



Koninklijke Bibliotheek  
National library of the Netherlands

# Trends

in Archiving and Preservation of

# E-Journals

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“Elsevier fully appreciates the need to provide assurance to the scholarly community and to subscribing libraries that electronic content of journals and books we publish will be available forever”

*Elsevier Library Connect, pamphlet 10,p11*



## The *international* e-Depot of the KB 2007

- *Mission*: ensures permanent access to the published records of science
- Developments 1993/2000/2002/March 2003 operational
- Contracts with Elsevier/Kluwer Academic/Biomed Central/Blackwell/Oxford University Press/Taylor & Francis/Sage/Springer/Brill Academic/IOS Press
- 2007: 10 Million articles/5000 titles



## Archiving & Preservation worldwide

**2007**

- Portico/LOCKSS/CLOCKSS/KB e-Depot/kopal/DNB/Others (also in development-stage) in USA, Canada, Europe, Asia/Africa?/South-America?
- Different technical systems
- Dark/dim/light archives
- Accreditation/audits

## The Records of Science

### *Publishing results of research*

- In *printed* form: journals and books. Model of creating, producing & dissemination, and of archiving of research results on paper is clear (international agreements based on national imprint)
- In *electronic* form: next to e-journals, e-books, other models of creating publications/dissemination of knowledge appear. No native 'home'. Who archives & preserves what and how?

## E-Journals

### *Facts & Figures:*

- Part of process of scholarly dissemination
- English-language STM: 657 journal publishers
- Publishers: learned societies, university presses, commercial publishers (30%/2%/64%)
- Total output 1.4 M. articles /about 21.000 scholarly journals online
- Growth about 3 % /3.5 % per year
- Open Access: 2200-2500 journals

## *Main stakeholders*

### **Researchers**

- ✓ build on the results of published records of science (readers)
- ✓ create new records of science (authors)

### **Publishers**

- ✓ produce & disseminate publications

### **Libraries**

- ✓ give access to publications
- ✓ Long term archiving and preservation of information resources (permanent access)

### ➤ **Changing roles between these stakeholders**

## Researchers in the e-world

### **5.5 million researchers looking for and creating e-content:**

- *Search engines* formal science publications
- *Alert-systems* to new knowledge in specific area's
- *Informal hubs* or other e-communities in specific area's of research/'publication' of research results among fellow researchers/publishing integrated aspect of scholarly research
- *Journals / Open access-journals*
- *E-content* provides multi-varied possibilities for supplying all information and sources used/links/datasets etc./use of audiovisuals etc/text- and data mining

## Publishers in the e-world

- *Registration*: authoritative publication still publishers role/top 10 % publications=40 % international impact on rankings universities
- *Dissemination*: publisher (official website) meets researcher providing access (via institutional or personal repositories)/open access journals
- *Peer review*: system still holds, but might change
- *Archiving*: storage done by publisher; long term archiving by dedicated libraries and other organisations (contracts)

## Libraries/others in the e-World

### Long term archiving and preservation

- Definition of publication?
- Technical challenge: structural R&D efforts (standards/tools)
- Organisational challenge: policies/procedure; workflow/e-library staffing etc
- Financial challenge: investments & operational costs
- Archiving and preservation of scholarly output worldwide *beyond individual* libraries/other archiving organisations of the records of science

## The Safe Places Network

- A limited number of institutions dedicated to permanent archiving and preservation of the published records of science
- To share responsibility for complete, world-wide coverage and allocate tasks accordingly

### *Network members :*

- Proven performance/certification
- Long-term funding/stable political environment
- Clear disclosure policies (content/selection criteria)
- Ongoing research/collaborate/share information



## Trends = Challenges & Changes

- Form of academic publication will change
- Academic publishing intertwined with scholarly research process
- Peer reviewed publishing stays (?short/middle term)
- Open access publishing is growing
- Operational solutions/standards market for profit sector
- Need for long term archiving & preservation by trustworthy organisations
- Sharing knowledge and responsibility archiving organisations around the world

# Work in progress!



**Thank you**

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