



# **Knowledge Bases and Related Tools (KBART)**

**October 2013**

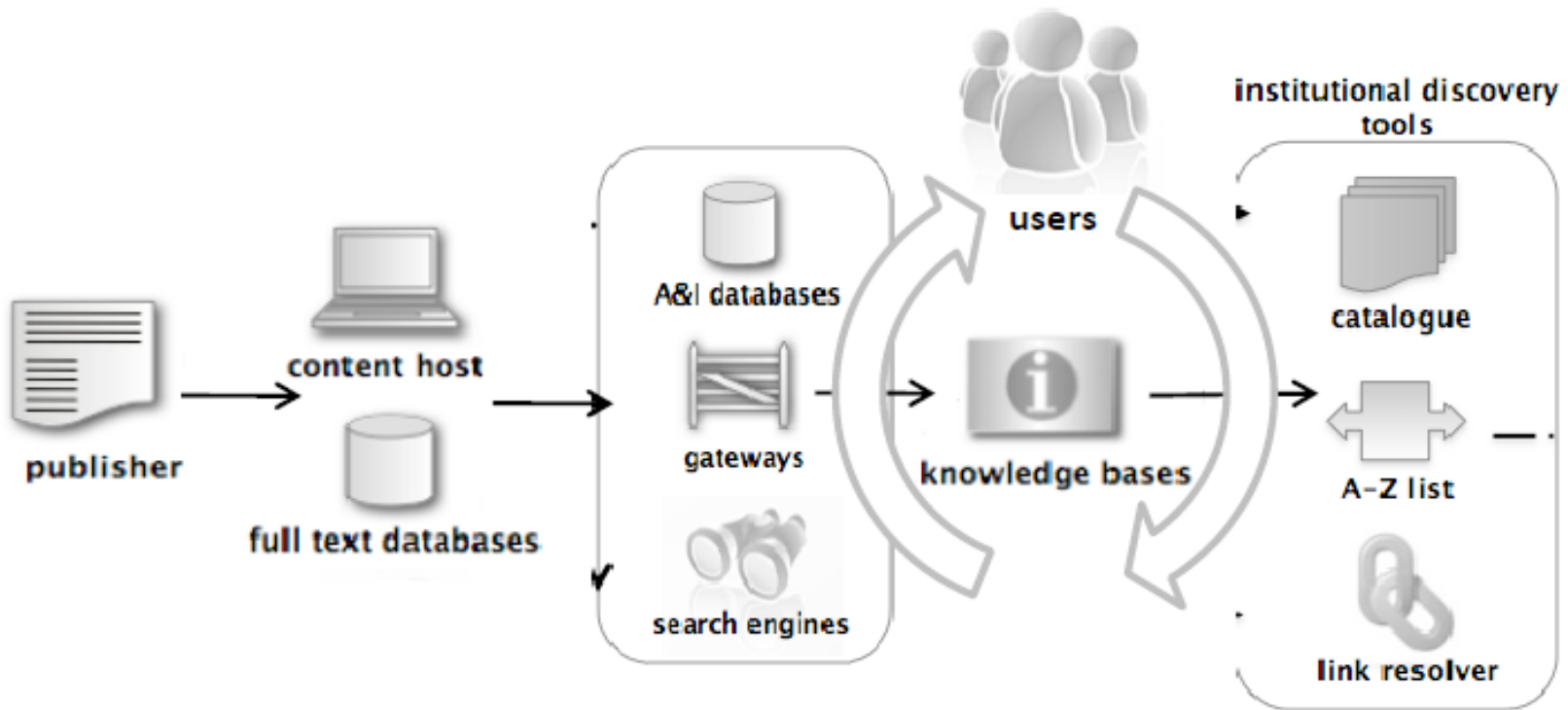
Magaly Bascones

Jisc Collections – KB+

Co-Chair KBART Working Group



# Metadata Supply Chain



# Where the chain breaks : Data

- Wrong data.
- Outdated data.

# Where the chain breaks :

## Workflows

- Need to contact providers again and again.
- Receiving title lists form different sources on different formats and sometimes with contradictory data.
- Invest a lot of time formatting and correcting data problems.
- Update procedures vary by provider.



