



Irish Research eLibrary

Report for 2004 & 2005



Chairman's Introduction

While IReL – the Irish Research eLibrary initiative formally commenced in 2004, work on IReL by the IUA (then CHIU) Librarians' Group started in April 2002 with an invitation from Science Foundation Ireland (SFI) to consider how best to deliver a national e-Library focusing mainly on resources in Biotechnology and Information and Communications Technology, on a collaborative basis, to support SFI researchers. A proposal was prepared by the Librarians and submitted in 2003; this was accepted in May 2004, with a commitment by SFI and the Higher Education Authority (HEA) to fund it jointly over a five-year period (2004-2008) with a budget of €22.25 million.

In co-ordinating the initiative, the IUA Librarians' Group selected, following public tender, Content Complete Ltd (CCL) as negotiator for the supply of content, agreed that IRIS Ltd should manage the activity of the project on a day-to-day basis, and established the IReL Steering Group (ISG) to identify and prioritise requirements and to work with CCL in concluding deals and licenses.

Negotiations commenced on about half of the selected services in March of that year with the first service being delivered in June. The remainder of phase 1 titles were available over the following six months, and by May of 2005, the majority of titles had been delivered.

In tandem with the first phase of IReL the Librarians were further requested to draft a proposal along similar lines, to support resources for Humanities and Social Sciences, but totally funded by the HEA. This was submitted in February 2005, with approval in December 2005 by the HEA for a funded programme to commence in 2006 for a four year period: 2006-2009 inclusive – with a budget of €15 million.

The Report which follows, charts the progress of IReL in 2004 and 2005. To date it has been welcomed as a huge success – described by one researcher as “...improving the information infrastructure for researchers out of all recognition ...” and we look forward to an equal success for the Humanities and Social Sciences phase when it is rolled out in 2006. At the launch of IReL in August 2004, Dr William Harris, Director general of SFI said that IReL “ provides researchers working in Ireland with the tools that they need to do their job”

Dr Don Thornhill, Chairman of HEA said at the same time that IReL “... is a further step towards creating an internationally competitive research infrastructure in our universities”

Paul Sheehan, Director of Library and Information Services, DCU
Chair, IUA Librarians' Group 2005

1. IReL Background

With the widespread adoption of online journal publishing, the IUA Librarians' Group had been promoting for some time the concept of a centrally provided and locally accessible electronic library of journals and other information resources. Its examination of the feasibility of such an electronic library was accelerated by the increasing importance of high-level research as both an academic and a national economic imperative, and as a key strategic driver in developing a vibrant and globally-competitive fourth-level sector, in moving towards a knowledge-based economy, and in positioning Ireland as a world leader in this respect. This strategy, which is most visible in the establishment of the HEA-funded Programme for Research in Third Level Institutions (PRTLII) and of SFI-funded programmes has led to major increases in research funding, in the research profile of the Irish universities, and in the number and scope of research projects, with a corresponding increase in the demand for comprehensive information resources.

In responding to this demand, SFI invited the university librarians in June 2002 to submit a proposal for the development of a national electronic library. The proposal envisaged that the service would be established on a consortium basis and available to the research community in all universities. Initially funded by SFI, and since 2005, jointly funded by SFI and HEA, IReL services commenced in summer 2004, concentrating on resources to support the priority areas of biotechnology and information and communications technology. The total value of this phase of the initiative will be €22.25 million in the current phase of funding (2004-2008).

IReL was an ambitious proposal to improve the global competitiveness of Irish research institutions, against a background of similar developments in, for example, Australia, Canada, and Finland. The provision of electronic journals and information resources on a world-class scale was aimed, not only at supporting scientific research at the highest level, but also at encouraging and attracting researchers of the highest international calibre to make Ireland their preferred location.

2. The Acquisitions Process and Progress in the first phase of IReL

With funding in place in spring of 2004, it was decided that IReL would be managed by IRIS Ltd; that an IReL Steering Group (ISG) would be established; and that the IRIS Manager would co-ordinate the acquisition of appropriate content. The first task for the ISG was to agree with SFI researchers, packages and titles required, and to prioritise these for acquisition. The acquisition model which was required by both SFI and HEA, was that the universities would contribute to the project by way of continuing to fund subscriptions already in place which were agreed as priority titles by the researchers, with IReL funding then making up the shortfall for those universities not already subscribing to this material.

Requests from researchers were analysed to identify journal collections that could provide not just the specific titles requested, but further journal titles - thus increasing the value for money of subscriptions acquired. Following a call for tender for negotiating the acquisition of content,

Content Complete Ltd. a UK company with a strong track record in similar projects was selected, with the brief to negotiate with best value for money as a priority, to ensure that training and promotion of individual products was included, and also to agree licensing terms most favourable to the Irish community.

