

# Discovery Strategy and Product Update

IGeLU 2016

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**The Reading List Momentum**

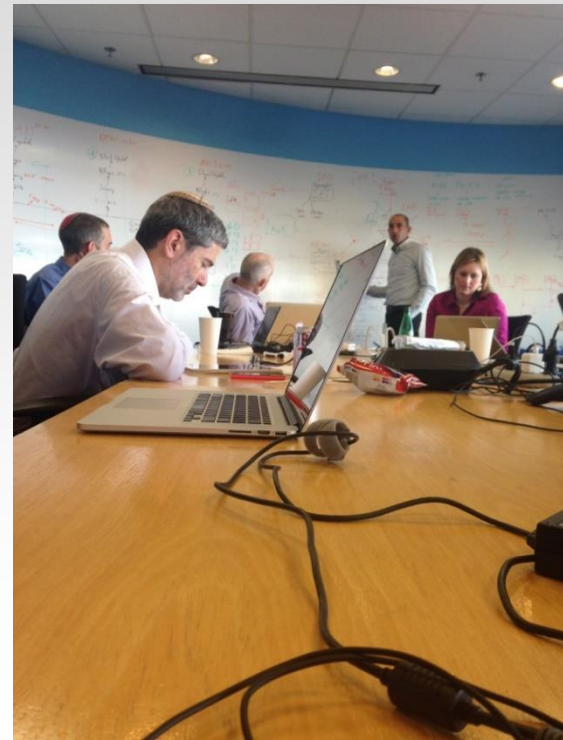
# Once Competitors...



<http://callejeroev.com/category/columnas-y-ensayos/historia-opinion-critica-y-analisis/>



## ...Now Friends



# Since Last IGeLU: Discovery and Delivery At-a-Glance



**A comprehensive product portfolio**



**Increased usage**

>6.5 million searches per day (+40% from 2015)



**Continuous community collaboration**

Developer Days  
Summon working group  
NERS enhancements  
Idea Exchange



**> 1,000 Primo customers in the cloud**



**A growing customer community**

>3,200 discovery institutions



**A wealth of quality resources**

>1.3 billion records  
>90 content types



**Constant product innovation**

Quarterly releases:  
Primo, Summon, 360 Link, SFX

**ExLibris**  
Primo



**Summon**<sup>®</sup>

**360 Link**

**ExLibris**  
SFX

**ExLibris**  
Leganto

# Community Collaboration...



# Since Last IGeLU: New and Enhanced Product Capabilities



- New UI
- Primo Analytics
- Digital collections
- Enhanced personalization
- Exploration: Citation trail



- Altmetric embedded in results
- Integration with RefWorks
- Refreshed results page
- Chat widget builder



- New & enhanced KB management tools
- Improved linking to EBSCO via API
- New infrastructure with new DB system



- Redesign, including Sidebar and new UI
- Integrations with Ulrich's, Syndetics, Altmetrics, IEDL
- New EJP/AtoZ list and citation linker