# K nowledge B ases A nd R elated T ools

UKSG and NISO collaborative project

# Who is on KBART?

- Working group members (stakeholders):
  - Knowledge base vendors  
ExLibris, Serials Solutions, EBSCO, OCLC
  - Content Providers (Publisher & Aggregators)  
Taylor & Francis, Springer, etc
  - Libraries & Consortia
- Full list -- <http://www.niso.org/workrooms/kbart>

# KBART

- **Phase 1** - Universally accepted standardized publisher metadata, regularly distributed AND available on demand (2010)
- **Phase 2** - Broad adoption, Consortia, More content type coverage (eBooks, conference proceedings), Open Access (2013)



# KBART: A simple metadata exchange format



publication_title	Publication title
print_identifier	Print-format identifier (i.e., ISSN, ISBN, etc.)
online_identifier	Online-format identifier (i.e., eISSN, eISBN, etc.)
date_first_issue_online	Date of first issue available online
num_first_vol_online	Number of first volume available online
num_first_issue_online	Number of first issue available online
date_last_issue_online	Date of last issue available online (or blank, if coverage is to present)
num_last_vol_online	Number of last volume available online (or blank, if coverage is to present)
num_last_issue_online	Number of last issue available online (or blank, if coverage is to present)
title_url	Title-level URL
first_author	First author (for monographs)
title_id	Title ID
embargo_info	Embargo information
coverage_depth	Coverage depth (e.g., abstracts or full text)
coverage_notes	Coverage notes
publisher_name	Publisher name (if not given in the file's title)

