

Who is doing what, and how do we know?

Piloting an E-Journals Preservation Registry Service (PEPRS)

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What's changed with journals?

Many things: number of journals, price of journals, bundles, article eprints, *anytime/anywhere access*, open access, etc etc !!!

1. Libraries no longer take custody of journal content
 - *online remotely, not on-shelf locally*
 - focus shifted to the license for access, not sale of content
2. Role of libraries, individually and collectively, as trusted keepers of scholarly information?
 - 'Access Libraries' vs 'Holding Libraries' (1990s debate)
 - * Are all libraries now 'access (only) libraries'?
3. Need to be sure about who does (and should) hold what?
 - SUNCAT & UKRR for print held in UK
 - What of the digital is now under UK policy & physical control?
 - * not just digital decay (bits and format),
but growing list of natural and financial disasters ...

A growing literature on digital preservation

2003 *Archiving E-Journals Consultancy*. Maggie Jones

2006 *E-Journal Archiving Metes & Bounds: A Survey of the Landscape*. Anne Kenney, Richard Entlich, Peter Hirtle, Nancy McGovern and Ellie Buckley (USA)

2007 *E-Journal Archiving (Review and Analysis of the CLIR Report)*. Maggie Jones

2008 *A Comparative Study of e-Journal Archiving Solutions*. Terry Morrow, Neil Beagrie, Maggie Jones & Julia Chruszcz

2010 *Ensuring that 'e' doesn't mean ephemeral: A practical guide to e-journal archiving solutions*. JISC Collections

All point to the agencies taking on digital preservation responsibilities

- They discuss various qualities that these should have
- Setting out what want to know about

Do they assess whether we, collectively, are doing what we should?

Scoping an e-journals preservation registry

- JISC acted on idea mentioned in the literature to commission a scoping study for an e-journals preservation registry:
 - How libraries & policy-makers could find out which e-journals were being archived
 - * by what methods, and under what terms of access
- In 2008, Sue Sparks, Hugh Look, Adriene Muir & Mark Bide, in **Scoping study for a registry of electronic journals that indicates where they are archived**, Rightscom & Loughborough U.
 - Confirmed an expressed need among libraries and policy makers
 - Warned of potential burden on digital preservation agencies
 - Recommended that an e-journals preservation registry be built:
 - UK Union Catalogue of Serials (SUNCAT) or SHERPA
 - » SUNCAT is hosted and managed at EDINA

Piloting an E-journal Preservation Registry Service

PEPRS

Partners: EDINA and ISSN International Centre (Paris)

- Support of Governing Body and Directors of ISSN Network

Project: JISC-funded, two years (Aug 2008 – July 2010)

Purpose: Scope, develop & test a registry service

- Establish and test an Information Architecture
- Seek consensus across stakeholders
- Technical & financial sustainability

Status: Reviewed after 18 months (Feb. 2010); Report recommends Phase 2 funding for move into service

PEPRS

Scope: Journal and other serial content in digital format

- Focus on those serials with the ISSN identifier
 - * If its worth saving, it should have an identifier (ISSN)

Multi-level: article is the information object of desire

- Initial focus on Journal Title-level
- Issued Content, ie Volumes (Year)
- Articles

International:

- Matters for the UK
 - * But it matters to all countries, for & in much the same way
- Content of interest is beyond a single nation state

ISSN-IC and ISSN Network of National Centres



PEPRS

Scope:

- action by digital preservation agencies for journal content
 - * A limited focus on who is keeping e-journal content safe
 - Weather eye on 'perpetual access'
 - * To include statements on:
 - Technology / Governance / Access terms and conditions

Multi-level:

- International (3rd Party?) organisations
 - * eg CLOCKSS & Portico
- National Libraries
 - * eg BL (UK), KB (Netherlands)
- Libraries and library consortia
 - * eg UK LOCKSS Alliance

PEPRS

Scope:

- Systematic declaration by each registered digital preservation agencies
 - * on what they each do for each e-journal
 - * Not an audit or validation

Multi-level:

- Areas of concern; (metadata) fields; comparable vocabulary
 - * Ingest pending, ingest in progress, ingest completion.
- Who should/could register, who decides ...