# Since Last IGeLU: Support, Performance and Product Quality



**Reduction in  
system-down cases**



**Decrease in  
support backlog**



**Performance & scalability  
improvements**



**Quarterly  
releases**

## Continuously enhancing:



**Release  
roll-out**



**Delivery &  
training**



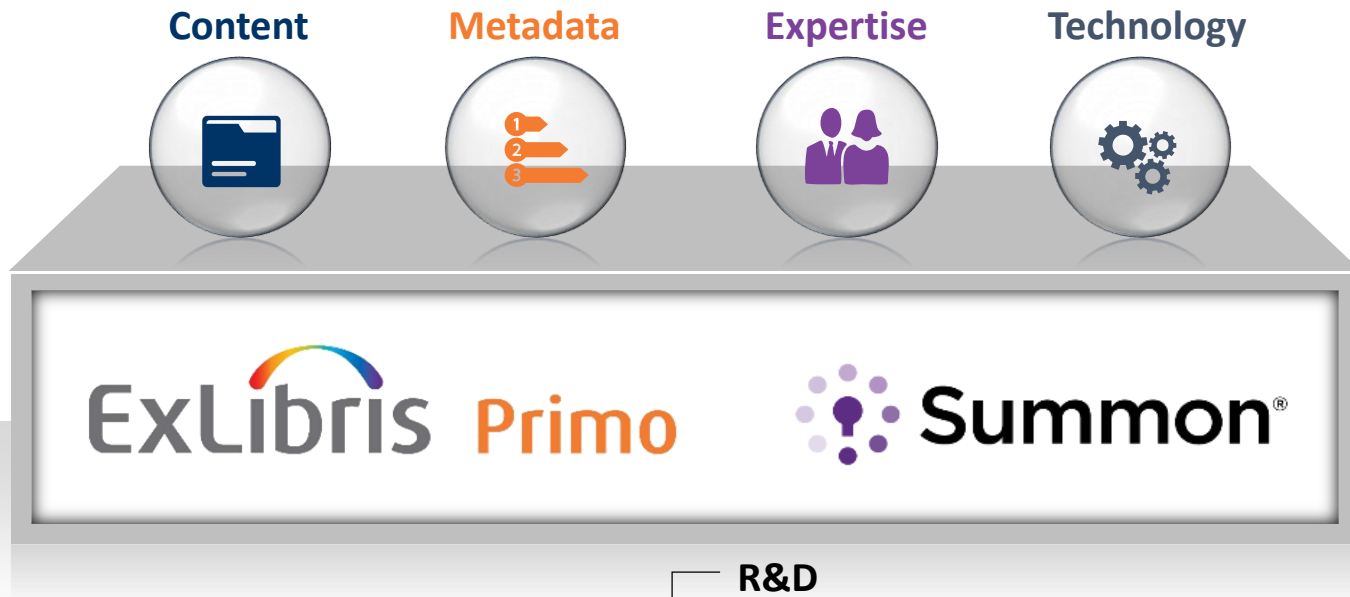
**Ongoing  
indexing**



# Summon and Primo continue to be our flagship discovery products



# Leveraging Synergies



**One organization**

**R&D**

**Support**

**Operations**

**Product management**

# Summon and Primo Strategy Essentials



## Leverage innovative cross-product capabilities

- Shared and enriched content
- Enhanced services—for example:
  - Primo → Summon: Personalization, article recommendations (bX)
  - Summon → Primo: Topic search, database recommender
- Summon integrated with Alma



## Introduce new & enhanced capabilities

- Data-driven services for exploration
- Controlled vocabulary



## Share and optimize common processes

- Status page
- Customer knowledge center
- Developer Network
- Idea exchange



# Discovery Product Strategy & Roadmap

# Discovery Product Strategy



## Broad & Rich Content

- Shared content
- Relevance ranking
- Content enrichment
- Content neutrality



## User Experience

- Exploration & learning
- Patron-integrated services
- Mobility



## Library Empowerment

- Workflow efficiency
- Exposure of collections & expert services
- Analytics-driven optimization
- Customization



## Discovery in Context

- Personalization
- Discovery via multiple entry points
- Extension of discovery to research and teaching & learning



# Moving to a Shared, Comprehensive Content



Shared electronic  
collections



Unified content  
ingestion process



Loading of existing content  
and data enrichment to Primo  
Central / Summon Index

ExLibris  
Primo

Electronic  
collections

local  
collections

local  
collections

local  
collections

local  
collections

Summon

Electronic  
collections

local  
collections

No change to the method of managing local collections in Primo and Summon

>90 Content types

>4,000 Databases

>1.3 B records

# Enhanced Content Coverage

## Shared Content: Leverage Summon and Primo Indexes

- More data sources
- Metadata Librarian team
- Enriched data (e.g. Ulrich's)
- Granular resource types  
(e.g. journal article vs. magazine  
article vs. trade publication article)

