Linked Data Update

Special Interest Working Group

Ex Libris Users of North America

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Agenda

1. **Linked Data Support in Alma**
2. **Linked Data Support in Primo**

Linked Data Support in Alma

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- **Linked Data Enrichment in Alma**
- **RDA/RDF**
- **Roadmap**

Enrichment

- LD elements are usually not part of the bibliographic record itself –elements are generated automatically
- Alma generates LD elements for known attributes upon:
  - Publishing bibliographic records to discovery systems
  - LD API retrieval of bibliographic/authority record
- LD elements of a bibliographic record are presented in Alma repository staff search and MD editor

RDA/RDF API's

- Alma supports the following API's:
  - Retrieval of a **manifestation** in RDA/RDF format
  - Retrieval of a **work** in RDA/RDF format

- Manifestation level is parallel to the Alma bibliographic record level. The API returns:
  - **Work** fields with work URI
  - Links to all manifestations that are related to that work.
  - **Expression** fields
  - **Manifestation** fields
  - **Item** barcodes

RDA/RDF API's

- Work - Alma groups multiple BIB records into a single Work record. Grouping logic is based on the same logic used for discovery:
  - Normalized uniform title
  - Permutations of author + title

- The API returns:
  - **Work** fields with work URI
  - Links to all manifestations that are related to that work

Short Term Roadmap

- Libraries will be able to use MD editor to catalog LD elements

- Planned support for representing MARC bibliographic records in BIBFRAME 2.0 format
  - Publish MARC bibliographic records in BIBFRAME format
  - View a MARC record as a BIBFRAME record
  - Expose MARC bibliographic records as BIBFRAME via API

- In addition libraries will be able to publish their catalog to linked data consumer applications in RDA/RDF format

Long Term Roadmap

- Support for native cataloging in BIBFRAME starting with a proof of concept version.
- Support a triple store service for linked data in Alma.
- It will be possible to import records into the Alma catalog using BIBFRAME

Linked Data Support in Primo

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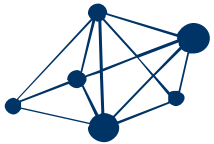
Linked Data in Discovery

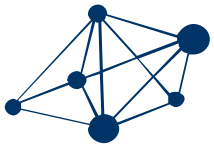
Seamlessly enrich the user interface with linked open data from external sources related to the records discovered

Expose library records in common schemas to be consumed by external LD sources and indexed by Internet search engines

