

# Pulling Together the Threads at OAI5

Dr Paul Ayriss

Director of UCL Library Services  
and UCL Copyright Officer

e-mail: [p.ayris@ucl.ac.uk](mailto:p.ayris@ucl.ac.uk)

## Content

- Scholarly Communication – New Definition
- Brussels meeting 15-16 February 2007
- New Developments – Gap Survey
- New topics – Overview of some Workshop Themes
  - Advocacy and Content
  - New Services - Overlay Journals
  - New Tools - Digital Curation
- Conclusion

# Scholarly Communication – New Definition

- Scholarly Communication – New Definition
- Brussels meeting 15-16 February 2007
- New Developments – Gap Survey
- New topics – Overview of some Workshop Themes
  - Advocacy and Content
  - New Services - Overlay Journals
  - New Tools - Digital Curation
- Conclusion

# Scholarly Communication

## - what do we mean?

- ❑ Scope of the term is wider than "scholarly publishing" and covers the authoring, publishing (in a broad sense), and reading of information produced by members of the academic community for teaching or research. "Information" in this context may be in a variety of formats.  
(CURL/SCONUL definition)
- ❑ Stakeholders usually defined simply as
  - ❑ Authors + Publishers + Librarians + Readers
- ❑ Other stakeholders not usually included in the debate
  - ❑ This needs to change

## Definition

- ❑ Scholarly Communication encompasses **everything** that researchers, teachers and learners need in order to be effective – **and this makes Open Access dissemination important**
- ❑ **New definition**
- ❑ The authoring, publishing, dissemination, and reading of information produced for teaching, learning or research in whatever format,
- ❑ **with the tools, measures and systems needed to provide access to and store these materials in perpetuity**
- ❑ It is an **inclusive** definition – **of both partners and processes**

## Brussels meeting

- Scholarly Communication – New Definition
- Brussels meeting 15-16 February 2007
- New Developments – Gap Survey
- New topics – Overview of some Workshop Themes
  - Advocacy and Content
  - New Services - Overlay Journals
  - New Tools - Digital Curation
- Conclusion

## What was the significance of the meeting?

- Major statement of interest by the European Commission
  - Presentations available at [http://ec.europa.eu/research/science-society/page\\_en.cfm?id=3459](http://ec.europa.eu/research/science-society/page_en.cfm?id=3459)
- EU did not mandate deposit of all materials into Open Access sources across Europe
- Perhaps Conference was first public occasion when Open Access was accepted as a serious model for publishing and dissemination alongside commercial models
  - If true, then this may turn out to be historically significant...

## New Developments – Gap Survey

- Scholarly Communication – New Definition
- Brussels meeting 15-16 February 2007
- New Developments – Gap Survey
- New topics – Overview of some Workshop Themes
  - Advocacy and Content
  - New Services - Overlay Journals
  - New Tools - Digital Curation
- Conclusion



## Research Information Network (UK) – Gap Survey of our understanding of journal publishing

- ❑ Analysis of data on scholarly journals publishing
  - ❑ Published under the auspices of the Research Information Network
  - ❑ <http://www.rin.ac.uk/data-scholarly-journals>
  - ❑ Research undertaken by EPS Ltd



## 4. Citations, impact factors and their role

Are traditional (i.e., subscription-based) journals more likely to be cited than OA journals?

Key methodological challenge: article cannot be OA + non-OA at the same time = no like-for-like comparison

Deposit of articles in OA repositories seems to be associated with a larger number of citations, and earlier citations for articles

But *reasons* for this not clear. The little existing evidence suggests that authors put their *best* work into OA format

Evidence of IF advantage for OA journals over toll-access journals less consistent - one study of a hybrid journal shows higher citation counts for OA articles than subscription-access articles - but only covers one journal = more work is needed

- ➔ Evidence scattered, uses inconsistent methods and covers different subject areas
- ➔ Consistent longitudinal data on IF trends needed
- ➔ Qualitative factors should not be ignored - range of factors can affect citation counts



## 6. Cost/impact of alternative dissemination models

What are the costs involved in publishing OA journals?  
What is the impact of digital repositories on the economics of publishing?

Some acceptance that many costs common to both OA + conventional journal publishing = can be cancelled out in the 'equation' (e.g. 'first copy' costs, server and software costs)

Evaluation of cost impact of alternative models presupposes understanding of existing models. But no solid comparators to compare OA costs against!

How will OA publishing models be funded? Early evidence that institutionally-based solution potentially inequitable

Evidence that repositories are an important new factor in the journal cancellation decision process, *but* no evidence yet to demonstrate any relationship between subscription cancellations and repositories.

- ➔ Paucity of evidence generally in this area
- ➔ Critical gap: study on money flow implications of new models
- ➔ Further gap: what is their impact on quality of research communications (peer review)?

