Community action to ensure and afford continuity of access to scholarly resources …

Who is now doing what, and how do we know?

Peter Burnhill
Director, EDINA & SUNCAT
University of Edinburgh

Overview

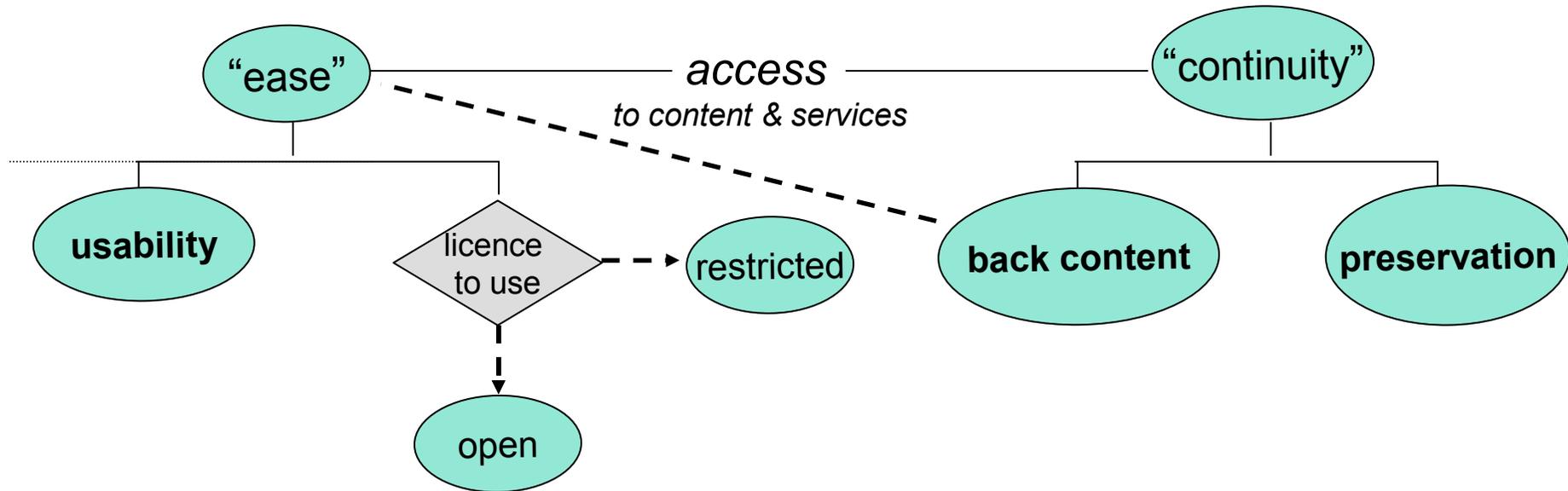*All who are here have responsibility for the scholarly*