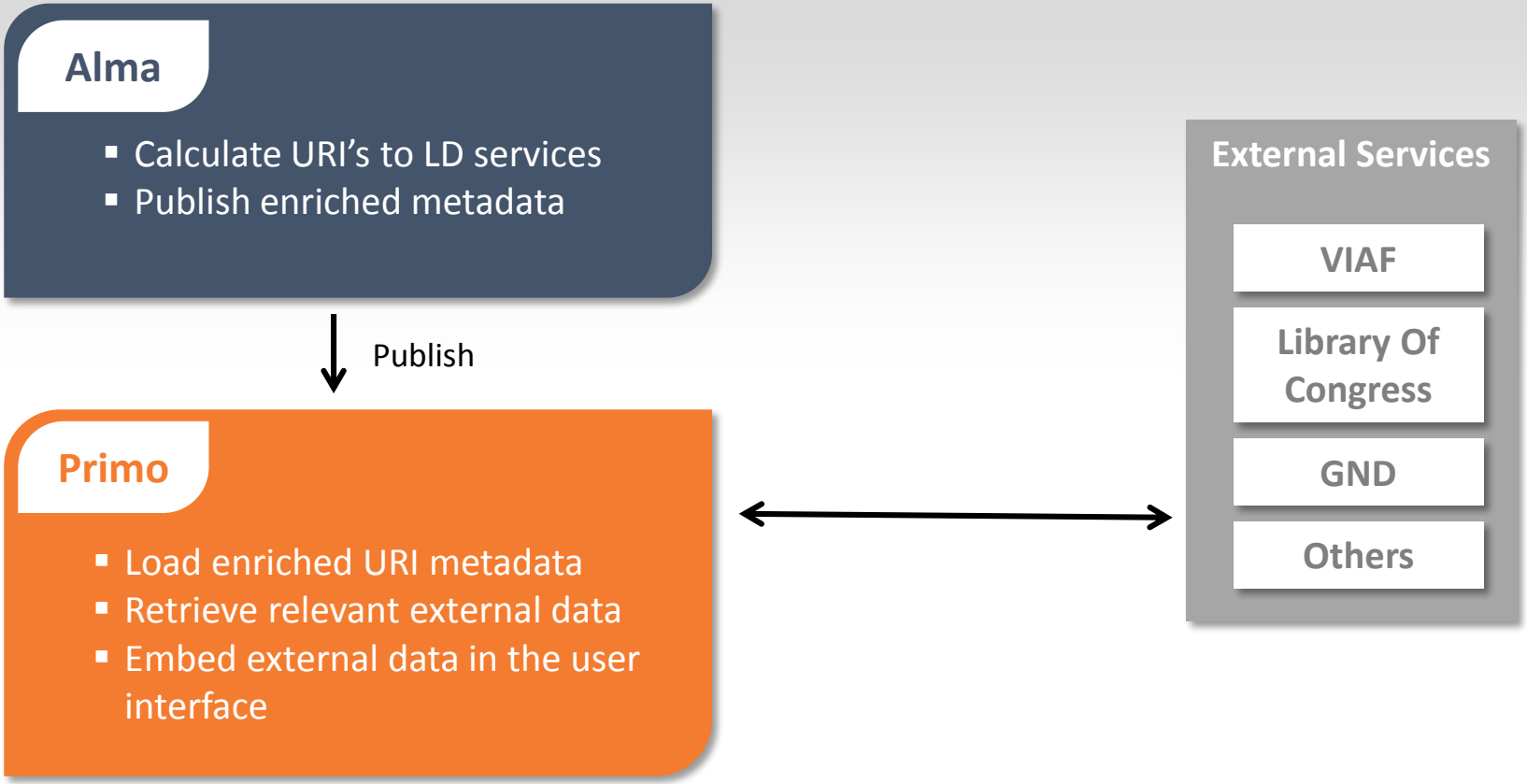


End User Function Enablement

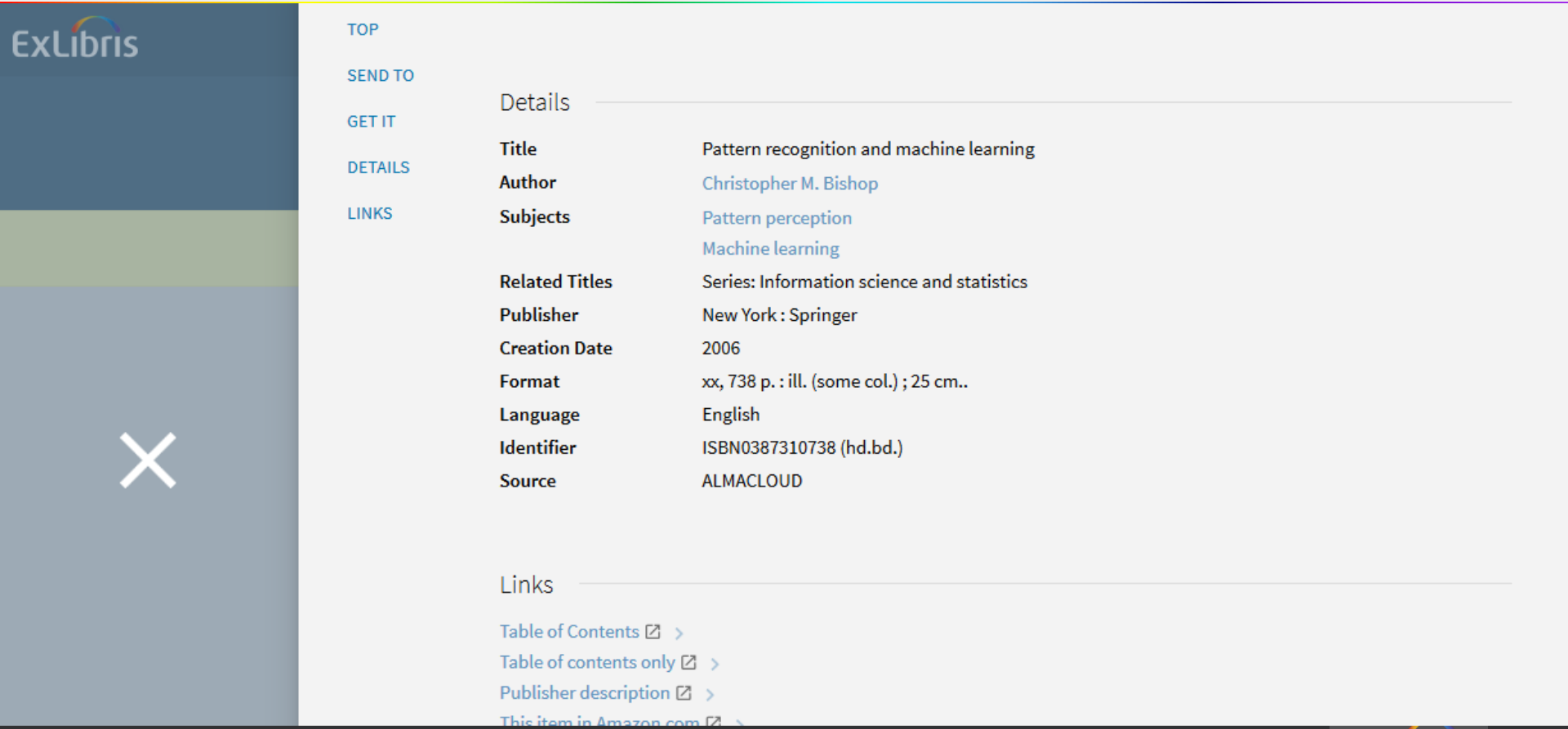
- Discuss use-cases for patron functionality
- Load URIs to PNX
- Expose basic use-case of Linked Data functionality in New Primo UI
- Allow the community to explore and expose additional functionality using the Open Discovery Framework