## New Services – Overlay Journals

- Scholarly Communication – New Definition
- Brussels meeting 15-16 February 2007
- New Developments – Gap Survey
- New topics – Overview of some Workshop Themes
  - Advocacy and Content
  - New Services - Overlay Journals
  - New Tools - Digital Curation
- Conclusion

## 5 specimen counts from UK repositories

Repository 1	821 records
Repository 2	2521 records
Repository 3	512 records
Repository 4	93 records
Repository 5	69 records

## What does this tell us?

- In terms of RoI (Return on Investment)
  - Well over £17 million of public money has been spent on the UK repository system at a national level
  - Is the Return on Investment terrible...
  - Has advocacy been a failure...?
- What other statistics can we use?
  - Better results come from usage
  - Particularly for institutional content
    - Research theses particularly important

## UCL LIBRARY SERVICES

[UCL home](#) >> [Library home](#) >> [UCL Eprints](#) >> [Statistics](#)

### Navigation

[Home](#)  
[About](#)  
[Browse](#)  
[Search](#)  
[Alerts](#)  
[Deposit](#)  
[Research funders' policies](#)  
[Statistics](#)  
[FAQ](#)

### Statistics

Top 20 downloads from UCL Eprints for March 2007.

Rank	Paper	Number of downloads
1	Conroy Dalton, R. (2001) <i>Spatial navigation in immersive virtual environments</i> . Thesis (Doctoral.PhD), UCL (University College London).	204
2	Washer, P. and Joffe, H. (2006) <i>The hospital 'superbug': social representations of MRSA</i> . <i>Social Science and Medicine</i> , 63 (8). pp. 2141-2152. ISSN 02779536	190
3	McLeod, R. and Wheatley, P. and Ayris, P. (2006) <i>Lifecycle information for e-literature: full report from the LIFE project</i> . Research report. LIFE Project, London, UK.	145
4	Hermans, T. (1996) <i>Norms and the determination of translation: a theoretical framework</i> . In: Alvarez, R. and Vidal, M., (eds). <i>Translation, Power, Subversion</i> . Topics in Translation. Multilingual Matters, Clevedon, England, pp. 25-51. ISBN 1853593508	140
5	Vaughan, L. (2002) <i>The unplanned 'ghetto': immigrant work patterns in 19th century Manchester</i> . In: <i>Cities of Tomorrow: the 10th Conference of the International Planning History Society</i> , July 2002, University of Westminster, London, UK.	137
6	Miller, William L. (1995) <i>The picture and the letter: male and female creativity in James Joyce's Finnegans Wake</i> . Thesis (Doctoral.PhD), University of New South Wales.	122
7	Vaughan, L. and Clark, D.C. and Sahbaz, O. and Haklay, M. (2005) <i>Space and exclusion: does urban morphology play a part in social deprivation?</i> <i>Area</i> , 37 (4). pp. 402-412. ISSN 00040894	121
8	Kalra, D. (2002) <i>Clinical foundations and information architecture for the implementation of a federated health record service</i> . Thesis (Doctoral.PhD), UCL (University College London).	118
9	Adell, German (1999) <i>Theories and models of the peri-urban interface: a changing conceptual landscape</i> . Literature review. Development Planning Unit, UCL, London, UK.	114
10	Cassar, M. (2005) <i>Climate change and the historic environment</i> . Centre for Sustainable Heritage, University College London. London. UK. ISBN 0954483065	112

## New Services – Overlay Journals

- Scholarly Communication – New Definition
- Brussels meeting 15-16 February 2007
- New Developments – Gap Survey
- New topics – Overview of some Workshop Themes
  - Advocacy and Content
  - New Services - Overlay Journals
  - New Tools - Digital Curation
- Conclusion



## RIOJA

- RIOJA – funded by JISC Capital Programme (April 2006)
- Repository Interface for Overlaid Journal Archives
- Academic-led project
  - Illustrates the use of the RIOJA tool to facilitate the overlay of peer review onto repository content
- Importance is that it shows how repositories can add value?

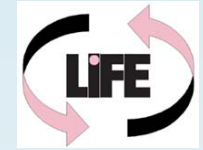
## And...

- ❑ RIOJA
  - ❑ Will explore social and economic aspects of building certification onto repositories in support of the creation of overlay journals
  - ❑ Carry out a survey of researchers from the field of Astrophysics and Cosmology
  - ❑ Aim to deliver a continuation plan for the demonstrator journal, founded on a cost-recovery business model tested on the Astrophysics and Cosmology community
- ❑ RIOJA futures?
  - ❑ Project is talking to Arts and Humanities community about another exemplar
  - ❑ Economics of publishing is especially important in these areas
  - ❑ RIOJA may be a cost-effective model here

## New Services – Overlay Journals

- Scholarly Communication – New Definition
- Brussels meeting 15-16 February 2007
- New Developments – Gap Survey
- New topics – Overview of some Workshop Themes
  - Advocacy and Content
  - New Services - Overlay Journals
  - New Tools - Digital Curation
- Conclusion

