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Journal digitalisation in Europe

LOSSAU, Norbert
Bielefeld University Library

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Journal Digitisation in Europe

**Norbert Lossau at
The LIBER 2003 Annual Conference
Rome, Italy**

Three years before

13-14th March 2000, Copenhagen

Digitising Journals - Conference on future strategies for European Libraries

Organised by: LIBER, Denmark's Electronic Research Library, EU-project DIEPER, JSTOR, NORDINFO (Nordic Council for Scientific Information)



Three years before

Presentations (selection)...

- Digitising journals and the eLib programme
- DigiZeit
- DIEPER – providing web access to retro-digitised periodicals at multiple sites
- Digitising journals: Highlights from the JSTOR's experience
- A European model: Organisation



Topics today

- Why digitising *journals* ? – the attractiveness of a publication type
- Who is digitising? Libraries and other actors
- Digitisation programmes and activities in Europe
- Selection criteria
- Copyright clearance
- Digitisation - technical aspects



Topics today

- Access to single repositories and digital objects
- Archiving / long term access
- Organisational and business models
- Outlook: journal digitisation in Europe and beyond
- Current collaboration within Europe in the public sector



Why digitising *journals*? – the attractiveness of a publication type

- Cultural, literary journals are valuable source material for historical research
- Often incomplete runs at one single library/institution
- Improved access on article level -
Indexing of historical journals has often been funded in the past (e.g. Göttingen Academy of Science) – linking to full text or electronic facsimile is of great interest



Who is digitising? Libraries and other actors

Europe

- National and academic libraries
- Learned societies (in particular mathematicians)

U.S., in addition

- (Not-for-profit) organisation (Jstor)
- Publishers (e.g. Heine)



National, general digitisation programmes and activities in Europe (selection)

- UK: *nof – New Opportunities Fund*
- France: *National Digitisation Programme (focus: BNF)*
- Germany: *Deutsche Forschungsgemeinschaft, DFG*
- Austria: *Austrian Literature Online (ALO)*
- Other countries follow ...?





Journal digitisation programmes and activities in Europe

- *DIEPER* (1998 – 2000/2001), EU
- *DigiZeitschriften*, Germany
- NUMDAM, France (mathematical journal published in France)
- [Gallica, France]
- Denmark's Electronic Research Library (DEF) (no activities documented yet)
- DML-EU, National and European Mathematical societies (EU FP6 proposal)
- Project activities within national funding programmes (e.g. NOF, UK; DFG, Germany)...





Journal digitisation programmes and activities in Europe

Samples for Germany:

- Jewish Periodicals in the German language area / Collaborative project of libraries and scholars in Aachen, Frankfurt and Cologne
- Scientific Review Organs and Literary Magazines of the 18th and 19th Century in the German Language Area / Bielefeld University Library
- Law journals of the 19th century /Library MP Institute, Frankfurt
- Mathematical journals, Göttingen State and University Library, Digitisation Centre



Newspaper digitisation programmes and activities in Europe (samples)

- British Library Online Newspaper Archive
- *Tiden*, joint nordic project





Journal digitisation programmes and activities outside Europe

- Australian Periodical Publications 1840-1845 (University of Sydney Library, State Library of New South Wales, National Library of Australia and Monash University Library)
- Papers Past: selected 19th century New Zealand newspapers and periodicals
- JSTOR
- HeinOnline



Selection criteria

Relevance for research

- Key journals in the history of humanities and Science (national academies, review organs, cultural and literary journals)
- Core scholarly journal literature (subject based and interdisciplinary)
- Rare copies of (historical) journals



Copyright clearance

- Central clearinghouse / institution (e.g. HERON, UK)
- Local copyright clearance (majority of projects)





Digitisation - technical aspects

Some guiding principles:

- The use of (interoperable) standards is essential!
 - Monitoring and controlling quality – essential esp. for large scale programmes!
 - Content determines technical procedures!
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- Scanning
 - Full text capture
 - Metadata capture
 - Permanent online addresses



Access to single repositories and digital objects

- Allow for multi-way access
- Content determines type of access to digital objects (e.g. TOC, indexes – annual or cumulative, classifications)
- Browsing facilities as important as search facilities
- Consider non-expert users





Archiving / long term access

- First of all not only a question of technology – but of policy and strategy (incl. implementation)
- “Trusted” repositories and host/institution
- Using standards for your archival data is essential – but they need to be practicable
- Creating multiple copies and keeping them at separate places is an advantage of digital data



Organisational and business models

- Central production model
- Decentralised production model

- Free access
- One time fee plus annual fee
- Only annual fee
- Packaging of journals





Current collaboration within Europe in the public sector

EU Digitising Content Together Initiative –
Cultural heritage centred, public digitisation
initiative



Current collaboration within Europe in the public sector

EU-Project MINERVA (Ministerial Network for Valorising activities in digitisation)





Current collaboration within Europe in the public sector

- *Coordinating digitisation in Europe*

Progress report of the National Representatives Group: coordination mechanisms for digitisation policies and programmes 2002.

European Commission: The Information Society Directorate-General, 2003, 243 p.

- *Best Practice Handbook, 2003*

The Minerva Working Group WP6 (Identification of good practises and competence centres)



Outlook: journal digitisation within Europe AND beyond

- As one part among others of a national programme (e.g. France)
- One publication type within subject / thematic areas (mathematics)
- As programme within an academic discipline (e.g. law – Hein Online)
- As national programme (e.g. DigiZeitschriften, Germany)





Outlook: journal digitisation within Europe AND beyond

Some requirements

- **Standards**: basic technical (e.g. scanning), text (XML) and metadata standards (e.g. OAI, METS), permanent online identifiers (e.g. URN, DOI)
- **Integrated**, highly scalable and performant **access** to ALL digital journal repositories (e.g. through intelligent web search technology like FAST Data Search)
- **Long term access** strategy and implementations (“trusted repositories”)
- **Central directory** of digitised journal (resp. plans to digitise) – DIEPER/EROMM?



Outlook: journal digitisation within Europe AND beyond

- “Acquisition” of digitised journals at a local level (e.g. academic libraries), integration into local, general digital or subject based portals
- Active promotion to the scientific community, e.g. through national, subject based gateways (e.g. DNER, UK)



Outlook: journal digitisation within Europe AND beyond

Organisational form

- Decentralised, collaborative, “Top supported model” (Network of institutions) instead of “Top down model” (central organisation)

Collaboration

- The need to collaborate with JSTOR and other content providers





Thanks for your attention!

lossau@ub.uni-bielefeld.de