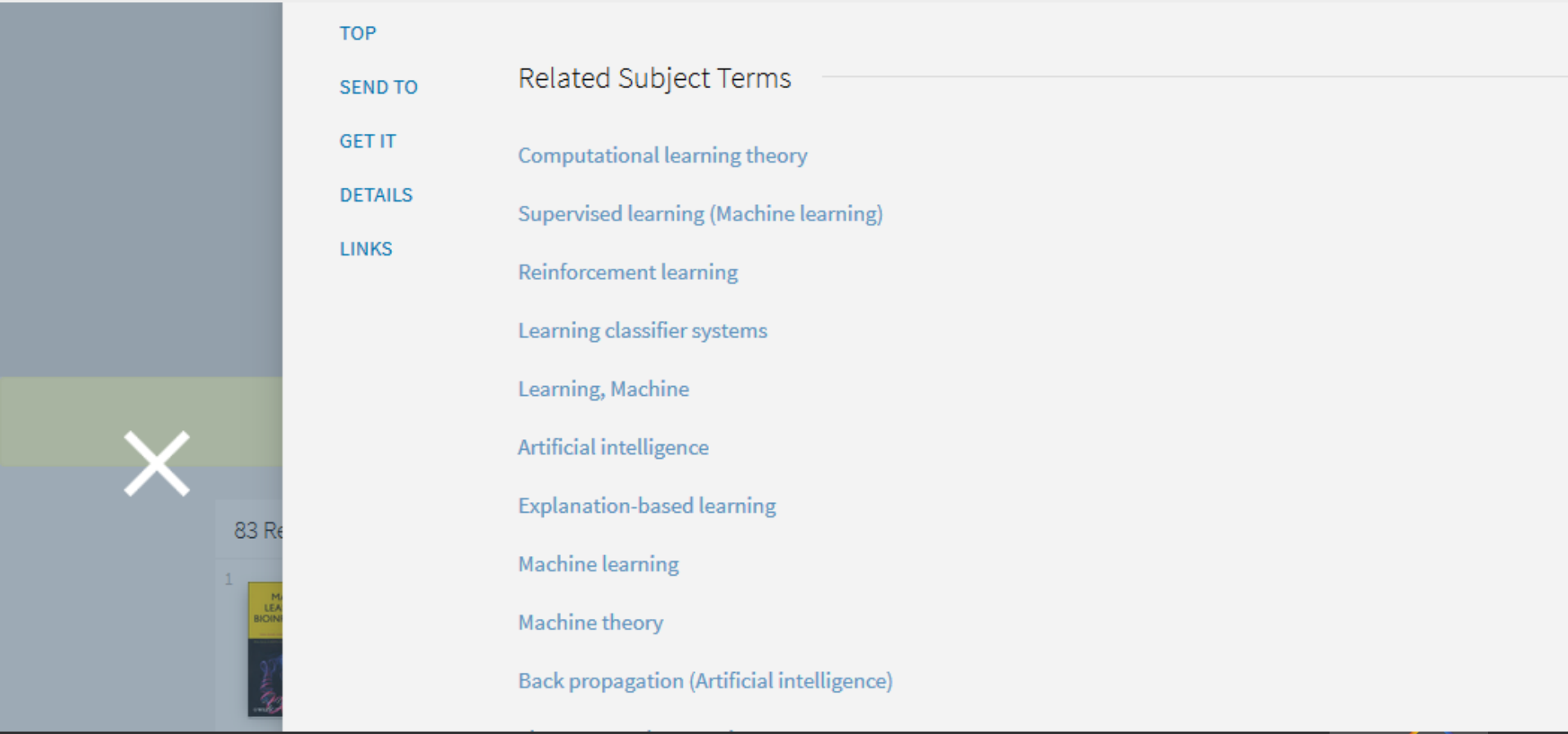
Linked Data Flow: Alma and Primo



Data Flow – End to End

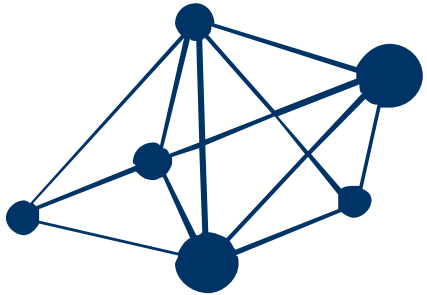


Data Flow – End to End



Roadmap – Expose Library To Web Search

- Expose library records in structured data markup on web pages, such as schema.org



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