International:

- Registry must be capable of operating internationally
 - * governance & funding; links to CrossRef, Onix for Serials, ISSN

PEPRS

Scope:

delivering (perceived) value for various use communities

Multi-use communities:

- Librarians; Policy makers and funders
- Digital preservation agencies
- Publishers; Subscription Agents
- *Machines as well as humans: m2m interface/API*

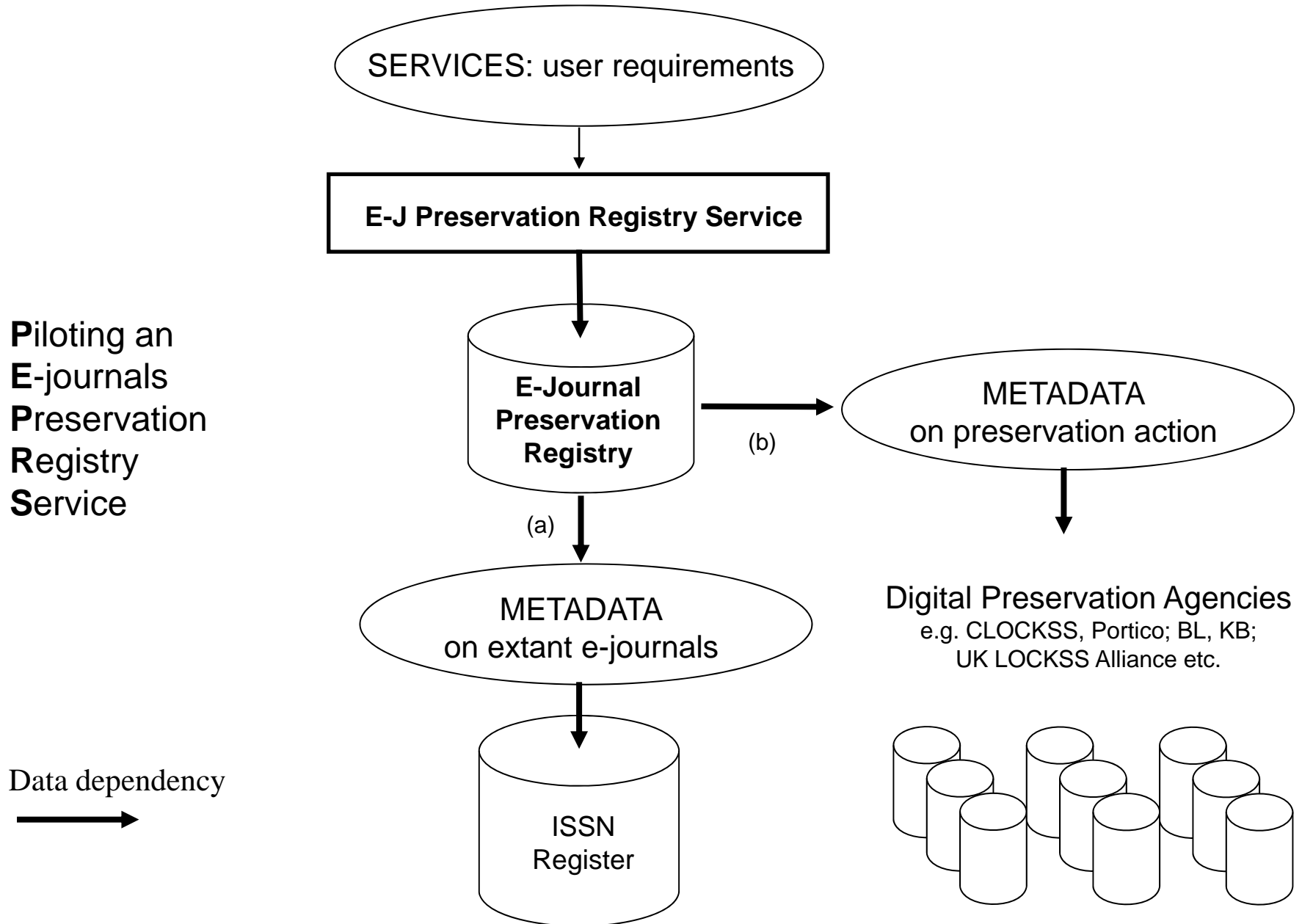
International:

- Action taken in and for the UK
- Need to provide and sustain an international service