By the end of 2004, 12 major packages were acquired and available to the community, but the full benefits of IReL were not felt until the end of 2005, when most of the remainder had been acquired: 24 major packages, 13 databases and 99 individual titles. Only 2 packages and twelve individual titles were deferred or unavailable, usually where the IReL Steering Group did not consider certain offers as good value for money, or where restrictive conditions were sought by publishers which would limit freedom of access. At the end of 2005 those SFI researchers who did not have the opportunity to offer suggestions when the original proposal was submitted were further consulted to identify needs, which resulted in negotiations commencing on an additional 116 individual journal titles. In summary and as we report on progress at the end of 2005, IReL offers 3,656 titles to the research community. If those titles in Elsevier's **Science Direct** are included - to which all of the researchers have access in the seven universities under a separately negotiated consortium agreement (but to which IReL makes a small contribution for subsequently added content) the number of titles available exceeded 5,000. In terms of number of articles, IReL delivers more than 25 million articles direct to the desktop of researchers regardless of location. For the full list of packages available and the status of those in negotiation at the end of 2005 see **Appendix A**.

3. Use of IReL in 2004 and 2005

Being conscious of the need to promote an awareness of IReL; to ensure that resources provided through IReL were being fully utilised; and particularly to ensure that IReL titles were providing value for money, the IUA Librarians' Group established the IReL Monitoring Group in 2005 [see Appendix B for Terms of Reference of the IMG]. Obviously over time and as all titles become available, more complete statistics will be available on usage. But the following selection of statistics on full-text articles downloaded in 2005 from some of the major packages is illustrative of the intensive use of IReL by the user community:

- Blackwell Synergy - 320,000 articles
- American Chemical Society (ACS) – 125,000 articles
- Wiley – 97,000 articles
- Emerald - 68,000 articles
- Institute of Physics (IOP) – 60,000

4. Impact Factors

For researchers, it is of critical importance to have access to those journals with the highest impact factors, these factors being determined by the number of times articles appearing in a particular journal title are cited by other researchers – with ISI extracting this information from its Web of Knowledge resource. As will be noted from the table which follows, measured by *ISI Journal Impact Factors* IReL already provides access to between 70% and 85% of the top twenty world ranking titles in Biomedical Engineering, Bio Research Methods, Biotechnology & Applied Microbiology, Biochemical Engineering, Computer Science, Information Systems and Software Engineering and in Engineering.

Research Interest area:	Of the top 20 Highest ranked titles, IReL provides access to:	% top 20 Titles held:
Biomedical Engineering	16	80%
Bio Research Methods	16	80%
Biotechnology & Applied Microbiology	14	70%
Biochemical Engineering	15	75%
Computer Science / Information Systems / Software Engineering etc.	17	85%
Engineering	17	85%

Taking IReL resources, and other resources which are offered by all of the Libraries but negotiated outside of IReL, coverage of key journals is nearer to 100% in these areas.

5. IReL Holdings and international comparisons:

It was also considered important by the IUA Librarians to try to assess how IReL holdings compared with those of other major international research libraries in both the UK and US and also one major journals consortium in Finland – FINelib. Comparative analysis of holdings shows, that the range and quality of publications available through IReL in the disciplines targeted thus far, compare very favourably with electronic resources available in some of the leading university research libraries, including Massachusetts Institute of Technology (MIT), Columbia University and Imperial College London. (See table **Appendix B**)

6. Financial Statements

As titles and costs were agreed with publishers, invoices for 2004 pro-rated subscriptions were processed. The acquisition process gained momentum in 2005, but again, because of the timing of some of the deals, some titles were pro-rated for the period of the year covered, so real full-year

costs will be more clearly seen in 2006. The table in **Appendix C** sets out actual payments made and income received for the years 2004 and 2005 from both funding authorities – SFI and HEA.

7. Value for Money / Savings made

As part of their contract, Content Complete Ltd. reports on a regular basis on all aspects of negotiation, offers from publishers, progress with the IReL license with individual publishers, and also on savings achieved as part of the value for money requirement on which the funding bodies insist. Commercial sensitivity precludes the publication of savings made publisher by publisher, but the following is a summary of savings achieved through the IReL collaborative approach to e-resource acquisition with an overall saving in the first two years of operation of almost €1.3 million.

Categories	2004	2005
Major Publishers	€95,141	€989,640
Single Titles negotiated in 2004	€83,997	€90,029
Single titles negotiated in 2005		€40,234
Totals	€179,138	€1,119,903

In another area of expenditure, while it cannot be assumed that these articles would have been as freely downloaded if a fee applied, the cost of these alone if acquired on electronic document delivery from the British Library would have been in the region of €7.4 million. What we can agree, is that ILL usage has gone down in most of the IReL member libraries and this must largely be attributed to the immediate availability of material via IReL.

