research information network

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The Researchers' Perspective

Michael Jubb
Director
Research Information Network

Researchers' Perspectives

- *The UK Research Community*
- *Their Interest in Digital Preservation*
- *Publications and Other Research Outputs*

The UK Research Community

Higher Education

- c 75,000 researchers
  - 26% life sciences and medicine
  - 26% physical sciences and engineering
  - 48% social sciences, arts and humanities

Government and Industry

- *c 116,000 researchers*

Researchers = 0.6% of the UK workforce

- *US and Japan 0.9%*
- *EU average 0.5%*

Library staff in UK

- *c 10,000 staff in academic libraries, of which c 3,000 professional staff*
- *CILIP membership 14,644 (2003-04)*

Expenditure on Research and Development

UK Government Expenditure

- *£11,055m total*
  - **£5,227m Research Councils and Higher Education Funding Councils**
  - **£2,523m Government Departments (civil) and EU**
  - **£3,345m Defence**

UK Total Expenditure

- *c £21,000m ($30,000m)*
  - US Expenditure $275,000m
  - German Expenditure $53,000m
- *UK accounts for c4.0% of OECD expenditure on R&D*

Researchers' Interest in Preservation

- *Researchers are both producers and users of information*
- *The dissemination and knowledge transfer imperatives*
  - *Bibliometrics, career progression and the assessment of research quality*
  - *Responsiveness and links between the research base and the economy*
- ***Access** through delivery to the desktop*
  - *Metadata, provenance, citation linking, authenticity and version control, common platforms and interoperability*

Publications and Other Outputs

Production

- *UK produces c70,000 articles annually*
- *c 15,000-20,000 journals worldwide*
- *c 1m articles published annually*
- *growth rate of c 3-3.5% annually*

Citation

- *UK accounts for c 12% of global citations*
- *Huge disciplinary differences, but*
  - *c 10% of papers never cited in another paper*
  - *citations continue to accumulate for c 8 years*

Data and Other Outputs

- *E-science and the data deluge*
- *Images, performances, sounds, software*
- *11.5bn pages on the publicly- indexable Web 2005*

- *"I can get access to my own data; what I want is access to other people's data"*

Data and E-infrastructure

Increasing interest in how to preserve and provide access to research information

- *UK E-Infrastructure Steering Group*
- *OECD Ministerial Declaration on Access to Data from Publicly-Funded Research*
- *US CyberInfrastructure Report and NSB Report on Long-Lived Data*
- *Australian Research Information Infrastructure Committee*

Key Goals and Principles

Ideas and knowledge derived from publicly-funded research should be made available and accessible for public use, interrogation, and scrutiny, as widely, rapidly and effectively as practicable

- *explicit rules and codes of practice*
- *standards, quality assurance and peer review*
- *access in a managed environment*
- *efficient and cost-effective use of public funds.*