Project deliverables & status

- Now 20 months through a two-year project:
 - 1. Problem statement**
 - * including definition of user/stakeholder requirements
 - 2. Formal statement of the **information architecture****
 - * and proposed **m2m interfaces**, standards and protocols
 - 3. Prototype and a working demonstrator**
 - * suitable for **external evaluation** [reviewed +vely, February]
 - 4. Business plan [still to do]**
 - * with value proposition
 - 5. Project-to-service plan [Part of Phase 2]**
 - * roll-out and launch of service [during Phase 2]
 - * phased enhancement of functionality [as per scoping study]

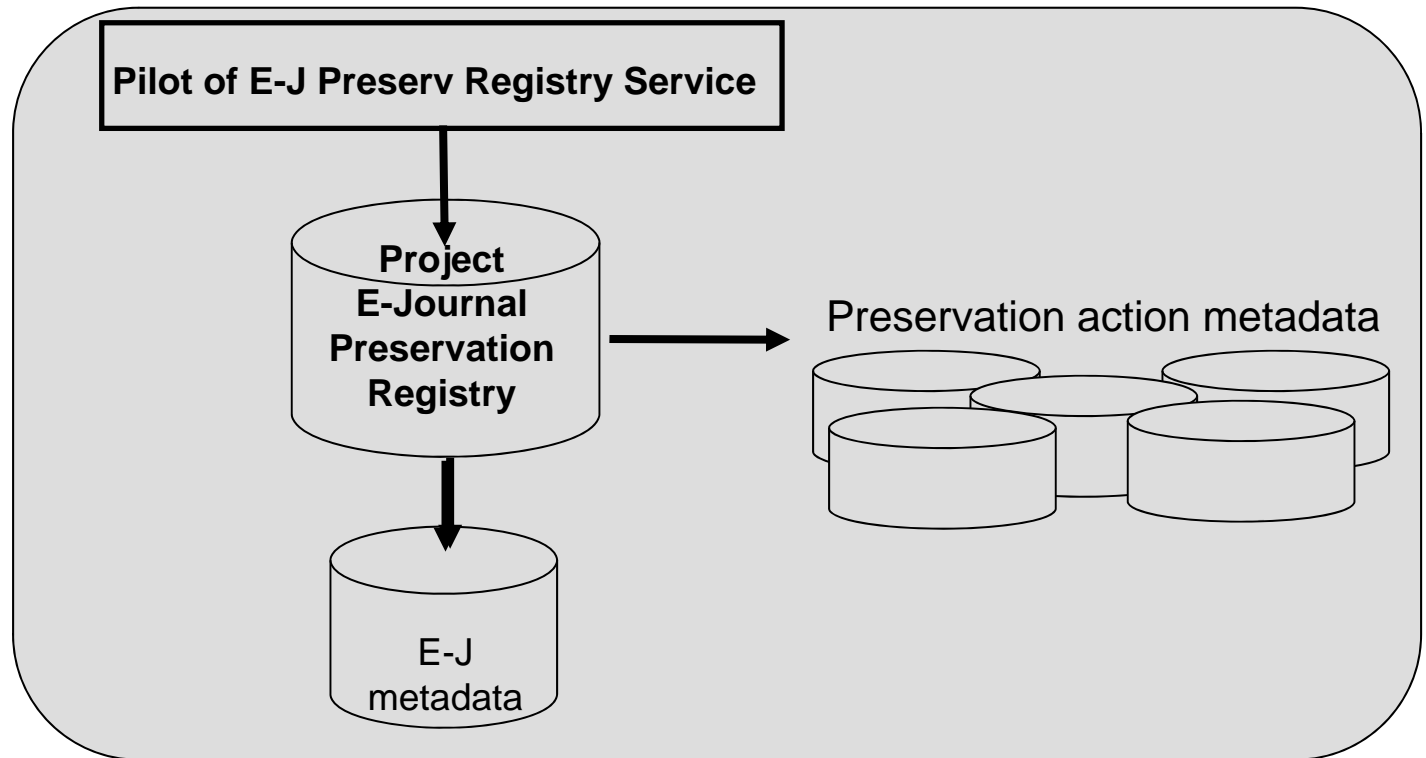
Abstract Data Model: Figure 1 in reference paper in Serials, March 2009



Data Model for Project Activity:

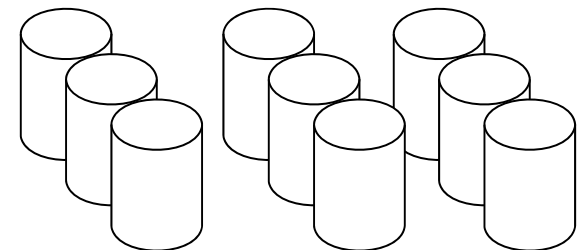
- (1) obtain subsets of data from ISSN Register and from Preservation Agencies;
- (2) set up secure system for project purposes; (3) develop prototype / demonstrator

Piloting an
E-journals
Preservation
Registry
Service



Digital Preservation Agencies

e.g. CLOCKSS, Portico; BL, KB;
UK LOCKSS Alliance etc.



Work in Progress

- Abstract Data Model [as just shown]
 - Data implementation model for Project
- Sample data from participating Archiving Agencies
 - CLOCKSS, KB (e-Depot), Portico, UK LOCKSS Alliance
 - * U of Edinburgh is Archive Library for CLOCKSS
 - * EDINA provides technical and service support for UKLA
- Prototype / Demonstrator
- Seeking views & testing data flows, data fields, vocabularies etc.
[now live; coming next as screenshots]
- Outreach
 - Presentations & publications [shown at end]

Search

Search ☒ ISSN ☐ Phrase from Journal Title ☐ Key Words
for

Browse

Browse ☒ Agency ☐ Publisher ☐ Title
for

Supported by

JISC

[Acknowledgements](#)

Example: a search on ISSN*

'International Journal of High
Performance Computing Applications'

* ISSN-L is used within the system to
allow entry of either e-ISSN or p-ISSN



EDINA



ISSN data

Title: International journal of high performance computing applications

ISSN: 1741-2846

First publisher: Sage Publications.

Place of publication: United Kingdom

Frequency of publication: Quarterly

Finds the agencies looking after e-journal,
and the volumes being preserved

Preservation information

Please consult the [Terms & Conditions](#) for information on data held in PEPRS.

Agency	Publisher	Start date	End date	Preservation coverage	Date last updated
e-Depot	Sage			Preserved: v. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22	2009-10-23
Portico	SAGE Publications	1999	2008	Preserved. v.13(1-4), v.14(1-4), v.15(1-4), v.17(3), v.18(1-4), v.19(1-4), v.20(1-4), v.21(1-4), v.22(1-4)	2009-10-14
UK LOCKSS Alliance	SAGE Publications			Available for preservation: v. 20 In progress: v. 19, 21, 22, 23	2009-09-15

Title: International journal of high performance computing applications

ISSN: 1741-2846

First publisher: Sage Publications.

Place of publication: United Kingdom

Frequency of publication: Quarterly

Preservation information

Please consult the [Terms & Conditions](#) for information

This displays what one of the archiving agencies, does in terms of access

Agency: e-Depot

Website URL: <http://www.kb.nl/hrd/dd/index-en.html>

Description: The e-Depot is a digital archiving environment that ensures long-term access to digital objects.

Preservation coverage: v. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22

Publisher: Sage

Archive Conditions: This material is archived in the KB e-Depot.

Library Access Conditions: Licensed content can only be accessed onsite at the KB. Open access and triggered content is freely available via the online e-Depot portal.

PEPRS Summary: The preserved copy is available for onsite access by walk-in patrons.

Date Last Updated: 2009-10-23

Displays 'first cut' fields: trigger for release, and whether open or restricted access

Archive Conditions:	This material is archived in the CLOCKSS network.
Library Access Conditions:	Content is only released when it is no longer available from any other publisher source. Once released, content is freely available under an open access license.
PEPRS Summary:	The content archived in CLOCKSS will be made freely available when a trigger event signalling community loss of access occurs.
Archive Conditions:	This material is archived in Portico.
Library Access Conditions:	Libraries supporting Portico are provided with campus-wide access to archived content when specific trigger events occur, and when titles are no longer available from the publisher or other source. Member libraries are also provided with a reliable means to secure perpetual access, if participating publishers choose to designate Portico as a provider of post-cancellation access.
PEPRS Summary:	The content archived in Portico will be made available to member institutions when a trigger event signalling community loss of access occurs, or when a member library actions a perpetual access clause.
Archive Conditions:	To archive material that is currently 'Available for Preservation', a library must have an active subscription to the content. LOCKSS administrators must then select for preservation the content on the LOCKSS box.
Library Access Conditions:	To access this material, first a library must have preserved this content on their institutional LOCKSS box. The library must have configured LOCKSS for access within that institutional network. Library readers will then have perpetual access to content for as long as the LOCKSS box is maintained.
PEPRS Summary:	When locally archived, the preserved copy will be available for perpetual access by institutional members.

