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KBART Phase III Update

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KBART Phase III Update

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What is KBART?

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What is KBART?

Recommendations for the transmission of data to knowledgebases (KBs)

Title and package data of electronic serials and books

Purchased/leased/accessed by libraries

Transparency of data exchanged

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Who is the KBART Standing Committee?

Co-chairs

Noah Levin
KBART Standing Committee Co-chair

Andrée Rathemacher
Professor / Head, Acquisitions
University of Rhode Island

Members

Davin Baragiotta
IT Lead
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Dominic Benson
Analytics and Discovery Officer
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Courtney Bremer
eResources Access Manager
University of Waterloo Library

Mark Calkins
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Stephanie Doellinger
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Springer Nature

Jason Friedman
Manager, Member and Metadata Services
The Canadian Research Knowledge Network

Robert Heaton
Collection Management Librarian
Utah State University Libraries

Benjamin Johnson
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ProQuest

Sheri Meares
EBSCO Information Services

Jonathan Ponder
ITHAKA/JSTOR/Portico

Christine Stohn
Senior Product Manager, Discovery & Delivery
Ex Libris/Proquest

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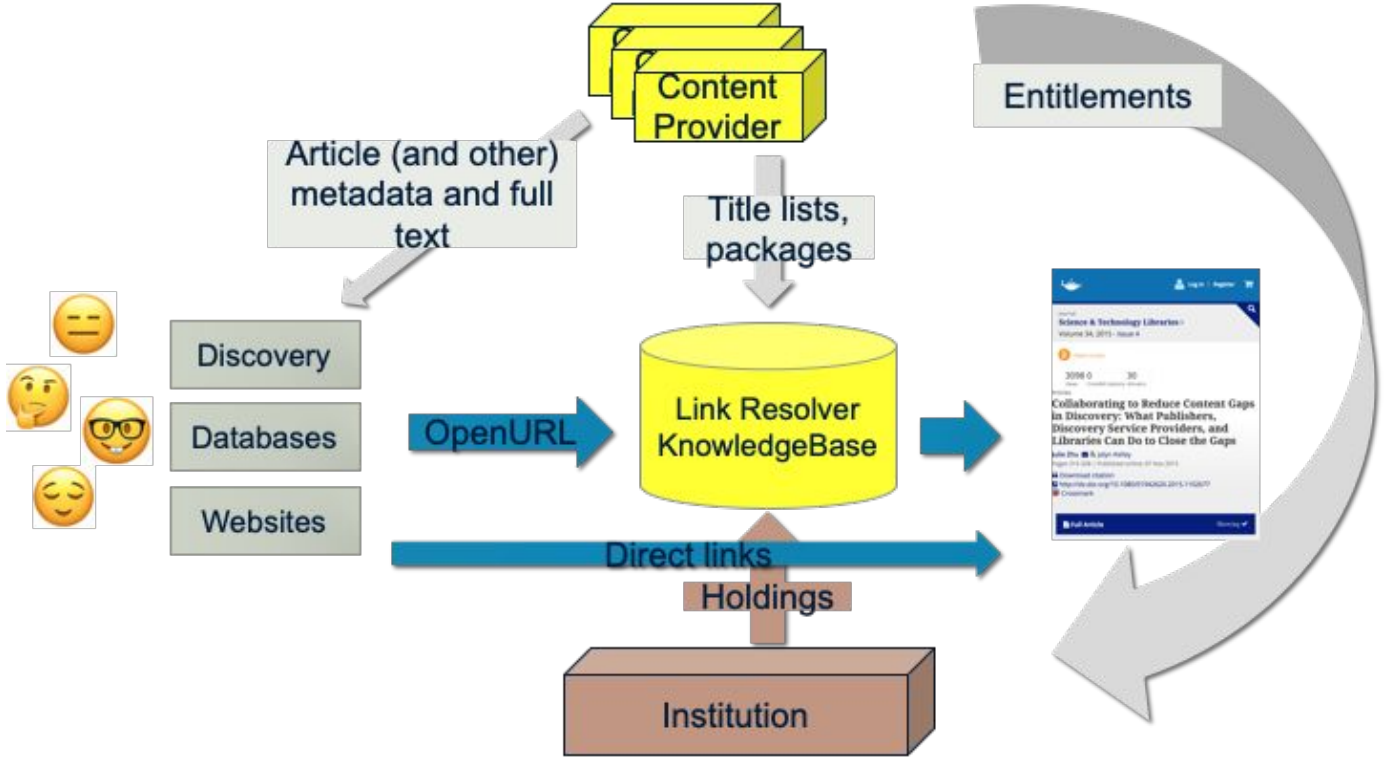
Why KBART?