- *To ensure ease and affordable continuity of access to …*

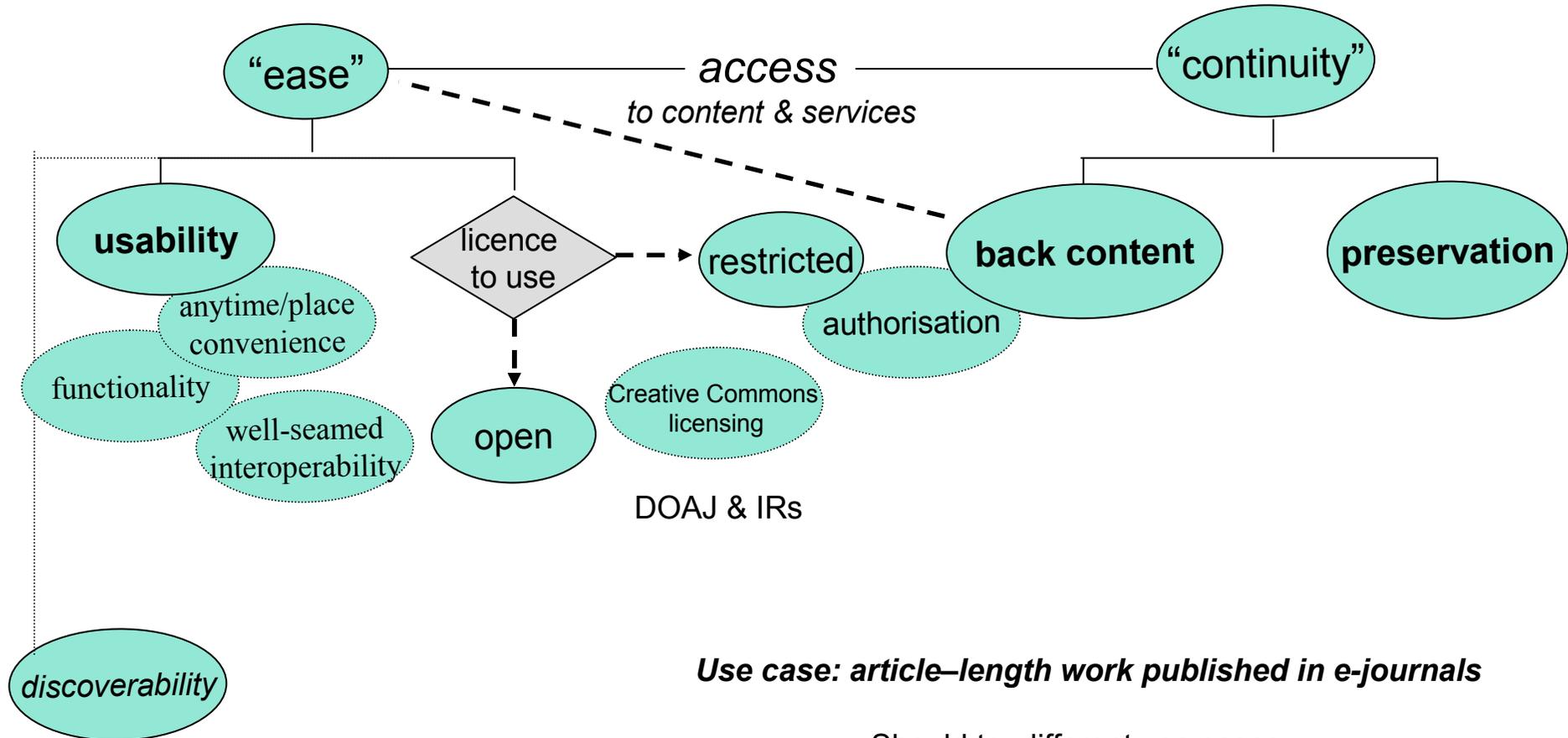*We are challenged by the characteristics of the media*

Lots being done, but we need a policy framework and a programme of collaboration across the parties that can do things.

Our central task is to ensure
researchers, students and their teachers have
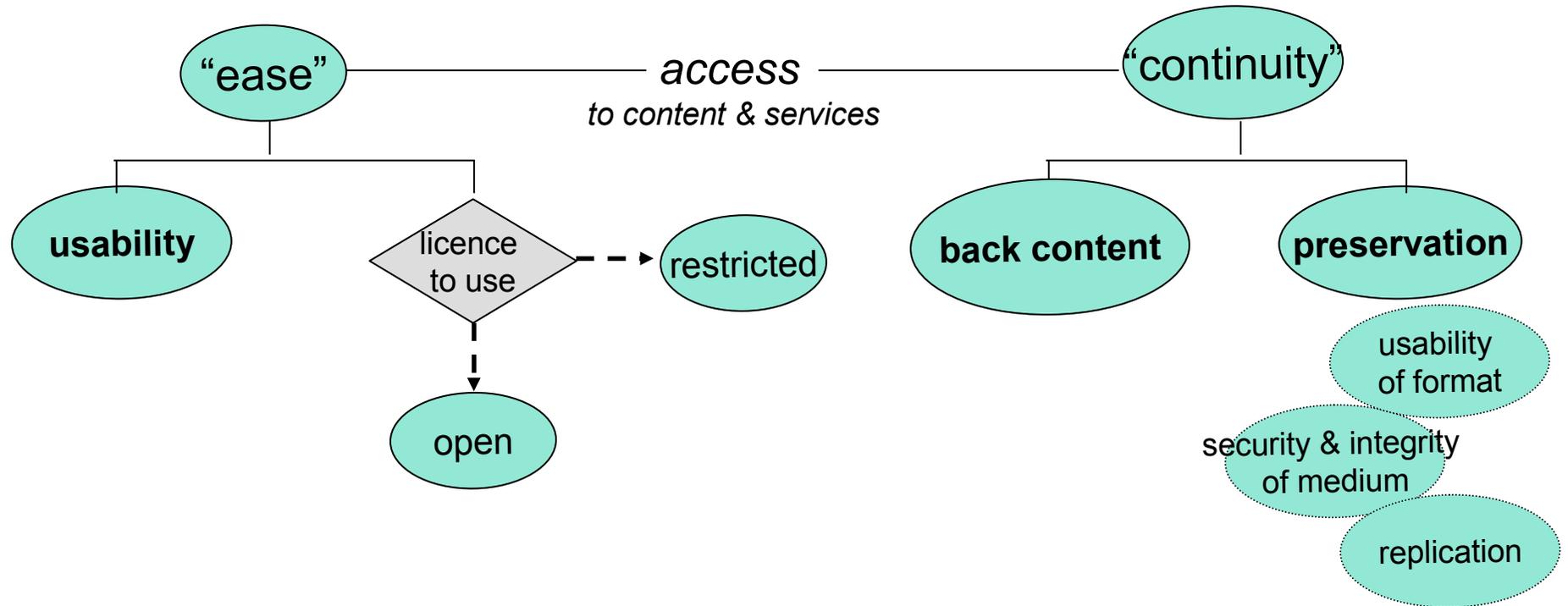# ease and continuity of access
to [....] scholarly resources