8. Promotion and Training

Promotion and Publicity: Press releases to announce IReL by both SFI and HEA were warmly welcomed by all of the Universities. Each of the participating institutions' university librarians in turn actively promoted IReL internally. Details were presented at appropriate fora – Academic Council, Library Committee, Research Committee and at the many targeted IReL launches. Within each Library, IReL resources were promoted by teams of information librarians to the academic community. Websites and the various universities' library newsletters were also used in the marketing campaign. The major focus of promotion was obviously the research community, but because of the nature of the packages acquired, with content covering a much broader science / technology / medicine (STM) base than ICT and Biotechnology, many staff and students in these areas were major beneficiaries of IReL and so IReL is marketed internally as a superb resource to the entire STM academic community.

IUA Librarians and the IRIS Manager also took the opportunity to promote IReL at the following conferences / seminars:

McGoldrick, Fiona - *The IReL experience: Irish Research eLibrary*, presentation to UKSG Annual Conference, 11-13 April 2005

Sheehan, Paul - IReL: the Irish Research Electronic Library IATUL (International Association of Technological University Libraries) Conference, Quebec, May 2005

FitzGerald, John - *A National Infrastructure* IJISC 2003

FitzGerald, John - *IReL the Irish Research e-Library Consortium* – IATUL 2005

FitzGerald, John - *IReL - a model for the future?* – LIR Seminar 2005

Adams, Robin - *IReL: providing research information to Irish universities*, presentation to COLICO, Committee on Library Co-operation in Ireland, 9 June 2005

McGoldrick, Fiona - *IRIS: a resource-sharing initiative in Ireland: Interlending and Document Supply*, 33(4) 2006 pp.208-211

Training: As part of the negotiated agreements for the various products, a number of training sessions were presented by the publishers to Library staff in the member institutions – some sessions locally, others nationally, and also to academic staff, co-ordinated by IRIS and the Libraries. This is an integral component of IReL and will facilitate ongoing consultation with end-users and ensure that products are developing and evolving in response to feedback from the Irish academic research community.

Monitoring and Surveying: The IReL Monitoring Group (established in 2005) will also play a pivotal role in this area as it surveys usage and trends to support decisions on renewals, cancellations and also gaps in coverage as new researchers join the existing research teams. Another major and important source for marketing, promotion, and training, was a survey of researchers both nationally and in individual institutions, conducted by CONUL (The Consortium of National and University Libraries) in spring of 2005. The survey identified a number of interesting trends – certainly overall a huge engagement with the electronic library and an overall satisfaction with e-journal provision, but at the same time, a growing awareness of the richness of IReL resources, which is something on which Librarians will build in 2006.

9. IReL activities 2004 and 2005

IReL management: IReL is managed by the IUA Librarians, who delegate to the Chair overall responsibility for IReL (the chair rotates annually). Detailed decisions on negotiations etc are agreed at meetings of a Steering Group of Acquisitions and Information librarians representing each of the universities, and the IRIS manager; these meetings are chaired by the IUA Librarians' Chair. Most IReL administrative work is carried out by the IRIS manager, who implements IReL Steering Group decisions, manages IReL finances, liaises with IUA libraries, Content Complete, and suppliers, and maintains IReL records.

IReL management and activity 2004/5: IReL has taken up a considerable and increasing proportion of the IUA Librarians' time. It amounted to approximately 20% of the Chair's entire workload in 2005. IReL work consumes half of IUA Librarians' meetings (there were seven such meetings in 2005), and requires the Steering group to meet regularly (ten times in 2005) for one day each time to progress IReL business.

A large volume of work is carried out at local level in co-ordinating title and subscription information between institutions, liaising with the academic community on IReL titles, and publicising IReL.

The IRIS manager commits more than 80% of her time to IReL and required an extra half-time assistant in 2005 to support the IReL workload. Capacity in the IRIS manager's office will need to be supplemented by an extra Assistant Librarian in 2006 to cope with increased activity.

IReL sub groups: IReL sub-groups, composed of representatives from constituent libraries, include:

- IReL Steering Group - Remit: detailed consideration of, and then decision on, offers from publishers.
- IReL Licensing group - Remit: Consideration of all copyright and licensing issues, and the formulation of a model licence.
- IReL Monitoring group - Remit: Analysis of usage patterns to inform decisions on renewals or cancellations; monitoring of downtime as a check on efficiency of delivery; noting changes of content in IReL packages; monitoring of researcher demand. (Group formally established late 2005 to commence work in 2006).

Membership detailed in **Appendix D**

10. IReL procedures

Funds transfers: The consortium and HEA/SFI established a formal funds transfer procedure in 2004/5. Funds from HEA/SFI are transferred to University College Cork, and then to IRIS Document Delivery Services, a not for profit company limited by guarantee controlled by IUA Librarians who act as Directors. These funds are then applied to payments for IRIS products, each payment authorized by three of the IUA Librarians.

