable” (Sijbolt Noorda)
- Open Access can also bridge the Digital Divide (Claudia Lux)
- Debate on Golden and Green Road continues
- Peer review is important issue in the OA debate: 30% of publishing costs are in peer review (Michael Jubb)

- Find new metrics for scholarly communication (citation, ranking) (Van de Sompel)
- Research institutions can tender the reviewing job (Waaijers)

eResearch

- Data and data curation is becoming very important. Increasing number of eScience projects all over the world
- It is not a US based discussion anymore
- Combining information, identifying relations, sharing and re-using scientific data, sharing computer power, data analysis, connecting people, cross-disciplinarity
- Innovation more and more result of interdisciplinary work
- Repositories can play major role in this area
- Open Access will become the rule, also for data

>>The link with the role of the library is still not very clear! It is time to focus on these issues and embed our services in research practices and needs

Repositories

- Every university should have an institutional repository (Sijbolt Noorda), for publications, research data, multimedia information, learning resources
 - Repositories can/should be the starting point of value chains (Van de Sompel)
 - Repository networks are required, more interoperability needed (Driver)
- >> Let's focus on publications AND data. Europe and the US can learn from each other

Digitization

- Libraries are engaged in what Lynne Brindley has stressed in Bielefeld 3 years ago: Digitisation should be one of the spearheads of the research library
- Mass digitisation of most pre-1600 manuscripts at the BL
- Mass digitisation in Germany stimulated by the DFG
- Great efforts of libraries, museums and archives in Europeana: will stimulate mass digitisation in Europe
- Preservation of and Access to Cultural Heritage

Infrastructure

- Lack of interoperability (applications, data, services)
- Interoperability requires more standardization
- Infrastructure needed for data curation, archiving, preservation and access (Lipp)
- Rapid transition to e-Science requires e-Infrastructures (Campolargo)
- EU Strategy: Creating an European Scientific Data Infrastructure with e-Science Digital Repositories

The impact of the library

- The library is an asset, not a cost center
- References are vital in grants. Studies show that library resources are very well used in grant proposals (Tenopir)
- The eLibrary is valued by researchers and it has stimulated the productivity of researchers (Tenopir)
- High quality faculty require high quality access to information (Tenopir)
- We can and should do more with the information on usage, views of Webpages etc.

Consequences for Library professionals

- From the old paradigm [collection centric, publication focused, control, mediation] towards a new paradigm.
- Important are understanding scholar behavior and processes in various disciplines, engagement with research community and creation of a virtual research community (Wendy Lougee)
- Institutional data support: Think about data auditors, metadata creators, data curators, data trainers to assist faculty and students (Lippincott)

New competences

- What kind of people do we need in the library to make a difference and to play a role in the new paradigm ?

Collaborators, synthesizers, explainers, localizers, leveragers (Lougee)

- >> Staff who understand the processes of teaching, learning and research
- >> Staff who can partner with teachers and researchers
- >> Staff with specific competences (eg. data curation)

- >> The profession needs a new set of commitments

Some final observations

- Open Access
- Google
- Relevance
- Network
- Co-operation
- **Research data**
- **Communities**
- **Paradigm shift**

Let's move on and Upgrade the eLibrary