access
to content & services

"ease" — — "continuity"

usability   licence to use → restricted   back content   preservation

open

Our central task is to ensure
researchers, students and their teachers have
ease and continuity of access
to [online] scholarly resources

"ease" ——————— *access* ——————— "continuity"
to content & services

usability   licence to use ⤍ restricted   **back content**   **preservation**

anytime/place convenience

functionality

well-seamed interoperability

open   Creative Commons licensing

authorisation

DOAJ & IRs

discoverability

Use case: article–length work published in e-journals

Should try different use cases:
eg OER learning materials, monographs

P. Burnhill, University of Edinburgh 2009

Ensuring
researchers, students and their teachers have
ease and continuity of access
to online scholarly resources

"ease" ——— *access* ——— "continuity"
to content & services

usability

licence to use - - -> restricted

open

back content   preservation

usability of format

security & integrity of medium

replication

Digital preservation agencies, eg CLOCKSS

Use case: article–length work published in e-journals

CLOCKSS Archive Network: Library Stewardship, Global & Decentralized,

12 Archive Nodes

Asia/Pacific

Australian National University

University of Hong Kong, China
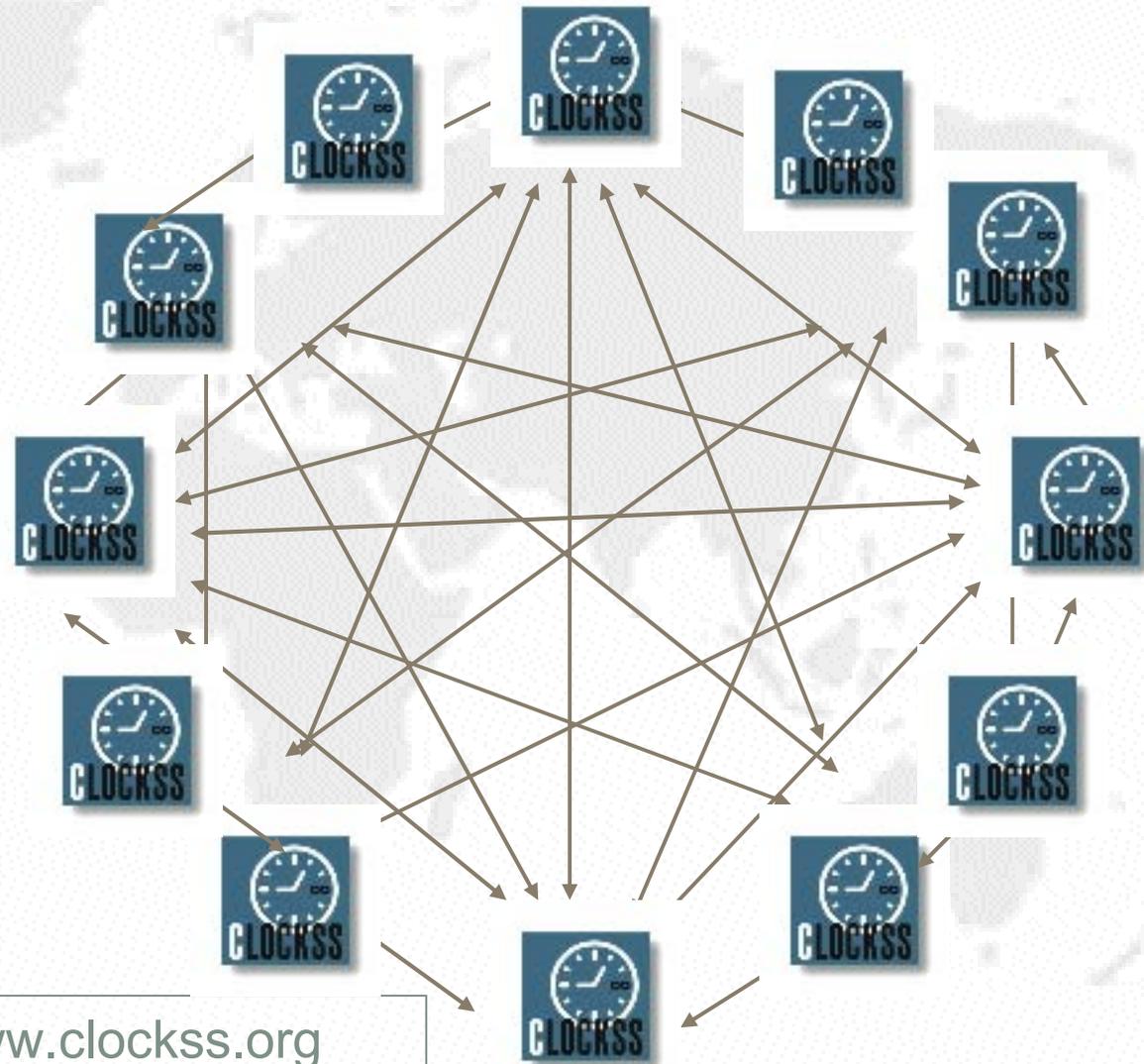
Nat. Inst. of Informatics, Japan