The transfers from University College Cork, IRIS and the IUA Librarians are governed by documented legal agreements between the parties; there are separate agreements for IReL 1 (Science) and IReL 2, (Humanities and Social Sciences).

Appointment of IReL negotiating Agent: The consortium faced the need to acquire information resources quickly following approval in principle of the IReL initiative. Negotiations commenced in March 2004. Following the initial short-term appointment of an agent to begin negotiations, an invitation to tender was made to five companies - CHEST Ireland, Content Complete Limited, EDUSERV, EBSCO, Swets Blackwell - in June 2004, with the remit of concluding initial contracts for IReL titles. Content Complete Limited was selected to be the IReL negotiating Agent as a result of this procedure.

A further invitation to tender was sent to the same companies in 2005, in order to appoint an agent to negotiate second and subsequent contracts under IReL 1, and also to be available for possible Humanities and Social Science title negotiations. Content Complete Limited was selected after this competition.

IReL licences (inc. access): Licences are an essential part of IReL activity as they define who may access information, from where, and for how long. They also define the IReL consortium's residual rights to the information licensed, for example in the case of the cessation of contract. Licences define both rights and sanctions.

IReL has sought to provide a model licence for publishers to adopt, in order to promote consistency of access, and awareness of rights. While some publishers have accepted this with amendments, others have not, which makes it difficult to communicate to IReL users the terms of usage to be observed. The consortium is seeking more consistency in licensing, but it is extremely difficult both because of pressure on staff time, and the fact that this is an area requiring legal expertise.

Reports: The IReL Business Plans give undertakings on the production of an annual report.

Apart from this, the IUA Chair is in regular contact with HEA/SFI, and provides written reports on IReL at approximately quarterly intervals.

The annual report aggregates information about IReL products, services, licences, finances publicity and related issues.

Appendix A: IReL Major Titles

Product/Description	Fulltext Titles	URL
ACM Digital Library Collection of journals, newsletters and conference proceedings from the Association for Computing Machinery	230	http://portal.acm.org/portal.cfm
AMA Journals The premier American Medical Association journal JAMA, plus its nine 'Archives' titles	10	http://pubs.ama-assn.org/
American Chemical Society Journals The full collection of ACS electronic journals	34	http://pubs.acs.org/about.html
American Institute of Physics The full collection of the AIP electronic journals	12	http://journals.aip.org/
American Physical Society The full collection of APS journals, as well as its archive, PROLA	8	http://publish.aps.org/
Annual Reviews Access to all the critical reviews in the Biomedical and Physical Sciences collections	32	http://arjournals.annualreviews.org/action/showJournals?cookieSet=1
Biomed Central Membership of BMC covering the cost of our researchers publishing their articles in the BMC open access journals		http://www.biomedcentral.com
Biosis Previews Database of life and biomedical sciences literature of over 13m. records including Biological Abstracts and Biological Abstracts/RRM.		http://www.isinet.com/products/citation/biosis/bp/
BMJ.com and BMA Journals The BMA's journals, including its flagship, the BMJ	25	via http://highwire.stanford.edu/
CAB Direct Indexes material in the applied life sciences		www.cabdirect.org
Cell Press The journal <i>Cell</i> , and 9 other titles in this rapidly developing area of study	10	via http://www.sciencedirect.com/
CRC Press		Subsumed into Taylor & Francis – negotiations ongoing
Crossfire Beilstein/Gmelin Complete chemical information solution		http://www.mdli.com/products/knowledge/

EI Village: Compendex The electronic version of Engineering Index		http://www.engineeringvillage2.org/
EI Village: Inspec The IEE database incorporating Science Abstracts		http://www.engineeringvillage2.org
Embase Database in biomedicine and pharmacology		Negotiations ongoing with Elsevier
Emerald Xtra Access to 42,000 searchable articles from Emerald journals in marketing, manufacturing, electrical & electronic engineering etc., and selected fulltext journals	164	http://ceres.emeraldinsight.com/vl=3987794/cl=83/nw=1/rpsv/cgi-bin/emeraldft
ESDU Engineering Validated, up-to-date engineering data for modern design engineers		http://www.esdu.com/
Faculty of 1000 Biology Literature awareness service highlighting the most interesting material in the biological sciences	1	http://www.facultyof1000.com/browse/
GeoScienceWorld Access to fulltext of 32 journals as well as GeoRef, a database covering 3000 journals, plus books, maps, conference papers and theses.	32	http://www.geoscienceworld.org
Genome Biology Commentaries on issues in genomics, post-genomic and genome-scale analyses	1	http://genomebiology.com/
IEEE IEL Access to almost a third of the world's current engineering and computer science literature from the IEEE and IEE, and active IEEE standards	223	http://ieeexplore.ieee.org/Xplore/dynhome.jsp
Institute of Physics and Archive The electronic journals of the IOP and archive back to 1874	41	http://www.iop.org/EJ/
Kluwer Journals Online		see SpringerLink
LWW Custom 25 Access to 25 of the core Lippincott Williams & Wilkins journals in medical, nursing and health information	25	http://gateway.ovid.com/autologin.cgi

