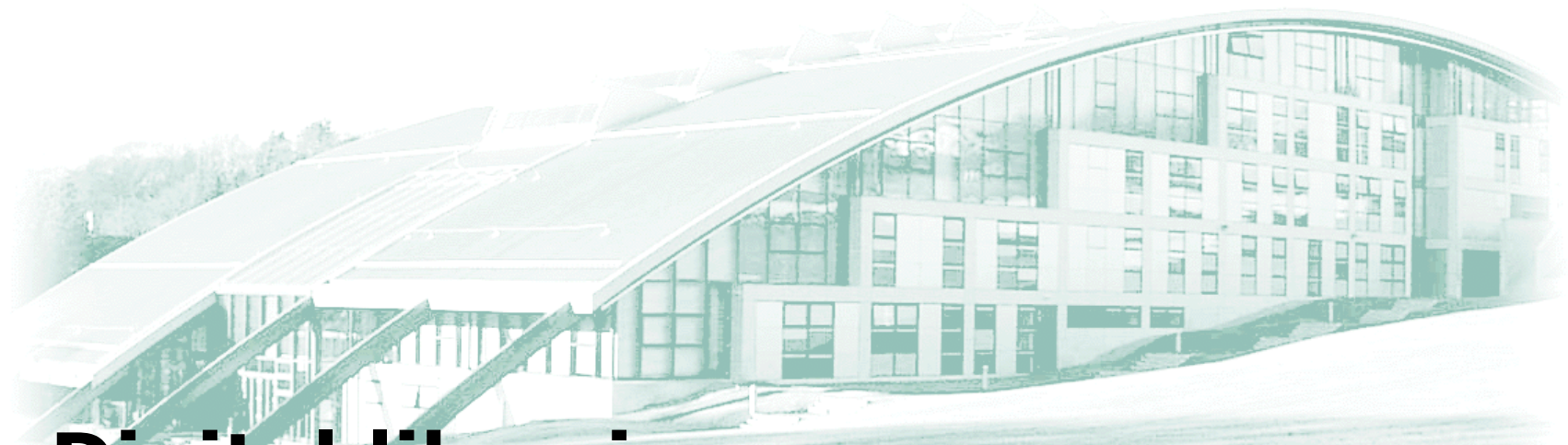




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Digital libraries in European higher education – opportunities and challenges

Ian Johnson



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OVERVIEW

- ❖ **The role of libraries**
- ❖ **Digital media**
 - **Electronic books and journals**
 - **Institutional repositories**
- ❖ **New services**
- ❖ **New skills**

A CHANGING ENVIRONMENT

- ❖ **1997 - electronic publishing forecast to be 5 - 15% of the market by 2002**

- ❖ **2006 - 90% of [English language) scholarly journals now available electronically**

THE ROLE OF LIBRARIES

❖ **Supporting students and teachers**

❖ **Supporting researchers**

SUPPORTING STUDENTS

- ❖ **Computer provision in libraries**
 - **Changing design concepts?**

- ❖ **24/7 access on and off campus**
 - **E-induction**
 - **E-reference**

- ❖ **Multiple sources**
 - **Single access**

SUPPORTING TEACHERS

❖ **Facilitating access to e-resources**

❖ **E-literacy**

➤ **Critical evaluation**

➤ **Plagiarism**

CHANGES IN THE CULTURE OF UNIVERSITIES

- ❖ **Blurring of boundaries between the role of teachers and librarians**

❖ **Table of Contents alerting services**

❖ **Older journals**

➤ **Barriers to digitisation**

➤ **Alternatives to digitisation**

- **Inter-library loan**

- **Electronic document delivery**

CONSOLIDATION IN THE INDUSTRY

❖ Global market share of scientific journals

28.2% - Elsevier

14.1% - Springer

9.5% - Thomson

3.9% - John Wiley

3.6% - Taylor and Francis Ingenta

3.6% - American Chemical Society

3.6% - Blackwell Publishing

66.4%

INDEXING SERVICES

❖ **ISI Citation Indexes**

❖ **Emerging challenges**

➤ **SCOPUS**

➤ **Google Scholar**

- ❖ **Quality control**

 - **Peer review**

- ❖ **Copyright**

- ❖ **Marketing**

 - **Indexing services**

 - **CrossRef**



OPEN ARCHIVES / INSTITUTIONAL REPOSITORIES

- ❖ **Advocacy – getting content**
- ❖ **Copyright**
- ❖ **Metadata creation**

OPEN ACCESS PUBLISHING

❖ **Free to the user, but who pays?**

➤ **Sustainability**

- **Preservation**

❖ **Language barrier**

CHANGES IN THE INFORMATION SECTOR

- ❖ **Blurring boundaries between industry sectors**
 - **Converging roles of players in the industry**

- ❖ **Awareness of the commercial and ethical issues**
 - **Publishing skills**
 - **Negotiating skills**
 - **Collaborative purchasing**

NEW ROLES AND SKILLS?

- ❖ **Developing tools and services to help users**
 - **Appropriate levels of ICT skills**
 - **Pedagogic skills**
 - **Business skills**

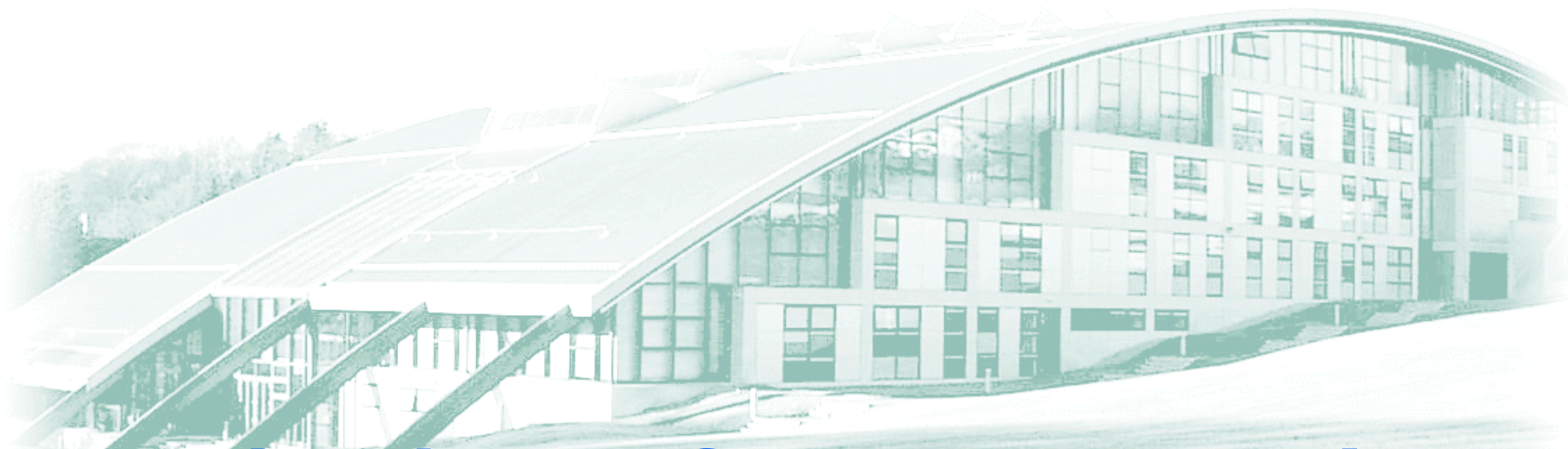
- ❖ **Changing cultures**
 - **Management**
 - **Personal, transferable skills**

 - **Leadership**



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Thank you for your attention
Questions?
Comments?