## LIFE – Digital Curation



- ❑ LIFE project is a collaboration between UCL Library Services and the British Library, funded by the JISC
- ❑ LIFE 1 has developed a Generic Preservation Model for costing digital curation at an item level

Preservation =  
Technology watch + Preservation frequency \* Overall preservation action

- ❑ Fits into formula for identifying whole lifecycle costs over time at <http://eprints.ucl.ac.uk/archive/00001854/01/LifeProjMaster.pdf>

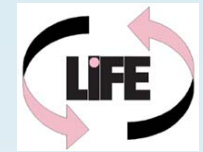
Lifecycle Element	Acquisition	Ingest	Metadata	Access	Storage	Preservation
Element 1	Selection (Aq1)	Quality Assurance (I1)	Characterisation (M1)	Reference Linking (Ac1)	Bit-stream Storage Costs (S1)	Technology Watch (P1)
Element 2	IPR (Aq2)	Deposit (I2)	Descriptive (M2)	User Support (Ac2)		Preservation Tool Cost (P2)
Element 3	Licensing (Aq3)	Holdings Update (I3)	Administrative (M3)	Access Mechanism (Ac3)		Preservation Metadata (P3)
Element 4	Ordering & Invoicing (Aq4)					Preservation Action (P4)
Element 5	Obtaining (Aq5)					Quality Assurance (P5)
Element 6	Check-in (Aq6)					



## Suggested actual costs – Web Archiving Case Study

Category	Percentage of overall cost (10 year average)	Average cost per instance archived	Average cost per new title	Cost per title after 1 year	Cost per title after 5 years	Cost per title after 10 years	Cost per title after 20 years
Aq	14%	£17	£16	£108	£475	£934	£1,852
I	16%	£21	£0	£111	£557	£1,114	£2,229
M	0%	£0	£4	£4	£4	£4	£4
Ac	0%	£1	£1	£4	£15	£30	£57
S	8%	£10	£0	£54	£270	£539	£1,078
P	62%	£81	£0	£426	£2,127	£4,255	£8,509
<b>Total</b>	100%	<b>£130</b>	<b>£21</b>	<b>£707</b>	<b>£3,449</b>	<b>£6,876</b>	<b>£13,731</b>

The per title costs for 1, 5, 10 and 20 years are based on the average cost per title, combined with the cost of gathering a number of instances of that title. On average the Web Archiving team aims to gather just over 5 instances of each title per year. In reality titles are gathered at different frequencies depending on the nature of the title in question. These figures do not include numbers for web sites which close or remain unchanged.



## LIFE Phase 2

- ❑ LIFE 2 has been funded by the JISC
  - ❑ Firming up the economic modelling in partnership with Swedish School of Economics and Business Administration
  - ❑ Will work up more Case Studies to test the models
  - ❑ Including Open Access repositories
- ❑ Result will establish benchmarks for local digital curation services in a University or National Library
  - ❑ Creation of a local digital curation service an objective of UCL's Library Strategy at <http://www.ucl.ac.uk/Library/libstrat.shtml>
  - ❑ It is irresponsible to create or store digital objects and not to curate them digitally

## Conclusion?

- Scholarly Communication – New Definition
- Brussels meeting 15-16 February 2007
- New Developments – Gap Survey
- New topics – Overview of some Workshop Themes
  - Advocacy and Content
  - New Services - Overlay Journals
  - New Tools - Digital Curation
- Conclusion



## Conclusion

- ❑ Many facets of the Open Access debate have been discussed at OAI5
- ❑ Advocacy may prosper if we concentrate on impact and visibility
- ❑ There are gaps in the knowledge base which hamper our ability to assess the impact and importance of new dissemination models
- ❑ Are value-added services the key to securing academic support?
- ❑ Digital Curation will ensure the long-term preservation of digital assets in repositories, and the costs are becoming clearer

## Thanks to the OAI5 Organising Committee

<b>Paul Ayris</b>	<b>William Nixon</b>
<b>Lars Bjørnshauge</b>	<b>David Prosser</b>
<b>Raf Dekeyser</b>	<b>Bas Savenije</b>
<b>Anne Gentil-Beccot</b>	<b>Susanne Schaefer</b>
<b>Jean-Claude Guédon</b>	<b>Frank Scholze</b>
<b>Melissa Hagemann</b>	<b>Herbert Van De Sompel</b>
<b>Neil Jacobs</b>	<b>Jens Vigen</b>
<b>Thomas Krichel</b>	<b>Joanne Yeomans</b>

## And for the generosity of OAI5 sponsors



## And finally...

- Evaluation Form will be available on the website after the Workshop
- It is *your* Workshop, so tell us what you think
- Future Workshops will be planned around your comments