MathSciNet Database of mathematical research literature from 1940		http://www.ams.org/mathscinet
Nature, Embo, Research and Review Journals Portal to Nature magazine as well as Embo and the Research and Review journals	20	http://www.nature.com/index.html
Ovid Biomedical Collections		<u>Substituted by</u> AMA, BMJ, LWW
Oxford UP Access to all the OUP journals in a variety of subject areas	188	http://www3.oup.co.uk/jnls/
Royal Society of Chemistry The RSC most important electronic journals	22	www.rsc.org/
Science Direct (Academic Ideal element) Journal titles formerly published by Academic Press including biomedical imprints Harcourt, Churchill Livingstone, Saunders and Mosby	459	http://www.sciencedirect.com/
Science Online Portal to Science Magazine and other services such as Science Now	1	http://www.sciencemag.org/
Scientific American The full electronic archive of the prestigious journal back to 1993	1	http://search.epnet.com/login.aspx?authtype=ip.uid&profile=sciamehost&defaultdb=sfh
Scientific World Journal TSW is a 'journal of journals' forming an integrated journal database promoting exchange between the different scientific and medical fields covered	1	http://www.thescientificworld.com/TSWPubs/Journal/
SciFinderScholar Desktop research tool providing access to the Chemical Abstracts (CAS) databases		http://www.cas.org/SCIFINDER/SCHOLAR/index.html
SpringerLink Access to over 500 journals from Springer-Verlag in Science, Technology and Medicine. Incorporating Kluwer Online	1125	http://www.springerlink.com/
Synergy STM Collection Access to all Blackwell's STM Collection journals in science and technology, including Economics	389	http://www.blackwell-synergy.com/

Web of Knowledge Portal to the citation database Web of Science as well as Essential Science Indicators, Journal Citation Reports and ISI Proceedings		http://portal.isiknowledge.com/
Wiley Current Protocols Access to 13 titles in the Life Sciences providing a comprehensive source of research methods and topical overviews	13	http://www3.interscience.wiley.com/cgi-bin/browsebyproduct?type=5
Wiley Electronic Reference Full text of Wiley's major reference works in Science Technology and Medicine	49	http://www3.interscience.wiley.com/cgi-bin/browsebyproduct?type=3
Wiley Interscience Journals	447	http://www3.interscience.wiley.com/cgi-bin/browsebyproduct?type=1
Zentralblatt Math Abstracts and reviews in pure and applied mathematics from 1868 to the present		http://www.emis.de/ZMATH/

SINGLE TITLES

Title	Publisher	URL or Status
Acta Crystallographica D	International Union of Crystallography	http://journals.iucr.org/d/journalhomepage.html
Advances in Carbohydrate Chemistry	Academic Press/Elsevier	in negotiation
Advances in Marine Biology	Academic Press/Elsevier	in negotiation
Advances in Organometallic Chemistry	Academic Press/Elsevier	in negotiation
Antimicrobial Agents and Chemotherapy	American Society for Microbiology	http://journals.asm.org/search.dtl
Applied and Environmental Microbiology	American Society for Microbiology	http://journals.asm.org/search.dtl
Applied Mechanics Reviews	ASME	http://www.asme.org/pubs/journals/
Applied Optics	Optical Society of America	http://www.opticsinfobase.org/
Astronomical Journal	University of Chicago Press for American Astronomical Society	http://www.journals.uchicago.edu/AJ/journal/
Astrophysical Journal	University of Chicago Press for American Astronomical Society	http://www.journals.uchicago.edu/ApJ/
Behavioural Pharmacology	LWW	http://gateway.ut.ovid.com/gw1/ovidweb.cgi
Biochemical Journal	Portland Press	http://www.biochemj.org/
Biochemical Society Transactions	Portland Press	http://www.biochemsoctrans.org/bst/032/0920/bst0320920.htm
Biological Chemistry	de Gruyter	http://www.extenza-eps.com/extenza/contentviewing/viewJournal.do?journalId=332
Biology of Reproduction	Society for the Study of Reproduction	http://www.biolreprod.org/