- Culling, James. “Link Resolvers and the Metadata Supply Chain” (2007) (https://www.uksg.org/sites/uksg.org/files/uksg_link_resolvers_final_report.pdf)
- Inconsistent holding list metadata format
  - Embargo period format
    - Example relative vs. absolute embargo?
  - Date/enumeration formats
    - MM-DD-YYYY? / DD-MM-YYYY?
- Inconsistent metadata update procedures ...

Discovery/Delivery Landscape



KB management before KBART (libraries)

Proactive reconciliation of an ejournal package list:

- Request title list with detailed holdings info from publisher (repeatedly, naggingly)
- Compare with that of your subscription agent and KB vendor
- Now that you have 3 (or more) different title lists, translation phase includes dealing with:
  - Number of titles and titles themselves
  - ISSN mis-matches
  - Title changes, mergers, acquisitions, new starts, and losses
  - Publisher-reuse of ISSNs/title combinations
  - Reconciling date discrepancies manually (and inconsistent/unclear formats)
- Go live
- Lather, rinse, repeat!

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KB management before KBART (KB vendors)

- Similar to the library's process
- Need to contact providers again and again
- Invest a lot of time correcting data problems
    - Investigating end-user queries and complaints
- Update procedures vary by provider
- If unable to get data from provider, may resort less preferable acquisition methods (web site inspection)
    - Last resort, not preferred

KBART Sample

Note: The spreadsheet for this data has been split into three sections for viewability in this document. The second and third sections represent additional columns that were appended to the first section in the original spreadsheet.

publication_title	print_identifier	online_identifier	date_first_issue_online	num_first_vol_online	num_first_issue_online	date_last_issue_online	num_last_vol_online	num_last_issue_online
Dante and Aquinas	978-1-909188-03-7	978-1-909188-07-5	2013-05-15					

title_url	first_author	title_id	embargo_info	coverage_depth	notes	publisher_name	publication_type
http://www.ubiquitypress.com/files/DanteAndAquinas.pdf	Ryan	10.5334/bad		fulltext	Published under CC-BY license	Ubiquity Press	monograph

date monograph published_print	date monograph published_online	monograph_volume	monograph_edition	first_editor	parent publication title_id	preceding publication_title_id	access_type
2013-05-15	2013-05-24		1	Took			F