Europe

Humboldt Univ. Berlin, Germany

Univ. Cattolica del Sacro Cuore, Italy

University of Edinburgh, UK

North America

University of Alberta, Canada

Indiana University

Rice University

Stanford University

University of Virginia

OCLC

www.clockss.org

Twelve Things About CLOCKSS

1. Began as joint project by libraries and publishers [UoE invited]

2. CLOCKSS is now ticking, as cooperative service activity

3. It's a legal entity: publishers contract for deposit & release

4. Libraries as stewards for all the publishers' digital content

5. Global solution to global problem

6. International shared governance by libraries and publishers

7. It's a world-wide archive network

8. It uses well-tested LOCKSS technology

9. Both CLOCKSS and LOCKSS are award-winning ☺

10. Abandoned/orphaned content is Open (free) Access

11. Community engagement: supporting libraries Advisory Council

12. Business Model: www.clockss.org Endowment/Fees

CLOCKSS: Four Unique Chimes

① Steward libraries: content held at world-wide

② International: community governed; library & publisher

③ Financial Model: raise endowment, lower fees

④ Open Access: abandoned/orphaned content free to all

www.clockss.org

Piloting an E-journal Preservation Registry Service

who is doing what to preserve e-journal content

Builds on understanding established in lots of reports and a scoping study

Project: JISC-funded

>> Phase 1 (August 2008 – July 2010): 'scope, develop & test'
>> **Phase 2 (Aug. 2010 – July 2012): 'move into service'**
>>
>> *   As recommended by Review of Phase 1 in Feb. 2010

Purpose: an online registry service for UK/Global use

Partners: EDINA and ISSN International Centre (Paris)
– Support of Governing Body and Directors of ISSN Network

Growing literature on digital preservation of journals

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 preservation agencies taking responsibility
- They discuss various qualities that these should have
- Setting out some of the things we want to know about those actions

Scoping Study: e-journals preservation registry

- JISC [on behalf of the UK university funding bodies] 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), at EDINA

P was for Preservation

PEPRS

Scope:

- Was action by **digital preservation** agencies for journal content
- Now reflecting on broader scope of **'journal archiving'**

Multi-level:

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

Registry

PEP**R**S

Scope:

– Systematic declaration by each registered archiving agency
  * Not an 'audit': Agencies make (self-) statements on:
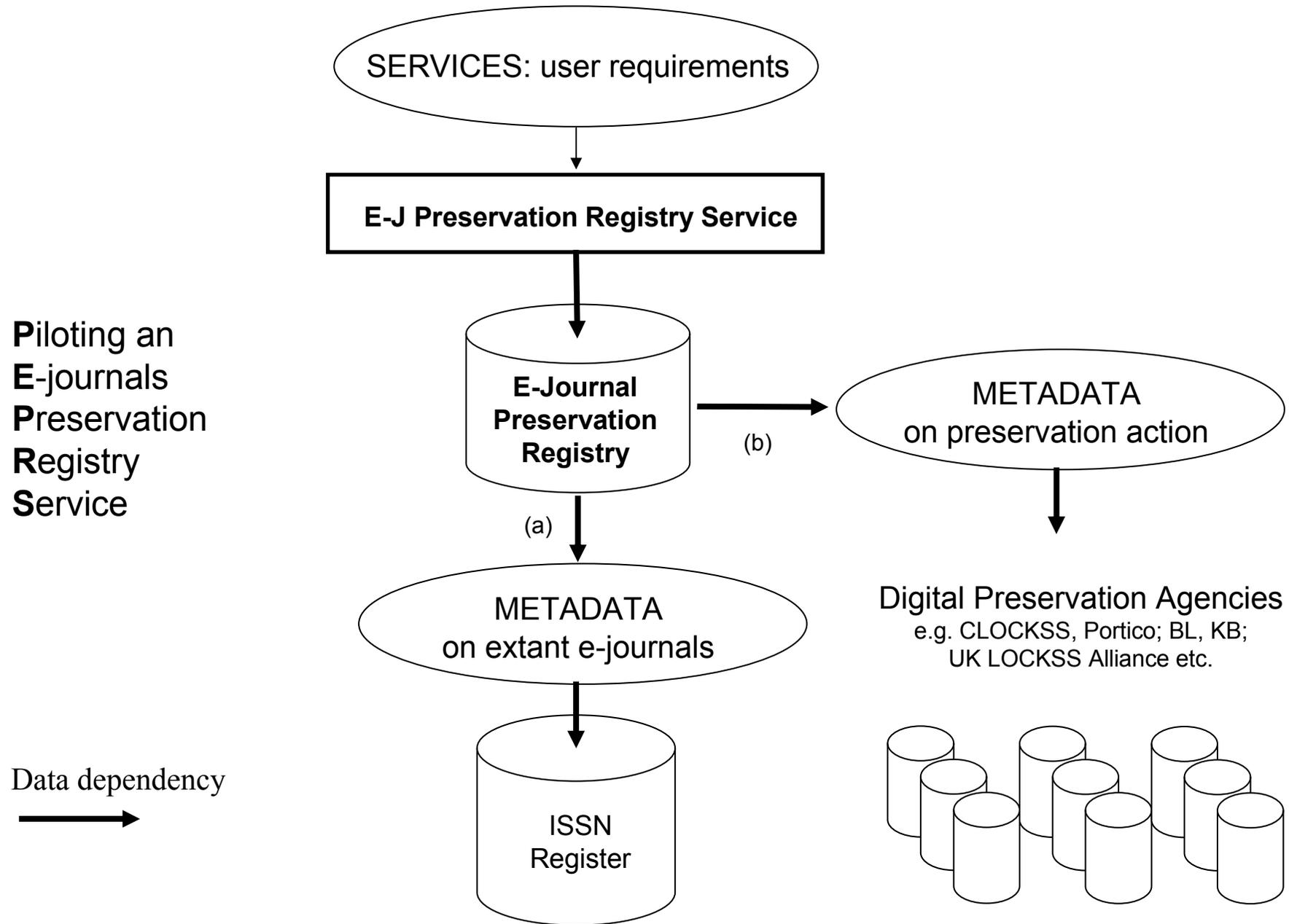   – Policy / Technology / Governance / Access terms and conditions

Multi-level:

– Areas of concern; (metadata) fields; comparable vocabulary
  * 'Ingest pending', 'ingest in progress', 'archived'
– Who should/could register, who decides …

International:

– Registry must be capable of operating internationally

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

SERVICES: user requirements

E-J Preservation Registry Service

Piloting an E-journals **Preservation Registry Service**

E-Journal Preservation Registry

METADATA on preservation action

(b)

(a)

METADATA on extant e-journals

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

Data dependency

ISSN Register

PEPRS
Piloting an e-journals preservation registry service

Home | Advanced | About | Help

Search

Search ⦿ ISSN ○ Phrase from Journal Title ○ Key Words

for | 1741-2846 | (search)

Browse

Browse ⦿ Agency ○ Publisher ○ Title

for | | (browse)

Example: a search on ISSN*

'International Journal of High Performance Computing Applications'

- Can search on ISSN for electronic version or print version

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

PEPRS
Piloting an e-journals preservation registry service

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

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Preservation information

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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

PEPRS
Piloting an e-journals preservation registry service

OpenURL linking to PEPRS

Creating OpenURL links to PEPRS allows web resources and services to link directly into PEPRS, providing the user with details on the preservation of e-journals.

PEPRS uses the standard OpenURL parameters. To complete the remainder of the search string (OpenURL script) http://edina.ac.uk/cgi-bin/peprs-openurl.cgi we recommend using rft.genre=journal and the following key:

OpenURL key	PEPRS search
issn	ISSN

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.