## Collection Examples

**Vandenhoeck & Ruprecht:** Journals and ebooks

**Knovel Corporation:** ebooks

**American Medical Association:** Journals

**ACM Digital Library:** Conference proceedings, journals

**Al Manhal FZ:** Journals, books, dissertations

**Key Note:** Market Research reports

**Brill:** ebooks and journals CRC Press

**Australian National Data Service:** Research from Australian research organizations

**Chinese Academy of Social Sciences (CASS):** Chinese Academy of Social Sciences research

**Defense Technical Information Center:** DTIC Technical Reports

# Unbiased Discovery: Proven Content Neutrality



A Guide to Evaluating Content Neutrality  
in Discovery Systems

**ExLibris.**  
a ProQuest Company

<http://www.resources.exlibrisgroup.com/evaluating-content-neutrality-in-discovery-systems>



Separate platforms for content  
and discovery



Merging and grouping of  
records to prevent bias  
towards specific providers



Delivery method according to  
library-defined linking priority

# New Primo User Interface is Live!



The image displays three overlapping screenshots of the Primo user interface, illustrating the search process across different library systems.

**Top Screenshot (CSUSM Library):** The search bar contains the query "global financial crisis". The interface includes navigation links such as "ASK A LIBRARIAN", "DATABASES", "CIRCUIT", "COURSE RESERVES", and "LOOKING FOR A SPECIFIC ARTICLE?". The search results show "653 Results".

**Middle Screenshot (Eagle Search):** The search bar contains the query "sugar rush". The interface includes navigation links such as "NEW SEARCH", "LIBRARY HOME", "EJOURNALS", "DATABASES", "HELP", and "REPORT A PROBLEM". The search results show "365 Results".

**Bottom Screenshot (Catalyst):** The search bar contains the query "water purification technologies". The interface includes navigation links such as "ST. OLAF LIBRARY'S HOME", "JOURNAL TITLES", "CITATION LOOKUP", "TELL US WHAT YOU THINK!", "NEED HELP?", and "Guest". The search results show "6,521 Results".

The bottom screenshot also displays a list of search results for "water purification technologies":

- 1. **BOOK** Low Cost Emergency Water Purification Technologies Integrated Water Security Series. Chittaranjan. Ray Ravi Jain 2014. [Online access](#)
- 2. **BOOK** Membrane Technology and Engineering for Water Purification Application, Systems Design and Operation. Rajindar. Singh 2014. [Online access](#)
- 3. **REVIEW** Low Cost Emergency Water Purification Technologies.(Brief article)(Book review) ProtoView, 2015. [Full text available](#)
- 4. **ARTICLE** / multiple sources exist. see all. Viability of small-scale arsenic-contaminated-water purification technologies for sustainable development in Pakistan. Hashmi, Fatima ; Pearce, Joshua M. Sustainable Development, 2011, Vol.19(4), pp.223-234 [Peer Reviewed Journal]. [Full text available](#)
- 5. **BOOK** Hybrid Membrane Systems for Water Purification Technology, Systems Design and Operations. Rajindar. Singh 2006. [Online access](#)



ExLibris Primo



Summon®

## Data-Driven Services:

Leveraging data from multiple sources to create an enhanced discovery experience, providing users with:



Powerful  
exploration paths



Contextual  
guidance



Automated  
recommendations





## Benefit from Alma next-gen resource management with your existing Summon solution!



Unified management & discovery of resources



End-to-end resource delivery & fulfilment



Integrated and advanced patron services

**Available to customers by end of 2016**



## Simplifying & expediting Primo back office processes by leveraging Alma admin capabilities



### Key enhancements:



Single back office  
management



Elimination of  
duplicated efforts &  
processes



Simplified publishing /  
loading processes



Simplified  
configuration & setup

**Initial work with development partners started**

# Discovery Product Strategy



**Broad & Rich  
Content**



**User  
Experience**



**Library  
Empowerment**



**Discovery in  
Context**

# Discovery Product Strategy



**Broad & Rich  
Content**



**User  
Experience**



**Library  
Empowerment**



**Discovery in  
Context**

# Primo Search and Find – Highlights

## Priority Setting

Search log analysis, customer feedback, Ranking Advisory Group, user studies

## Status

### General

- Methodology change for more flexibility in document boost
- Adjustment in date and resource type boosts, fit to query (e.g. short topic queries)
- Improvements in international searches