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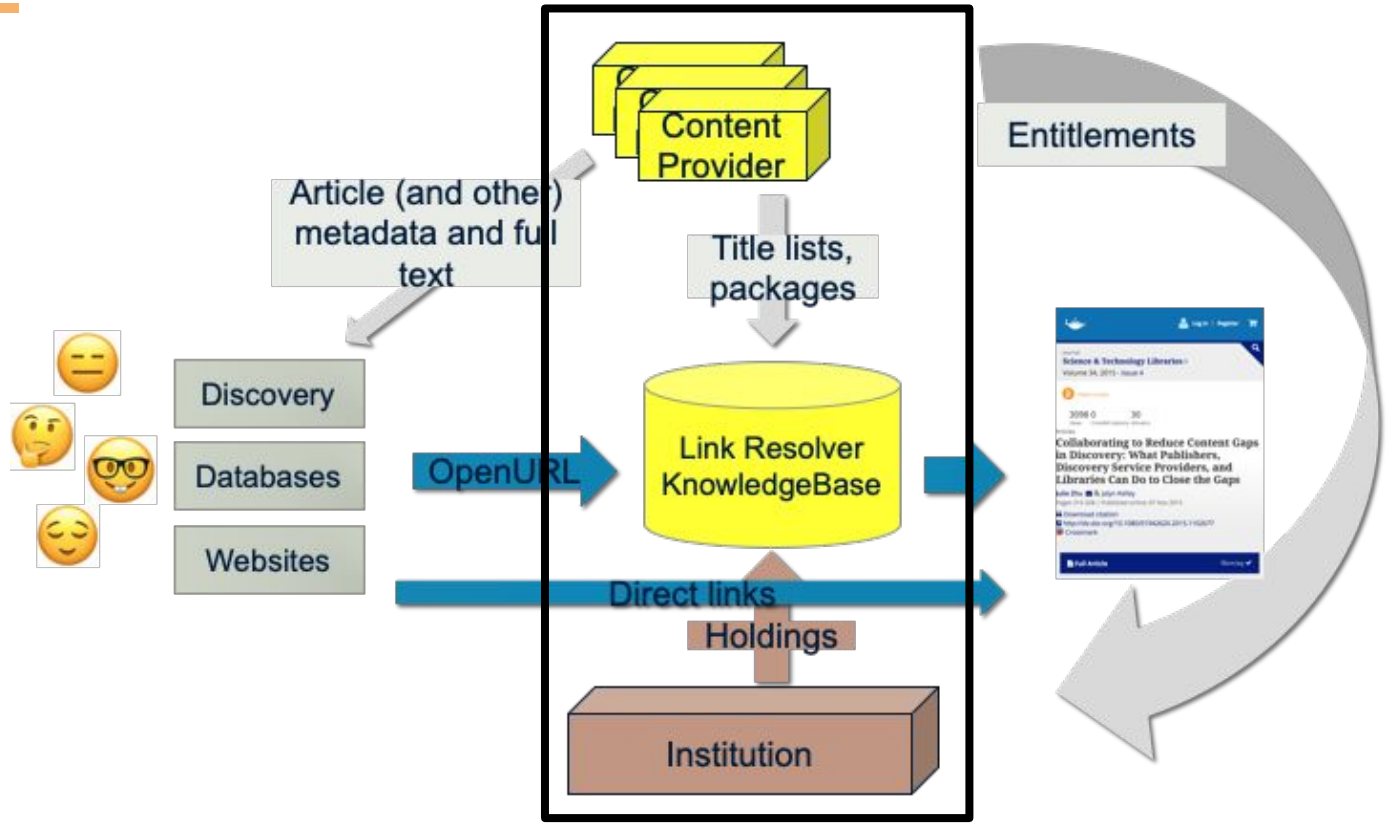
KBART Automation



2011…

The Future of KBART

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????

KBART Phase III

Began March 2020

8 work items

KBART Standing Committee working in sub-groups on a few items at a time

Entire process, including initial draft, feedback, and final draft for publication = ~ 17 mos.

Work item 1: Clarify current recommendations

KBART Phase III will clarify the recommendations in the existing Recommended Practice.

- Expanded information on what file(s) to create and what metadata to include
- Clarifications and additional information on data fields
- More examples of correct implementation, preferably for every field or recommendation
- More guidance on handling:
  - Gaps in coverage for serials
  - Supplements for serials (which may have a different title but share an ISSN)
  - Title changes and title histories for serials (with respect to publisher ability to provide this data)
  - Handling of items withdrawn/no longer available for purchase

Work Item 2: Endorsement process

KBART Phase II endorsement process has only one tier for content providers.

For KBART Phase III, an overhaul of the endorsement process will be investigated:

- Varying levels of endorsement
- Endorsement of content providers vs. knowledge base vendors
- Branding and focus of program
- Role of KBART Registry in regard to how endorsement is communicated

Work Item 3: Additional content types

KBART Phase II only provides holdings data for serials and monographs.

Content providers with multimedia and non-journal/non-book formats have no recommended way to communicate these holdings.

KBART Phase III will support additional content types:

- Textual (blogs, transcripts, websites, manuscripts, datasets, etc.)
- Non-textual (audio, video, images, etc.)

Work Item 3: Global content

Global content has little support in KBART Phase II.

KBART metadata does not identify translations of items or represent author names or titles in multiple languages.