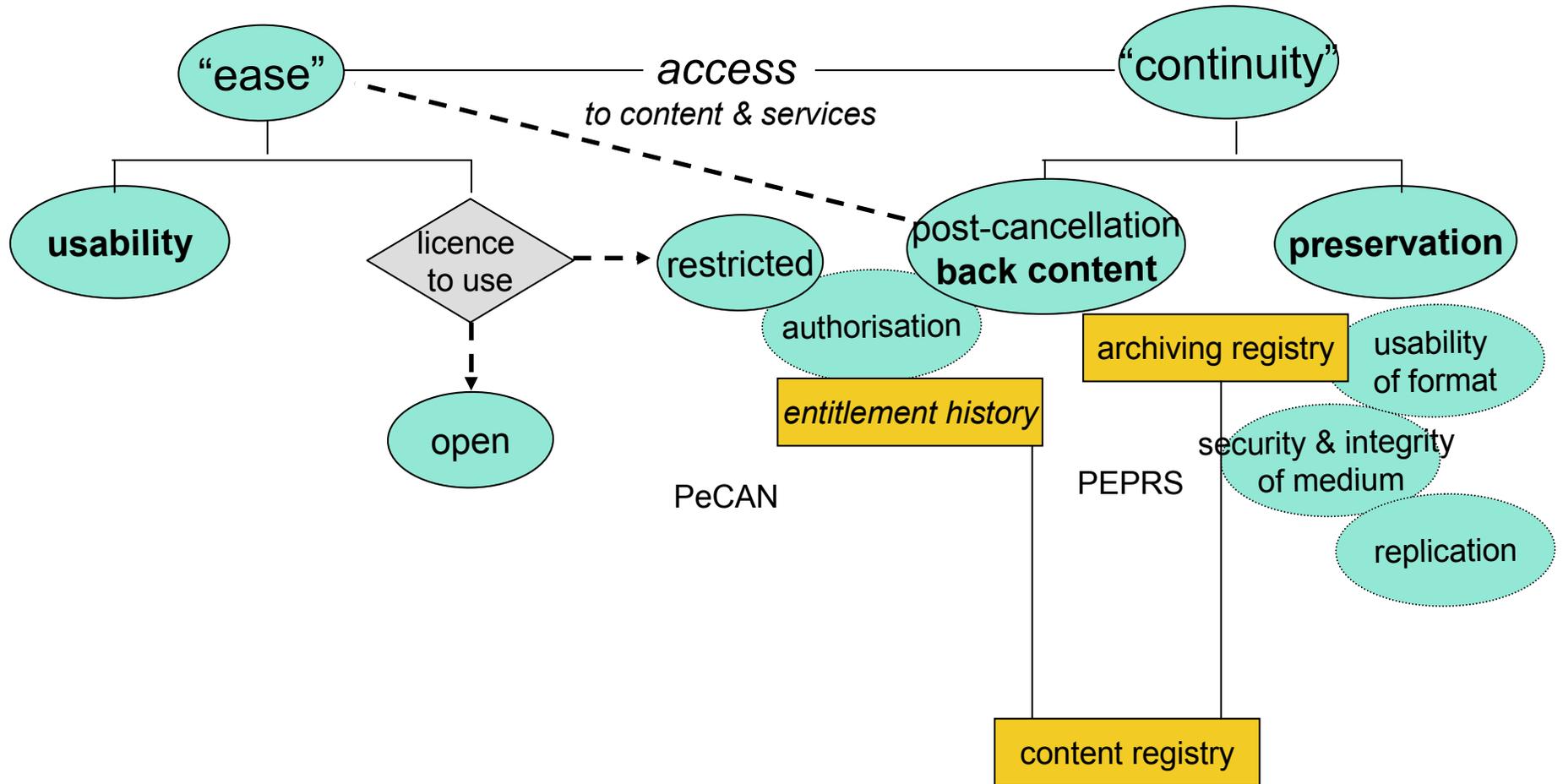More information on OpenURL linking is available from NISO Standards.

We are exploring the standards to use for m2m use of the registry service, so PEPRS could be used within union catalogues and other serial services.