### User experience

- Resource type changes for consistency in facets and display
- UI notification when expanding query – for stemming and expansion to full text in case of very few results
- Adjustments to Boolean searches



# Primo Search and Find – Highlights

## Just released

### Mixed result list for ambiguous 1 – 3 word topic searches

- One reference entry on top (if there is at least one)
- Two items that are of a more general nature
- Up to seven specialized articles with a strong boost for more recent dates
- Local results are blended in as before

## Coming Next

- Further improve mixed result list
- Enhance the full text searches and search expansion
- Increase glanceability and linking for Primo Central preferred records in a group
- Review the handling of synonyms

# Summon Relevance – Highlights

## Controlled Vocabulary Boost

Use case analysis and A/B testing for Controlled Vocabulary and Subject Term Boost

## Status

### General

- Tested adjustments for Subject Term and Controlled Vocabulary boosts
- Validated effectiveness of current settings

## Coming Next

- Improved Subject Term highlighting and better faceting in the UI
- Query Expansion improvements for Controlled Vocabulary and Subject Terms
- Citation Query improvements

# Discovery Product Strategy



Broad & Rich  
Content



User  
Experience



Library  
Empowerment



Discovery in  
Context

# Exploration through Data-based Services

## Citation Trail



## Resource Recommender

8,401,511 results sorted by **relevance** ▾ Add results beyond your library's collection

Database Recommendations

**Web of Science** - Web of Science (a.k.a. Web of Knowledge): Provides citations covering over 10,000 high-impact journals in the sciences, social sciences, and arts and humanities, as well as international proceedings coverage for over 120,000 conferences.

**ERIC (ProQuest)** - The ERIC (Education Resources Information Center) database is sponsored by the U.S. Department of Education to provide extensive access to education literature to augment American education by increasing and facilitating the use of educational research and information to improve practice in learning, teaching, educational decision-making, and research.

1. The Quarterly journal of experimental **psychology**. A, Human experimental **psychology**  
by **Experimental Psychology Society**  
The Quarterly journal of experimental psychology. A, Human experimental psychology. 1981  
Permalink  
Journal: JRN1STACKS\_BE180\_Q8\_DOHENY (+1 more)
2. The Quarterly journal of experimental **psychology**. B, Comparative and physiological **psychology**


## Topic Exploration

psychology  
From Encyclopædia Britannica

psychology scientific discipline that studies psychological and biological processes and behaviour in humans and other animals. The discipline of psychology is broadly divisible into two parts: a large profession of practitioners and a smaller but growing science of mind, brain, and social behaviour. The two have distinctive goals, training, and practices, but some psychologists integrate the two. For more information on psychology , visit Britannica.com. ;

[Read more](#)

Suggested Librarian

 Emily Bergman  
[Send Email](#)

Related Topics

**Personality psychology**  
Raymond Cattell  
Carl Rogers










Recommended Research Guides

**Subject Guides. Psychology. Resources**  
by Lynn Kyrsh

**Psychology**  
by Emily Bergman











### Psychology and Human Friendship

724 Results

1.  **ARTICLE / multiple sources exist. see all**  
**The Alliance Hypothesis for Human Friendship (Alliance Hypothesis)**  
DeScioli, Peter ; Kurzban, Robert ; Pinker, Steven (Editor)  
[Full text available](#)  [Full text available](#) 
2.  **ARTICLE**  
**Friendship and natural selection**  
Christakis, Nicholas ; Fowler, James  
[Full text available](#)  [Full text available](#) 
3.  **ARTICLE**  
**The Evolutionary Origins of Friendship**  
Seyfarth, Robert ; Cheney, Dorothy  
[Full text available](#)  [Full text available](#) 