Holdings Comparison

This form allows you to upload a text file containing ISSNs and generate a report of their coverage in participating preservation agencies.

- Please have one ISSN per line.
- Only ".txt" files are accepted, not Word or PDF files.

File:

This allows a list of e-journal titles to be checked

Search

Search ☒ ISSN ☐ Phrase from Journal Title ☐ Key Word
for

Or you can browse by publisher

Search: publisher: Oxford University Press

	Title	ISSN	Publisher	Agencies
1	20 century British history.	0955-2359	Oxford University Press	CLOCKSS : In progress: v. 19, 20 LOCKSS : In progress: v. 18, 19, 20 Portico : Preserved (1990- 2008) v.1(1-3), v.2(1-3), v.3(1-3), v.4(1-3), v.5(1-3), v.6(1-3), v.19(3-4), v.20(1)
2	Adaptation	1755-0645	Oxford University Press	CLOCKSS : Preserved: v. 2; In progress: v. 1 Portico : Preserved (2009-) v.2(1)
3	Adelphi papers.	1478-5145	Oxford University Press	Portico : Preserved (2008-) v.48(Abolishing Nuclear Weapons, European Military Crisis Management: connecting ambition and reality, The Iranian Nuclear Crisis: Avoiding worst-case outcomes)
4	African affairs	1468-2621	Oxford University Press.	LOCKSS : In progress: v. 107, 108 Portico : Preserved (1901-1995) v.72(286-289), v.75(298-301), v.1(, I, II, III, IV), v.2(, V, VI, VII, VIII), v.3(, IX, X, XI, XII), v.4(, XIII, XIV, XV, XVI), v.5(, XIX, XVII, XVIII, XX), v.42(166-169), v.43(170-173), v.44(174-177), v.45(178-181), v.46(182-185), v.47(186-189), v.48(190-

Search

Search ☒ ISSN ☐ Phrase from Journal Title ☐ Key Word
for

Technically possible to browse by agency:
would that need approval by the agency?

Search: agency: e-Depot

Title	ISSN	Publisher	Agencies
1 African and Asian studies	1569-2094	Brill	e-Depot: v. 1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36
2 Anaerobe	1075-9964	Elsevier	e-Depot: v. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 Portico: Preserved (1995-2008) v.1(1, 2, 3, 4, 5, 6), v.2(1, 2, 3, 4, 5, 6), v.4(1, 2, 3, 4, 5, 6), v.5(1, 2, 3-4, 5, 6), v.6(1, 2, 3, 4, 5, 6), v.7(6), v.8(1, 2, 3, 4, 5, 6), v.9(1, 2, 3, 4, 5, 6), v.10(1, 2, 3, 4, 6), v.12(1, 2, 3, 4, 5-6), v.13(1, 2, 3-4, 5-6), v.14(1, 2, 3)
3 Annals of software engineering	1022-7091	Springer	e-Depot: v. 3, 4, 5, 6, 7, 8, 11, 12, 13, 14
4 Applied mathematics and mechanics. English ed.	0253-4827	Springer	e-Depot: v. 22, 27, 28, 29, 30
5 Archive for the psychology of religion	0084-6724	Brill	e-Depot: v. 1, 4, 5, 7, 8, 9, 10, 11, 12, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 29, 30, 31
6 Baillière's clinical obstetrics and gynaecology	0950-3552	Elsevier	e-Depot: v. 1, 2, 3, 4, 5, 6, 7, 8
7 BMC genomics	1471-2164	Biomed	e-Depot: v. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 LOCKSS: Available for preservation: v. 1, 2, 3, 4, 5, 6
8 BMC medical	1756-	Biomed	e-Depot: v. 8, 9

OpenURL linking to PEPRS

It is possible to link to PEPRS using the OpenURL script <http://edina.ac.uk/cgi-bin/peprs-openurl.cgi>

PEPRS uses the standard OpenURL parameters. To complete the remainder of the search string we recommend using `rft.genre=journal` followed by the following key

OpenURL key	PEPRS search
issn	ISSN

We are exploring the standards to use for m2m use of the registry service

For example

<http://edina.ac.uk/cgi-bin/peprs-openurl.cgi?rft.genre=journal&rft.issn=1530-812X>

will find records for the journal with ISSN 1467-8543.