Matters unresolved (1)
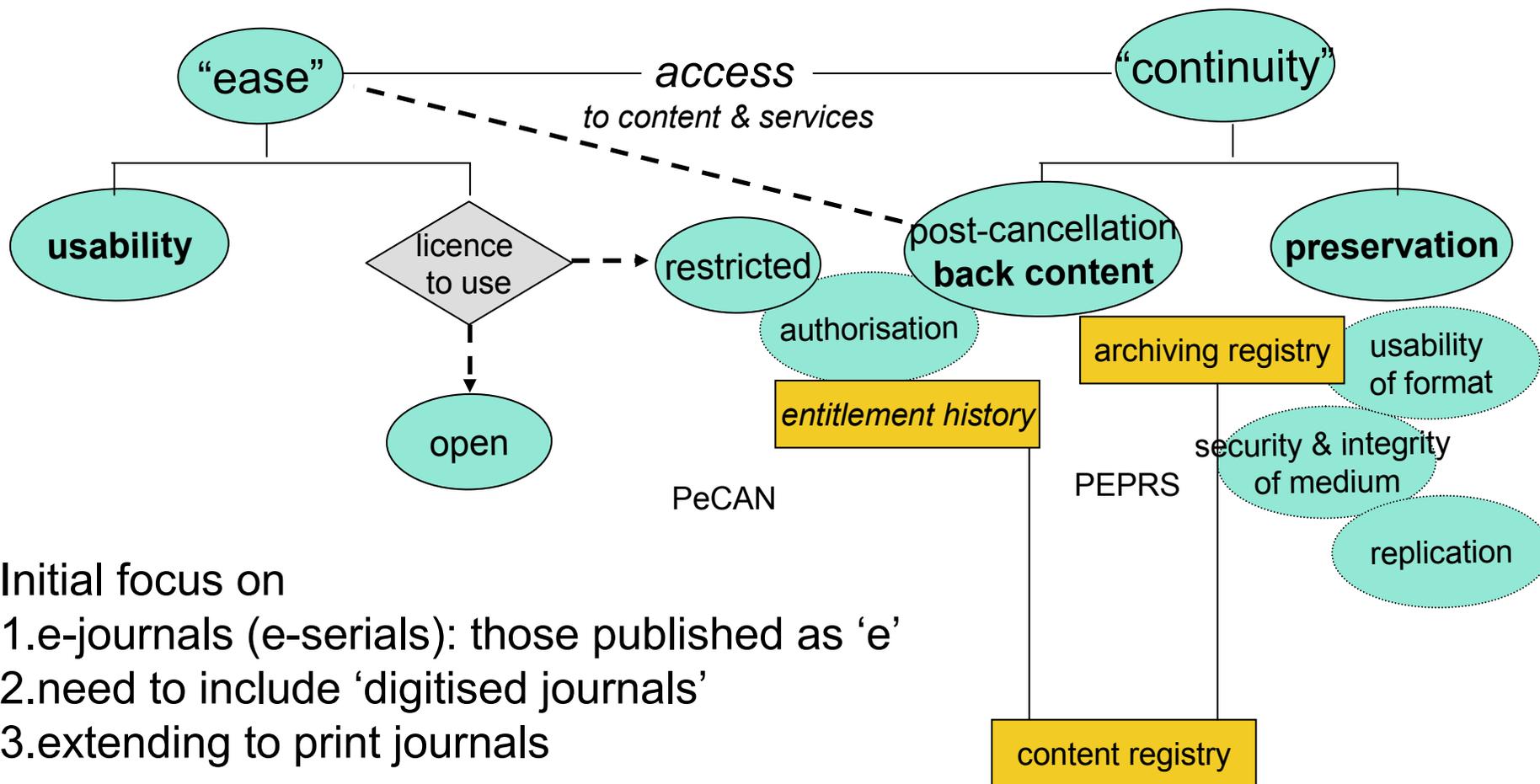
what users want to know …

1. 'Continuity of access', not just preservation
   - many archiving agencies may want to say what they offer about 'perpetual access', access to back copy of digital content, especially after cancellation of a current subscription
   - should PEPRS try to adapt, is something else needed
     * PECAN – EDINA & JISC Collections investigating 'entitlement registry' to show what libraries have rights to
     * Then how they establish some 'ease of access'

Ensuring
researchers, students and their teachers have
ease and continuity of access
to online scholarly resources

access
to content & services

"ease"

"continuity"

usability

licence to use

restricted

post-cancellation
back content

preservation

open

authorisation

archiving registry

usability
of format

entitlement history

security & integrity
of medium

PeCAN

PEPRS

replication

content registry

ISSN Register as a content registry

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PeCAN

PEPRS

content registry

Initial focus on
1. e-journals (e-serials): those published as 'e'
2. need to include 'digitised journals'
3. extending to print journals