KBART Phase III will offer improved support for global content.

Work Item 4: File guide

Many content providers have an extensive catalog of content for sale (by content type, subject, geographic region, consortium, etc.) This results in a separate KBART file for each offering.

As content packages change, knowledge base vendors and librarians cannot easily keep track of what has been added, removed, or changed.

KBART Phase III will investigate requesting a document from content providers that serves as a guide to their files.

Work item 5: Sample license language

The Licensor will make available to third-party knowledge base providers an itemized holdings report that specifies the titles included in the Licensed Materials. The Licensor will use reasonable efforts to update itemized holdings reports as soon as is practicable when holdings information changes and will provide this information to knowledge base providers in a timely manner and to the Licensee on request. If the Licensed Materials include content covered by the NISO “Knowledge Bases and Related Tools (KBART) Recommended Practice”, the Licensor will provide itemized holdings reports for the Licensed Materials in KBART-compliant format.

In addition, the Licensor will make available to third-party knowledge base vendors and Subscribing Institutions institution-specific holdings reports. If the Licensed Materials include content covered by the NISO “Knowledge Bases and Related Tools (KBART) Recommended Practice”, the Licensor will make such holdings reports available for automated retrieving via an API that adheres to the requirements in the NISO “KBART Automation: Automated Retrieval of Customer Electronic Holdings” Recommended Practice.

Work item 6: Investigate alternate formats

Content providers have requested that KBART support file formats other than tab-delimited text files.

In KBART Phase III, we plan to identify the issues content providers are trying to resolve through alternate file formats.

Possible alternative file formats: XML, JSON

Would need to be ***in addition to*** tab-delimited text files

Work item 6: Investigate alternate formats

Pros:

- Easier for knowledge base ingestion?
- Can handle multiple data elements (e.g. ISBNs, title histories)
- Better support for additional content types beyond journal and monograph
- XML, JSON can contain data about the file itself (e.g. collection name, date file created)
- Better support for APIs and KBART Automation

Cons:

- Current KB systems were developed to handle .txt files. Burden to develop support for other file types?
- Simplicity of .txt file and human-readability have been key to success of KBART thus far

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Work item 7: Article/chapter-level data

New business models:

- Some publishers are interested in selling content at an article or chapter level, e.g. on a specific topic.
- Hybrid Open Access journals contain some articles that are open and some that are only available to subscribers.

Current results in KBART

- Holdings data necessarily incorrect, resulting in false positives or negatives for user.
- KBART files that attempt to present very granular holdings are unwieldy.
- “Free” vs. “Paid” content communicated at journal title level only.

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Work item 7: Article/chapter-level data

KBART Phase III will create a roadmap for communication of article/chapter-level holdings data.

- What work needs to be done in the future to realize support for article/chapter-level data?
- What groups and technical experts may be needed to accomplish this task?

Support for article and chapter-level data is ***not*** solvable within KBART Phase III, but we want to lay the foundation for the consideration of this problem by multiple groups.

Work item 8: KBART mission

KBART was originally created to support accuracy in OpenURL linking.

KBART Phase II expanded KBART to address consortia holdings, open access content, and e-books and conference proceedings.

Now, KBART is being used in unintended ways not imagined when KBART was first drafted.

This is largely due to the success of KBART: its simplicity and wide adoption in the information supply chain.

Work item 8: KBART mission

In KBART Phase III, we want to be clear that KBART's mission accurately reflects the modern usage of KBART along with the needs of KBART Automation and its focus on institutional-level holdings.

Today KBART files are used:

- To display library holdings in discovery systems, e-journal title lists, etc.
- To track library purchases in ERMs, for overlap analysis, to compare publisher packages, etc.
- To communicate to libraries and customers content available in publisher packages
- To communicate to libraries and institutions their available holdings

KBART Phase III: How can you get involved?

Take our short survey on: “What are the top three priorities that you are hoping that a revised KBART Recommended Practice would address?” at https://bit.ly/KBART2019

Or, contact us by email: kbart@niso.org

Join the interest group mailing list: https://groups.niso.org/lists/kbart_interest/

Respond to the KBART Phase III draft during the public feedback period