Biophysical Journal	Biophysical Society	http://www.biophysj.org/
Blood	American Society of Hematology	http://www.bloodjournal.org/
Brain Pathology	International Society of Neuropathologists	http://brainpath.medsch.ucla.edu/brainpath/brainpath.html
Briefings in Bioinformatics	Henry Stewart Publications	www.henrystewart.com
Briefings in Functional Genomics & Proteomics	Henry Stewart Publications	www.henrystewart.com
British Journal of Radiology	British Institute of Radiology	http://bjr.birjournals.org/
Canadian Journal of Chemistry	NRC Research Press	http://pubs.nrc-cnrc.gc.ca/cgi-bin/rp/rp2_desc_e?cjc
Cancer Epidemiology Biomarkers & Prevention	American Association for Cancer Research	http://highwire.stanford.edu/
Cancer Research	American Association for Cancer Research	http://highwire.stanford.edu/
Cell Growth & Differentiation	American Association for Cancer Research	http://highwire.stanford.edu/
Clinical and Diagnostic Laboratory Immunology	American Society for Microbiology	http://journals.asm.org/search.dtl
Clinical Cancer Research	American Association for Cancer Research	http://highwire.stanford.edu/
Clinical Microbiology Reviews	American Society for Microbiology	http://journals.asm.org/search.dtl
Computational Mathematics and Mathematical Physics	MAIK Nauka 0965-5425	no longer available through AIP
Development	Company of Biologists	http://dev.biologists.org/
Endocrine Reviews	Endocrine Society	http://www.endojournals.org/
Endocrinology	First Edition Pol. Int.	http://www.endojournals.org/
Eukaryotic Cell	American Society for Microbiology	http://journals.asm.org/search.dtl

Europysics Letters	EDP Sciences	Unable to obtain
Genes & Development	Cold Spring Harbour Laboratory Press	http://www.genesdev.org/
Genetics	Genetics Society of America	http://highwire.stanford.edu/
Genome Research	Coldspring Harbour Laboratory Press	http://www.genome.org/
Health Devices	Emergency Care Research Institute	only available via user name & password
Human Gene Therapy	Mary A Liebert	http://www.liebertonline.com/HUM
Infection and Immunity	American Society for Microbiology	http://journals.asm.org/search.dtl
Internat. Jnl. of Systematic & Evolutionary Microbiology	SGM	http://www.sgmjournals.org/
International Journal of Developmental Biology	Universidad del Pais Vasco, Servicio Editorial	http://www.ijdb.ehu.es/
Investigative Ophthalmology & Visual Science	Association for Research in Vision Ophthalmology	http://www.iovs.org/
Japanese Journal of Applied Physics Letters	Institute of Pure and Applied Physics	Unable to obtain
Journal of Applied Crystallography	International Union of Crystallography	http://journals.iucr.org/j/journalhomepage.html
Journal of Applied Mechanics	ASME	http://www.asme.org/pubs/journals/
Journal of Bacteriology	American Society for Microbiology	http://journals.asm.org/search.dtl
Journal of Biological Chemistry	American Society for Biochemistry & Molecular Biology	http://www.jbc.org/
Journal of Biomechanical Engineering	ASME	http://www.asme.org/pubs/journals/
Journal of Cell Biology	Rockefeller University Press	http://www.jcb.org/

Journal of Cell Science	Company of Biologists	http://jcs.biologists.org/
Journal of Chemical Physics	American Institute of Physics	http://journals.aip.org/
Journal of Clinical Investigation	American Society for Clinical Investigation	Available free at http://www.jci.org/
Journal of Clinical Microbiology	American Society for Microbiology	http://journals.asm.org/search.dtl
Journal of Computational & Nonlinear Dynamics	ASME	Available January 2006.
Journal of Computational Biology	Mary A Liebert	http://www.liebertonline.com/CMB
Journal of Computing and Inform. Science in Eng	ASME	http://www.asme.org/pubs/journals/
Journal of Electronic Packaging	ASME	http://www.asme.org/pubs/journals/
Journal of Endotoxin Research	Maney	http://www.ingentaconnect.com/content/maney/jer
Journal of Energy Resources Technology	ASME	http://www.asme.org/pubs/journals/
Journal of Engineering for Gas Turbines and Power	ASME	http://www.asme.org/pubs/journals/
Journal of Engineering Materials and Technology	ASME	http://www.asme.org/pubs/journals/
Journal of Experimental Medicine	Rockefeller University Press	http://www.jem.org/
Journal of Fluid Mechanics	Cambridge University Press	http://www.cambridge.org/uk/journals/journal_list_alphabetically.asp