## Article Recommender (bx)

**bx** Users interested in this article also expressed an interest in the following:

1. Ridings, Catherine M **Virtual community attraction: Why people hang out online** Journal of computer-mediated communication 10.1 (2004) No Pagination Specified  
2. Barrett, H. Clark **Can Manipulations of Cognitive Load Be Used to Test Evolutionary Hypotheses?** Journal of personality and social psychology 91.3 (2006) 513-518  
3. COUZIN, JENNIFER **Friendship as a Health Factor** Science 323.5913 (2009) 454-457  
4. Wood, Stephen **The four pillars of HRM, are they connected?** Human resource management journal 5.5 (1995) 49 - 59  
5. Tarrant, Mark **Friendship group identification, multidimensional self-concept and experience of developmental tasks in adolescence** Journal of Adolescence 29.4 (2006) 627-640  

# Citation Trail – New Exploration Paths



Article

- ☆ **Honeybee foragers increase the use of waggle dance information when private information becomes unrewarding**  
Grüter, Christoph ; Ratnieks, Francis L.W.  
Animal Behaviour, 2011, Vol.81(5), pp.949-954 [Peer Reviewed Journal]  
spatial information encoded in the waggle dance... dance duration (in waggle runs), the experimental day... waggle dance of honeybees (Apis) , by  
● **Full text available**

[View Online](#) [Details](#)

[View all versions](#)

[Citations](#)

[Cited by](#)

Items cited by: **Honeybee foragers increase the use of waggle dance information when private information becomes unrewarding**  
Grüter, Christoph ; Ratnieks, Francis L.W.

ⓘ This result list contains items that are cited by this article. Note that this is not necessarily a complete list of citations.

Results 1 - 10 of 33 for All resources

1 2 3 4 ➔

Sorted by: [Relevance](#) ▼



Article

- ☆ **The use of waggle dance information by honey bees throughout their foraging careers**  
Biesmeijer, Jacobus ; Seeley, Thomas  
Behavioral Ecology and Sociobiology, 2005, Vol.59(1), pp.133-142 [Peer Reviewed Journal]  
flight paths of honeybees recruited by the waggle dance... by following a waggle dance. Such dance following... of waggle dance information by honey  
● **Full text available**

[View Online](#) [Details](#)

[Citations](#)

[Cited by](#)



Article

- ☆ **The flight paths of honeybees recruited by the waggle dance**  
J. R. Riley ; U. Greggers ; A. D. Smith ; D. R. Reynolds ; R. Menzel  
Nature, 2005, Vol.435(7039), p.205 [Peer Reviewed Journal]  
● **Full text available**

[View Online](#) [Details](#)

[Citations](#)

[Cited by](#)



Article

- ☆ **The honeybee waggle dance: can we follow the steps?**  
Grüter, Christoph ; Farina, Walter M.  
Trends in Ecology & Evolution, 2009, Vol.24(5), pp.242-247 [Peer Reviewed Journal]  
does not reduce the waggle dance to a mechanism to... information encoded in the waggle dance can be deciphered...  
● **Full text available**