# Example: Scitation Serial Titles List



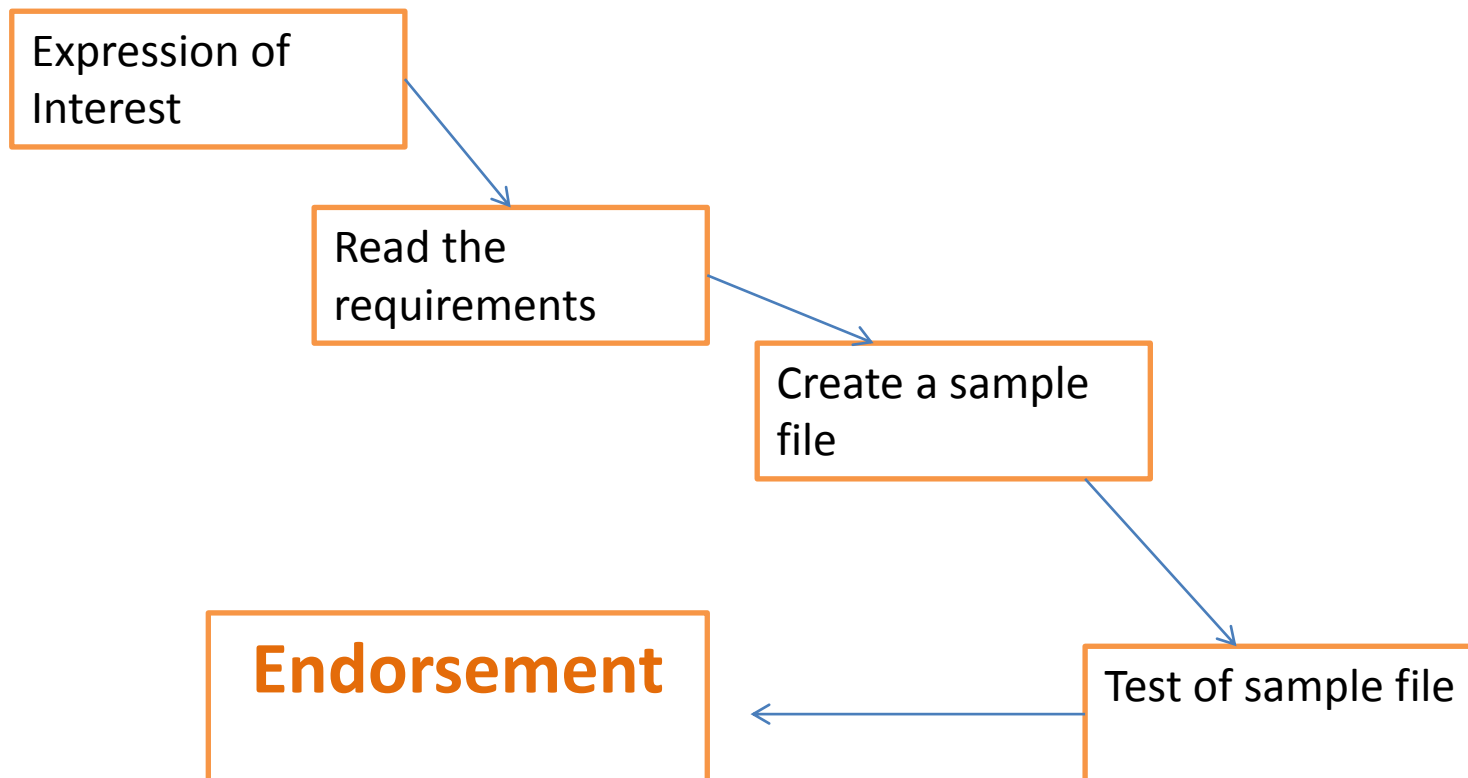
publication_title	print_identifier	online_identifier	date_first_issue_online	num_first_vol_online	num_first_issue_online	url
Accounting and the Public Interest		1530-9320	2001	1	1	<a href="http://link.aip.org/link/">http://link.aip.org/link/</a>
Accounting Horizons	0888-7993	1558-7975	1999-03	13	1	<a href="http://link.aip.org/link/?ACHXXX">http://link.aip.org/link/?ACHXXX</a>
Acoustics Research Letters Online	1529-7853	1529-7853	2000-07	1	1	<a href="http://link.aip.org/link/">http://link.aip.org/link/</a>
Acoustics Today	1557-0223	1557-0223	2005-10	1	1	<a href="http://link.aip.org/link/?ATCODK">http://link.aip.org/link/?ATCODK</a>
AIP Advances	2158-3226	2011-03	1	1		<a href="http://link.aip.org/link/?AAIDBI">http://link.aip.org/link/?AAIDBI</a>
AIP Conference Proceedings	0094-243X	0094-243X	1970	1		<a href="http://link.aip.org/link/">http://link.aip.org/link/</a>
American Journal of Physics	0002-9505		1933-02	1	1	<a href="http://link.aip.org/link/?AJPIAS">http://link.aip.org/link/?AJPIAS</a>
APL: Organic Electronics and Photonics		1941-420X	2008-01	1	1	<a href="http://link.aip.org/link/">http://link.aip.org/link/</a>
Applied Mechanics Reviews	0003-6900	0003-6900	1985-10	38	10	<a href="http://link.aip.org/link/">http://link.aip.org/link/</a>
Applied Physics Letters	0003-6951	1077-3118	1962-09-01	1	1	<a href="http://link.aip.org/link/">http://link.aip.org/link/</a>
Applied Physics Reviews	1931-9401	1980		1		<a href="http://link.aip.org/link/?JAPAPR">http://link.aip.org/link/?JAPAPR</a>
ASCE Conference Proceedings		1996				<a href="http://link.aip.org/link/?ASCECP">http://link.aip.org/link/?ASCECP</a>
ASME Conference Proceedings		2002				<a href="http://link.aip.org/link/?ASMECP">http://link.aip.org/link/?ASMECP</a>
Astronomy Education Review	1539-1515		2001-10	1	1	<a href="http://link.aip.org/link/?AERSCZ">http://link.aip.org/link/?AERSCZ</a>
Auditing: A Journal of Practice and Theory		0278-0380	1558-7991	1999-03	18	<a href="http://link.aip.org/link/">http://link.aip.org/link/</a>
Behavior Research in Accounting	1050-4753	1558-8009	2001	13	1	<a href="http://link.aip.org/link/">http://link.aip.org/link/</a>
Biointerphases	1559-4106	2006-03	1	1	2006-12	<a href="http://link.aip.org/link/?BJIOBN">http://link.aip.org/link/?BJIOBN</a>
Biointerphases	1934-8630	2007-03	2	1		<a href="http://link.aip.org/link/?BJIOBN">http://link.aip.org/link/?BJIOBN</a>
Biomicrofluidics	1932-1058	2007-01	1	1		<a href="http://link.aip.org/link/?BIOMGB">http://link.aip.org/link/?BIOMGB</a>
Chaos: An Interdisciplinary Journal of Nonlinear Science		1054-1500		1089-7682	1991-07	<a href="http://link.aip.org/link/">http://link.aip.org/link/</a>
Communications Engineer	1479-8352	1741-0452	2003-02	1	1	<a href="http://link.aip.org/link/?CEONCR">http://link.aip.org/link/?CEONCR</a>
Computer Aided Engineering Journal	0263-9327		1983-11	1	1	<a href="http://link.aip.org/link/">http://link.aip.org/link/</a>
Computerised Manufacturing	0269-8536		1986-06	1986	1	<a href="http://link.aip.org/link/?CMMAE2">http://link.aip.org/link/?CMMAE2</a>
Computers in Physics	0894-1866		1997-01	11	1	<a href="http://link.aip.org/link/?CPHYE2">http://link.aip.org/link/?CPHYE2</a>
Computing and Control Engineering	0056-2385	1741-0450	2003-02	14	1	<a href="http://link.aip.org/link/">http://link.aip.org/link/</a>



# Why KBART has been adopted by publishers?

- It is an accepted data format.
- It exposes content to greater usage.
- It increases quality and customer satisfaction.

# The KBART adoption process



# KBART Registry : Endorsement framework for content providers



KBART  
Registry


 

NISO KBART Web Site  
UKSG Information Hub  
Join the Registry

This registry aims to provide a list of contacts, URLs and instructions relating to the transfer of e-resource metadata between content providers and link resolvers. Please note, KBART endorsers are annotated with KBART logo.