Journal of Fluids Engineering	ASME	http://www.asme.org/pubs/journals/
Journal of Fuel Cell Science and Technology	ASME	http://www.asme.org/pubs/journals/
Journal of General Virology	SGM	http://www.sgmjournals.org/
Journal of Heat Transfer	ASME	http://www.asme.org/pubs/journals/
Journal of Heterocyclic Chemistry	HeteroCorporation	To access, go to Search and Article Index. https://www.jhetchem.com/
Journal of Immunology	American Association of Immunologists	http://www.jimmunol.org/
Journal of Manufacturing Science and Eng	ASME	http://www.asme.org/pubs/journals/
Journal of Mechanical Design	ASME	http://www.asme.org/pubs/journals/
Journal of Medical Microbiology	SGM	http://www.sgmjournals.org/
Journal of Molecular Endocrinology	Society for Endocrinology	http://jme.endocrinology-journals.org/
Journal of Nanoscience and nanotechnology	American Scientific Publishers	Approved for 2006. Access available 1 January 2006.
Journal of Neuroscience	Society for Neuroscience	http://www.jneurosci.org/
Journal of Offshore Mechanics and Arctic Engineering	ASME	http://www.asme.org/pubs/journals/
Journal of Optical Networking	Optical Society of America	http://www.opticsinfobase.org/
Journal of Optical Society of America, A and B	Optical Society of America	http://www.opticsinfobase.org/
Journal of Pharmacology & Experimental Therapeutics	American Society for Pharmacology & Experimental Therapeutics	http://highwire.stanford.edu/

Journal of Pressure Vessel Technology	ASME	http://www.asme.org/pubs/journals/
Journal of Solar Energy Engineering	ASME	http://www.asme.org/pubs/journals/
Journal of the Electrochemical Society	Electrochemical Society	Quote of Nov. 05 under consideration
Journal of the Marine Biological Assoc UK	Cambridge University Press	http://www.cambridge.org/uk/journals/journal_list_alphabetically.asp
Journal of Tribology	ASME	http://www.asme.org/pubs/journals/
Journal of Turbomachinery	ASME	http://www.asme.org/pubs/journals/
Journal of Vibration and Acoustics	ASME	http://www.asme.org/pubs/journals/
Journal Of Virology	American Society for Microbiology	http://journals.asm.org/search.dtl
Journal of Vision	Association for Research in Vision Ophthalmology	http://www.journalofvision.org/5/3/
Medical Physics	AAPM	Quote of Nov. 05 under consideration
Microbiology	SGM	http://www.sgmjournals.org/
Microbiology and Molecular Biology Reviews	American Society for Microbiology	http://journals.asm.org/search.dtl
Microbiology Today (MT) (free access)	SGM	http://www.sgm.ac.uk/pubs/micro_today
Molecular and Cellular Biology	American Society for Microbiology	http://journals.asm.org/search.dtl
Molecular Biology of the Cell	American Society for Cell Biology	http://highwire.stanford.edu/or
Molecular Cancer Research	American Association for Cancer Research	http://highwire.stanford.edu/
Molecular Cancer Therapeutics	American Association for Cancer Research	http://highwire.stanford.edu/
Molecular Endocrinology	Endocrine Society	http://www.endojournals.org/
Molecular Pharmacology	ASPET	http://molpharm.aspetjournals.org/
Nuclear Medicine Communications	Lippincott Williams & Wilkins	http://gateway.ut.ovid.com/gw1/ovidweb.cgi

Optics & Photonics News	Optical Society of America	http://www.opticsinfobase.org/
Optics Letters	Optical Society of America	http://www.opticsinfobase.org/
Pharmacogenetics	Lippincott Williams & Wilkins	http://gateway.ut.ovid.com/gw1/ovidweb.cgi
Pharmacogenetics & Genomics	Lippincott Williams & Wilkins	http://gateway.ut.ovid.com/gw1/ovidweb.cgi
Physica Medica	First Edition Pol. Int.	http://digital.casalini.it/1724191X
Physiological Genomics	American Physiological Society	http://physiolgenomics.physiology.org/
Plant Cell	American Society of Plant Biologists	http://www.plantcell.org/contents-by-date.0.shtml
Plant Physiology	American Society of Plant Biologists	http://www.plantphysiol.org/contents-by-date.0.shtml
PNAS	National Academy of Sciences	http://www.pnas.org/
Proceedings Royal Society of London. B Biological Sciences	Royal Society of London	http://www.pubs.royalsoc.ac.uk/proc_bio_homepage.shtml
Publications of the Astronomical Society of the Pacific (PASP)	University of Chicago Press for American Astronomical Society	http://www.journals.uchicago.edu/PASP/journal/
Radiation (Detection and) Measurements	Pergamon	Available in Science Direct http://www.sciencedirect.com/
Radiology	Radiological Society of North America	http://intl.rsnajnl.org
Synlett	Thieme	http://www.thieme-connect.com/ejournals/toc/synlett
Synthesis	Thieme	http://www.thieme-connect.com/ejournals/toc/synthesis