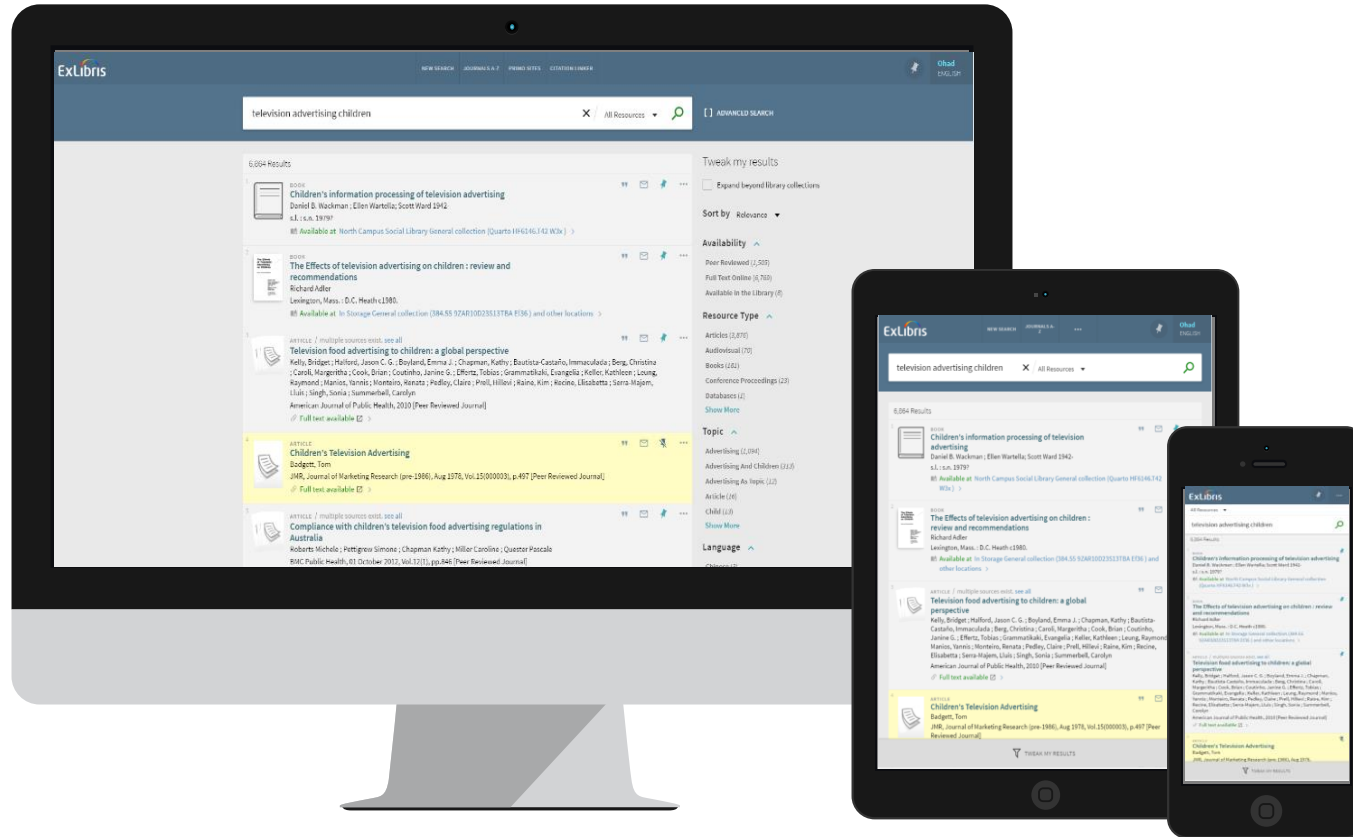
[View Online](#) [Details](#)

[Cited by](#)

- ☆ **Do honey bees average directions in the waggle dance to determine a flight direction?**



# New Primo User Interface



# New Primo User Interface

The screenshot displays the ExLibris Primo User Interface. At the top, the ExLibris logo is on the left, and navigation links for 'NEW SEARCH', 'JOURNALS A-Z', 'PRIMO SITES', and 'CITATION LINKER' are in the center. On the right, a user profile for 'Ohad' in 'ENGLISH' is shown. The main search area features a 'Search for:' section with radio buttons for 'All Resources' (selected), 'Books', and 'Articles'. Below this is a search bar with 'Any field' selected, containing the text 'television advertising'. A 'Language' dropdown is set to 'Any language'. To the right of the search bar is a 'SIMPLE SEARCH' button. Below the search bar, a green box contains the search criteria: 'Any field contains television advertising AND Any field contains hyper active' and 'OR Any field contains ADHD television'. A green 'SEARCH' button is to the right. An orange callout box with the text '“Easy way to do citations –already there and you don’t have to go searching for it, does it all for you”' points to the search criteria. Below the search bar, the results section shows '216 Results'. The first result is an article titled 'There is no meaningful relationship between television exposure and symptoms of attention-deficit/hyperactivity disorder' by Stevens, Tara ; Mulsow, Miriam, published in Pediatrics, March 2006, Vol.117(3), pp.665-72 [Peer Reviewed Journal]. It includes a 'Full text available' link. The second result is an article by Froiland, John Mark ; Davison, Mark L., published in Routledge Educational Psychology, 25 September 2014, p.1-17 [Peer Reviewed Journal], also with a 'Full text available' link. A 'Resource Type' sidebar on the right lists 'Articles (114)', 'Audiovisual (10)', 'Books (9)', and 'Dissertations (6)'.