#### Contents

- [1 Alexander Street Press](#)
- [2 American Institute of Physics](#)
- [3 Annual Reviews](#)
- [4 Cambridge Journals Online](#)
- [5 Cengage Learning / Gale](#)
- [6 EBSCO Information Services](#)
- [7 EBSCO Publishing](#)
- [8 Edinburgh University Press](#)
- [9 Ex Libris](#)
- [10 Inqenta Connect](#)
- [11 Innovative Interfaces](#)
- [12 LOCKSS](#)
- [13 OCLC](#)
- [14 reSearcher](#)
- [15 Royal Society Publishing](#)
- [16 Serials Solutions](#)
- [17 Springer Science and Business Media](#)
- [18 Swets](#)
- [19 TDNet](#)

 Alexander Street Press

Organization Type	Content Provider
Platform URL	<a href="http://alexanderstreet.com">http://alexanderstreet.com</a>

Registry shortcut:  
<http://bit.ly/kbartregistry>

# Where are we now?

- Phase I KBART Recommended Practice released Jan 2010.
- Endorsement framework for content providers.
- **Phase II started in 2010 and draft out for consultation until 4th October 2013 on NISO website. Currently draft under review.**

## Phase II

- Open Access
- Consortia Metadata
- Ebooks

**As today, the final document hasn't been published yet**



## KBART Survey of Libraries and Consortia

- Majority agreed that accurate “standardized” holding lists were very important to members of their consortium.
- Perceived their knowledge base accuracy to be about 80% although they strive for greater than 95% accuracy.
- Almost 70% of respondents indicated that it would be useful to identify Open Access and free content
- 55% would like to see Open Access and free content grouped together as a collection and 45% would like to see OA and free content interspersed amongst vendor and publisher packages.

# Open Access

The decision was made not to differentiate between Free and OA for KBART.

**“Needed to strike a balance between noting significant OA content and making the file understandable”**

# Phase II: OA Recommendations

Free-text **coverage\_notes** field suggested to explain subtleties of OA availability for a particular title.

New field - **access\_type**

“F” - title is mostly fee-based  
(subscription/purchase)

“OA” - 50% or more of the title is OA/freely accessible.

# Consortia Metadata

- Consortium-specific files should be created when:
  - A unique set of titles has been packaged for the consortium, different than the Content Provider's standard packages.
  - A package contains unique dates of coverage.

# Consortia – New File Name Examples

- Title list is not region or consortium-specific, includes all titles from the content provider:
  - JSTOR\_Global\_AllTitles\_2008-12-01.txt
  - Taylor & Francis\_Global\_AllTitles\_2012-08-30
- Title list is consortium-specific, for a specific package:
  - IOP\_NESLi2\_Option 1 (2011)\_2012-05-31.txt (includes a year as part of the package name)
  - Oxford\_SCELC\_AllTitles\_2012-01-09.txt (contains all titles that the consortium has subscribed to)
- Title list is region-specific, for a specific package:
  - Springer\_Asia-Pacific\_Medicine\_2012-08-03.txt

# Ebooks

- Phase I
  - Recommendations were serial-centric. Only one Ebooks specific field:  
first\_author
  - Some fields were dual-purpose
    - date\_first\_issue\_online
    - Identifiers
  - Holding's content type was ambiguous
- Phase II
  - 5 new monographic fields added

# Phase II: New Ebooks fields

- `date_monograph_published_print`
- `date_monograph_published_online`
- `monograph_volume`
- `monograph_edition`
- `first_editor`

# Book Series / Proceedings - Phase II



- Challenges
  - Both serial and monograph
  - Users search for both titles
- New fields
  - parent\_publication\_title\_id
  - preceding\_publication\_title\_id



# Shared Knowledge Base Initiatives

- **Knowledge Base+** ([www.kbplus.ac.uk/kbplus/](http://www.kbplus.ac.uk/kbplus/))- Run by JISC Collections (UK), KB+ is a shared community service knowledge base for UK academic libraries to support the management of electronic resources.
- **GOKB**, the Global Open Knowledgebase ([gokb.org/](http://gokb.org/)) (USA) - an open, community-based, international data repository that will provide libraries with publication information about electronic resources.

# KBART : What is next?



Phase 1 – Universally accepted standardized publisher metadata, regularly distributed AND available on demand

Phase 2 – Broad adoption, Consortia, More content type coverage (eBooks, conference proceedings), Open Access

**Phase 3?** – Even more content types, automated delivery, institutional metadata????

# Thank You!

Magaly Bascones

Co-Chair KBART

Data Manager, Knowledge Base +,

Jisc Collections

[m.bascones@jisc-collections.ac.uk](mailto:m.bascones@jisc-collections.ac.uk)