More information on OpenURL linking is available from [NISO Standards](#).

Supported by

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Acknowledgements



EDINA

Issues resolved and unresolved

- Issues/volumes, not just titles
 - extent preserved; common/conversion deferred to Phase 2
- e-serial content being preserved where no ISSN yet assigned?
 - ‘E-journals’ that come to notice
 - ‘digitised journals’, content from (pre-ISSN) print journals
 - * ISSN-IC has devised workflow to assign ISSNs as required
- Need to verify what users want to know
 - descriptors of digital preservation policy & practices
 - seeking views on data flows, data fields, vocabularies etc
- If attention is switching to post-cancellation access, should PEPRS try to adapt?
 - This is national (subscription base) action and is being explored in PeCAN Project (with JISC Collections)
 - PEPRS architecture adapted to have an entitlement registry
- How to be an international registry
 - Governance: UK (JISC/SCONUL); EU (Knowledge Exchange); International (IFLA, ICOLC, ISSN-IC) ??



Outreach via Presentations & Publication

1. JISC Journals Working Group, London, August 2008
2. ISSN National Directors Meeting, Tunis, September 2008
3. NASIG, 24th Annual Conference, Ashville NC, USA, 4 June 2009
4. Library of Chinese Academy of Science, Beijing, 15 September 2009
5. ISSN National Directors Meeting, Beijing, 17 September 2009
6. PARSE.Insight Workshop, Darmstadt, Germany, 21 September 2009
7. Knowledge Exchange Workshop, Edinburgh, October 2009
8. ... yourselves ... , April 2010
9. ?? / IFLA / iPres / ... 2010/11 UKSG (Spring 2011)

P.Burnhill, F.Pelle, P.Godefroy, F.Guy, M.Macgregor, A.Rusbridge & C.Rees
Piloting an e-journals preservation registry service.
Serials 22(1) March 2009. [UK Serials Group]

P.Burnhill *Tracking e-journal preservation: archiving registry service anyone?*
Against the Grain. 21(1) February 2009. pp. 32,34,36

* Intention is to gain international appraisal and support *



A start on 'who is doing what', using ...

- ISSN Register to define what we want to care about
 - Over 66,000 e-serials now have ISSN
 - Workflow being tested to assign an ISSN when needed
- Self-statements by preservation agencies on and about their coverage and policies, especially on access
 - Using network interoperability: up-to-date, reliable information
 - Much work still to be done:
 - * fields; vocab.; standards
 - * governance, business model, etc etc
- Open Beta release of PEPRS towards the end of 2010
 - National UK and probably an international registry

Thank you

Questions please ...

for project update, publications and presentations,
see project website

<http://edina.ac.uk/projects/peprs/index.html>



What happens
when print
ISSN is
entered?

Key role
for ISSN-L
subfield

You searched for ISSN **0001-3072** which identifies the print version of this journal:

Journal:	Abacus (Oxford. Online)
ISSN:	1467-6281
Publisher:	Blackwell Publishers
Country of publication:	United Kingdom
Frequency of publication:	Semiannual
Dates of publication:	1997-

Preservation information

Please consult the [Terms & Conditions](#) for information on data held in PEPRS.

Agency:	LOCKSS
Preservation coverage:	Available for preservation (Volume 1 to Volume 35)
Preservation coverage:	In progress (Volume 36 to Volume 37)
Archive Conditions:	To archive material, a library must have an active subscription to the content. LOCKSS admin then select for preservation the content on the LOCKSS box.
Library Access Conditions:	A library must have selected content for preservation. A library must have configured LOCKSS within that institutional network. Library readers will then have perpetual access to content for the LOCKSS box is maintained.
PEPRS Summary:	Once locally archived, the preserved copy will be available for perpetual access by institution members.
Updated:	16-Aug-2009