ExLibris

NEW SEARCH JOURNALS A-Z PRIMO SITES CITATION LINKER

Ohad  
ENGLISH

Search for: ☒ All Resources ☐ Books ☐ Articles

Any field contains television advertising Language Any language

I SIMPLE SEARCH

→ Any field contains television advertising AND Any field contains hyper active  
→ OR Any field contains ADHD television

SEARCH

216 Results

1 ARTICLE / multiple sources exist. [see all](#)

**There is no meaningful relationship between television exposure and symptoms of attention-deficit/hyperactivity disorder**  
Stevens, Tara ; Mulsow, Miriam  
Pediatrics, March 2006, Vol.117(3), pp.665-72 [Peer Reviewed Journal]  
[Full text available](#)

Froiland, John Mark ; Davison, Mark L.  
Routledge  
Educational Psychology, 25 September 2014, p.1-17 [Peer Reviewed Journal]  
[Full text available](#)

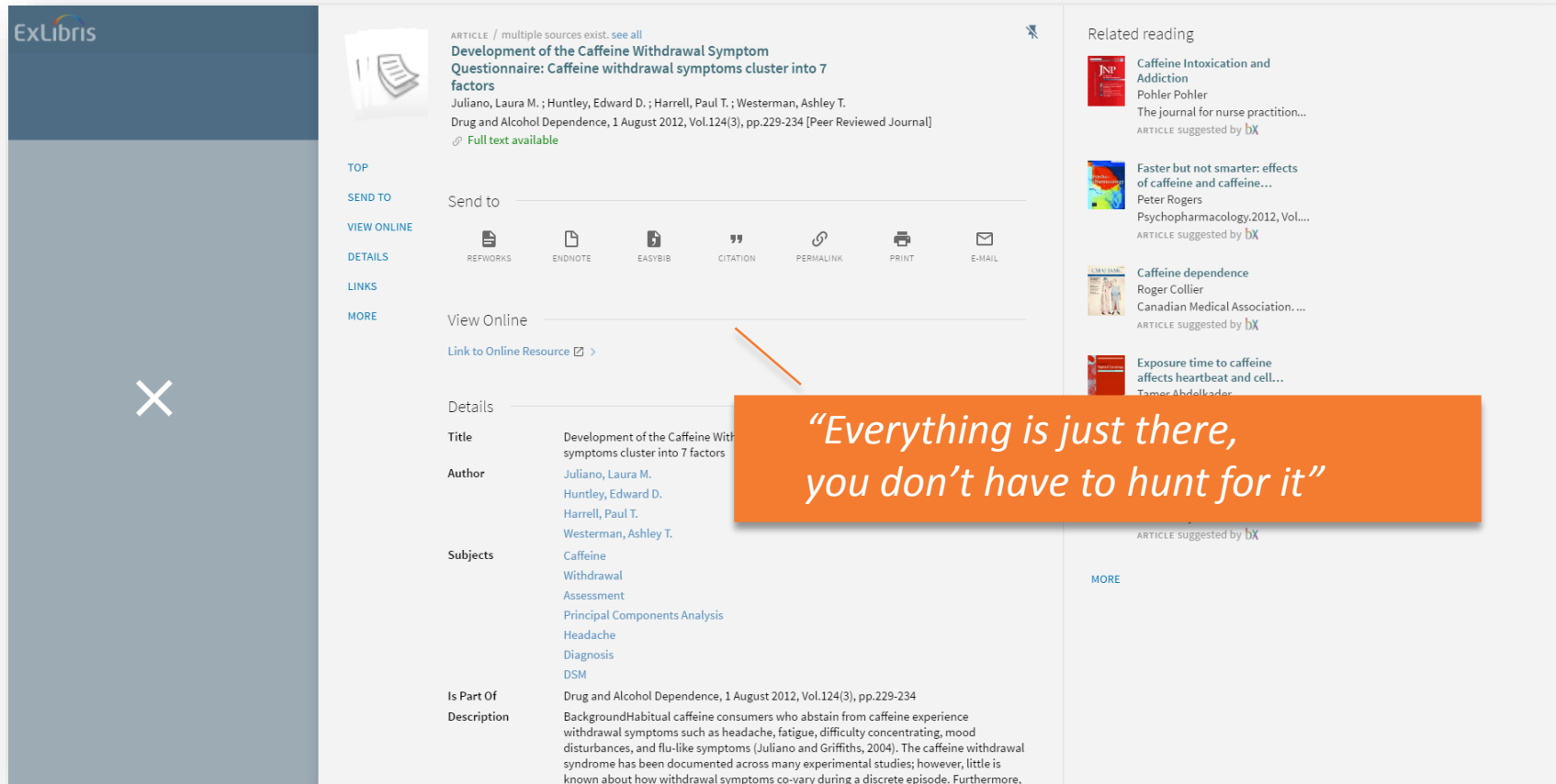
3 ARTICLE / multiple sources exist. [see all](#)