• ISSN Register has e-ISSNs and p-ISSNs,
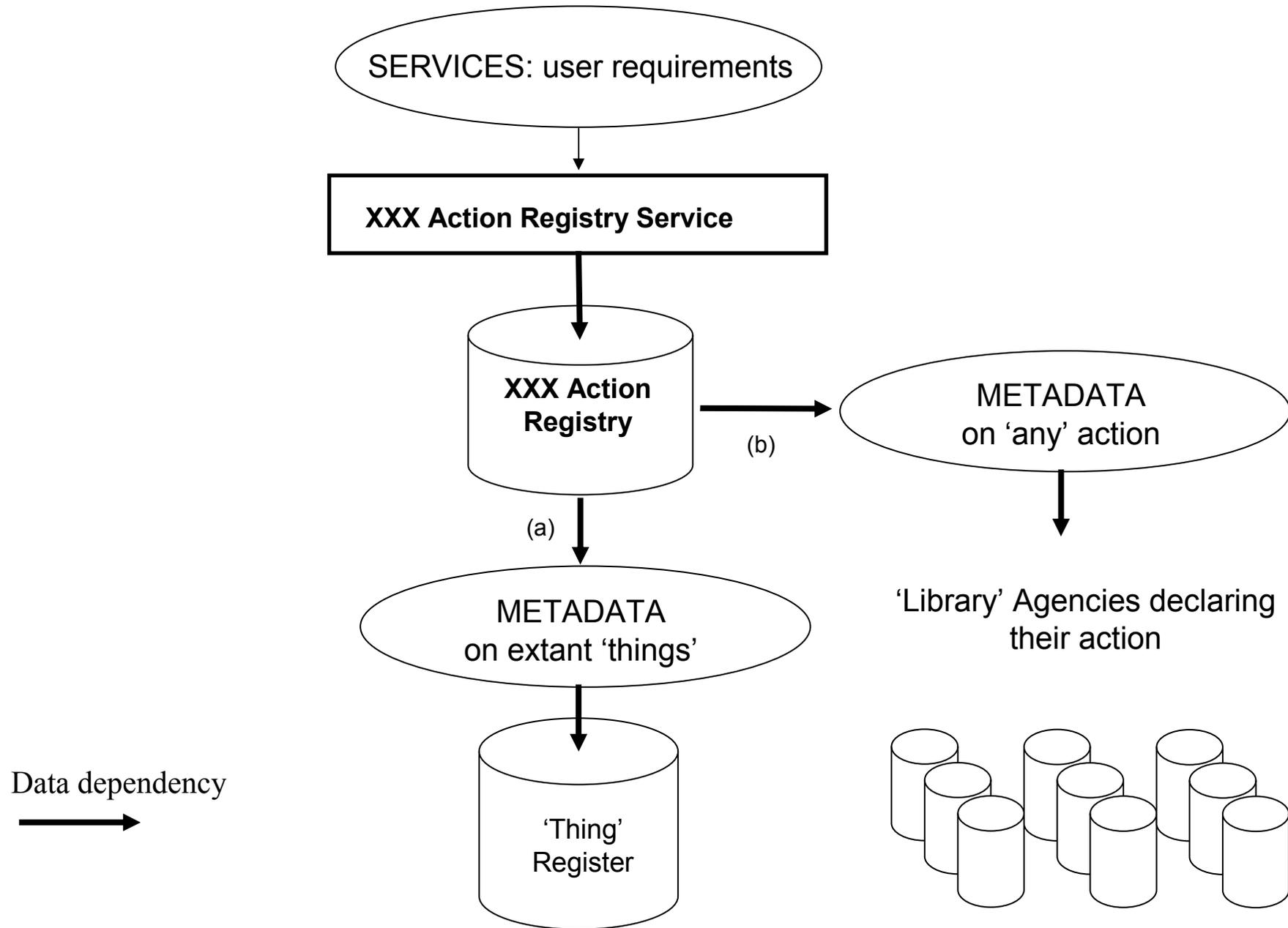linked by ISSN-L, but jury is out on d-ISSNs

extending the scope

Could therefore generalise from archiving agency, to library as agency what library action – subscribing, holding etc : relevance for UKRR and for SUNCAT

Or even action by any agency – mapped against an identification statement (and registry) of things that exist, and have suitable identifier(s)

Abstract Data Model for the general problem

SERVICES: user requirements

XXX Action Registry Service

XXX Action Registry

(b)

METADATA
on 'any' action

(a)

METADATA
on extant 'things'

'Library' Agencies declaring
their action

Data dependency

'Thing'
Register

Matters unresolved (2)

what users want to know …

2. ## What about repositories of digitised journals?
   - Google scanning & other programmes of digitisation (HATHI)
     * http://www.hathitrust.org/
   - About ease of access as well as continuity of access

3. ## What about print archiving?
   - UK Research Reserve
     * De-shelving with knowledge of digital availability/preservation
     * http://www.ukrr.ac.uk/
   - (US) Council of Research Libraries
     * http://www.crl.edu/archiving-preservation/digital-archives
     * Approached PEPRS; discussions with CDL and Portico

Other *BIG* Issue

Challenged by the characteristics of the media

How should we model costs in the digital age?

How to afford to do what we have to do to meet our missions?

– Is the present financial cut-back just a temporary blip?

- Blue Ribbon Task Force
  on sustainable digital preservation and access

  – Sustainable economics for a digital planet: Ensuring long-term access to digital information

  – http://www.jisc.ac.uk/brtf

  – to ensure that the knowledge of today is available for use tomorrow.

  Not just a scholarly problem ...
  its the next Grand Challenge for BIG Society

Recap

All who are here have responsibility for the scholarly

- *To ensure ease and affordable continuity of access to …*

We are challenged by the characteristics of the media

Lots being done …

but we need a policy framework and a programme of collaboration across the parties that can do things.