Appendix B: Comparative Table of Holdings

Comparative IReI Holdings							
Journal	IReL	FinELIB	Manchester	Columbia	Imperial	QUB	MIT
ACM	√	√	√	√	√	√	√
ACS	√	√	√	X	√	X	√
AIP	√	X	√	X	√	X	√
Annual Reviews	√	√	√	√	√	X	√
APS	√	X	X	X	X	√	√
Beilstein	√	X	√	√	√	√	√
Biosis	√	√	√	√	√	√	√
CAB	√	√	√	X	√	√	X
Cell	√	X	√	√	√	√	√
Embase	√	X	√	X	√	X	X
Emerald	√	√	√	√	√	√	√
ESDU	√	X	√	X	√	√	X
IEL	√	√	√	√	√	√	√
IOP	√	X	√	X	√	√	√
Kluwer	√	√	√	√	√	X	√
Mathsci	√	X	√	√	√	√	√
Nature	√	√	√	√	√	√	√
OUP	√	X	√	X	√	X	√
RSC	√	X	√	X	√	√	√
ScienceDirect	√	√	√	√	√	√	√
Scifinder	√	√	√	√	√	X	√
Springer	√	√	√	√	√	√	√
Synergy	√	√	√	√	√	√	√
Web of Knowledge	√	√	√	√	√	√	√
Wiley	√	√	√	√	√	X	√
Zentralblatt Math	√	X	√	X	X	X	X

Appendix C: Financial Statements

IReL STM: SFI & HEA Grants Schedule and Expenditure at end 2005

Grant description/Period covered	SFI	HEA	Cumulative Grants	Expenditure
SFI Grant 1 (2004 to Mar. 05)	3,093,750			
SFI Grant 2 (to Sept. 05)	1,687,500			
HEA Grant 1 (Part 2005)		500,000		
SFI Grant 3 (to Mar. 06 per spend)	824,637			
HEA Grant 2 (remainder 2005 +)		700,000		
Cumulative grants received at Dec. 2005	5,605,887	1,200,000	6,805,887	
Net Expenditure Dec. 04 - Dec. 05				5,501,025

BUDGET	HEA	SFI	TOTAL	Cumulative
2004	0.000	2.250	2.250	2.25
2005	1.125	3.375	4.500	6.75
2006	2.250	2.250	4.500	11.25
2007	3.375	1.125	4.500	13.50
2008	4.500	0.000	4.500	13.50
	11.250	9.000	20.250	20.25

Appendix D: IReL Sub-Groups – Membership (2004/2005) and Terms of Reference

IReL Steering Group – Terms of Reference

- Consideration of resources for purchase
- Consideration of offers from publishers
- Decisions on offers from publishers
- Coordination of IReL/Library issues relating to existing e-subscriptions
- Coordination of IReL/Library issues relating to print subscriptions

Members (2004/2005)

Margot Conrick, Head of Information Services, UCC
Monica Crump, Sub-Librarian, Bibliographic Services, NUI Galway
John Fitzgerald, Librarian, Boole Library, University College, Cork (Chair 2004, Secretary, 2005)
Arlene Healy, Sub-Librarian, Science and Electronic Services, Trinity College Dublin
Mary Kearney, Information Services Librarian, NUI Maynooth
Geraldine McFeeley, Sub-Librarian, Collection Management Services, DCU
Fiona McGoldrick, IRIS Manager
Agnes Neligan, Librarian, National University of Ireland, Maynooth (Secretary, 2004)
Patricia O'Donnell, Head of Information Services, UL
Paul Sheehan, Director of Library Services, DCU (Chair, 2005)
Fiona Tipple, Sub-Librarian (Bibliographic Services), UCD

IReL Monitoring Group - Terms of reference

The purpose of this group is to carry out the following functions and to liaise with the IUA Librarians' Group by means of regular reports and an annual report. The group's activities will cover all e information but initially it will concentrate on IReL information. It will therefore also liaise with the IRIS manager in respect of these functions. The group's activities can be extended to all e information at a future date.

- Collate and monitor performance statistics in relation to the value for money of IReL titles.
- Collate and monitor downtime of IReL titles
- Suggest retention or cancellation of IReL titles based on information gathered.
- Provide summaries of changes of content in IReL major services i.e. deletions of titles or addition of new titles.
- Note deficiencies of IReL information supply with regard to specific areas of research.
- Suggest ways of continuing to promote the IReL service

Members

Ailish Brady, Acquisitions Librarian, UCD
Rosarii Buttimer, Business and Social Sciences Librarian, University College Cork
John Cox, Deputy Librarian NUI Galway (Chair)
Arlene Healy, Sub-Librarian, Science and Electronic Services, Trinity College Dublin
Geraldine McFeeley, Sub-Librarian, Collection Management Services, DCU
Niall McSweeney, Head of Information Services, NUI, Galway
Patricia O'Donnell, Head of Information Services, University of Limerick
Valerie Payne, Periodicals Librarian, NUI Maynooth

IReL Licensing Sub-Group – Terms of Reference

- Consideration of all Copyright and Licensing issues
- Formulation of an IReL Model Licence

Members

Ronan Kennedy, Assistant Librarian Electronic Resources, NUI, Galway
Fiona McGoldrick, IRIS Manager
Patricia O'Donnell, Head of Information Services, University of Limerick
Valerie Payne, Periodicals Librarian, NUI Maynooth