Childhood Television Viewing and ADHD-related Behavior: Evidence from

Resource Type

Articles (114)  
Audiovisual (10)  
Books (9)  
Dissertations (6)

# New Primo User Interface



**ExLibris**

ARTICLE / [multiple sources exist. see all](#)

**Development of the Caffeine Withdrawal Symptom Questionnaire: Caffeine withdrawal symptoms cluster into 7 factors**

Juliano, Laura M. ; Huntley, Edward D. ; Harrell, Paul T. ; Westerman, Ashley T.

Drug and Alcohol Dependence, 1 August 2012, Vol.124(3), pp.229-234 [Peer Reviewed Journal]

[Full text available](#)

**Send to**

REFWORKS ENDNOTE EASYBIB CITATION PERMALINK PRINT E-MAIL

**View Online**

☒ Link to Online Resource >

**Details**

**Title** Development of the Caffeine Withdrawal symptoms cluster into 7 factors

**Author** Juliano, Laura M.  
Huntley, Edward D.  
Harrell, Paul T.  
Westerman, Ashley T.

**Subjects** Caffeine  
Withdrawal  
Assessment  
Principal Components Analysis  
Headache  
Diagnosis  
DSM

**Is Part Of** Drug and Alcohol Dependence, 1 August 2012, Vol.124(3), pp.229-234

**Description** Background: Habitual caffeine consumers who abstain from caffeine experience withdrawal symptoms such as headache, fatigue, difficulty concentrating, mood disturbances, and flu-like symptoms (Juliano and Griffiths, 2004). The caffeine withdrawal syndrome has been documented across many experimental studies; however, little is known about how withdrawal symptoms co-vary during a discrete episode. Furthermore,

**Related reading**

**Caffeine Intoxication and Addiction**  
Pohler Pohler  
The journal for nurse practition...  
ARTICLE suggested by bX

**Faster but not smarter: effects of caffeine and caffeine...**  
Peter Rogers  
Psychopharmacology.2012, Vol....  
ARTICLE suggested by bX

**Caffeine dependence**  
Roger Collier  
Canadian Medical Association ...  
ARTICLE suggested by bX

**Exposure time to caffeine affects heartbeat and cell...**  
Tamer Abdelkader  
ARTICLE suggested by bX

**MORE**

*"Everything is just there,  
you don't have to hunt for it"*

# New Primo User Interface – Customization

The screenshot displays the Catalyst Primo search interface. At the top, the Catalyst logo is on the left, and navigation links for 'ST. OLAF LIBRARIES HOME', 'JOURNAL TITLES', 'CITATION LOOKUP', 'TELL US WHAT YOU THINK!', and 'NEED HELP?' are on the right. A search bar contains 'sugar rush' with a dropdown menu set to 'Everything'. To the right of the search bar is an 'ADVANCED SEARCH' link. Below the search bar, a yellow banner prompts users to 'Sign in to get complete results and to request items' with a 'Sign in' link and a 'DISMISS' button.

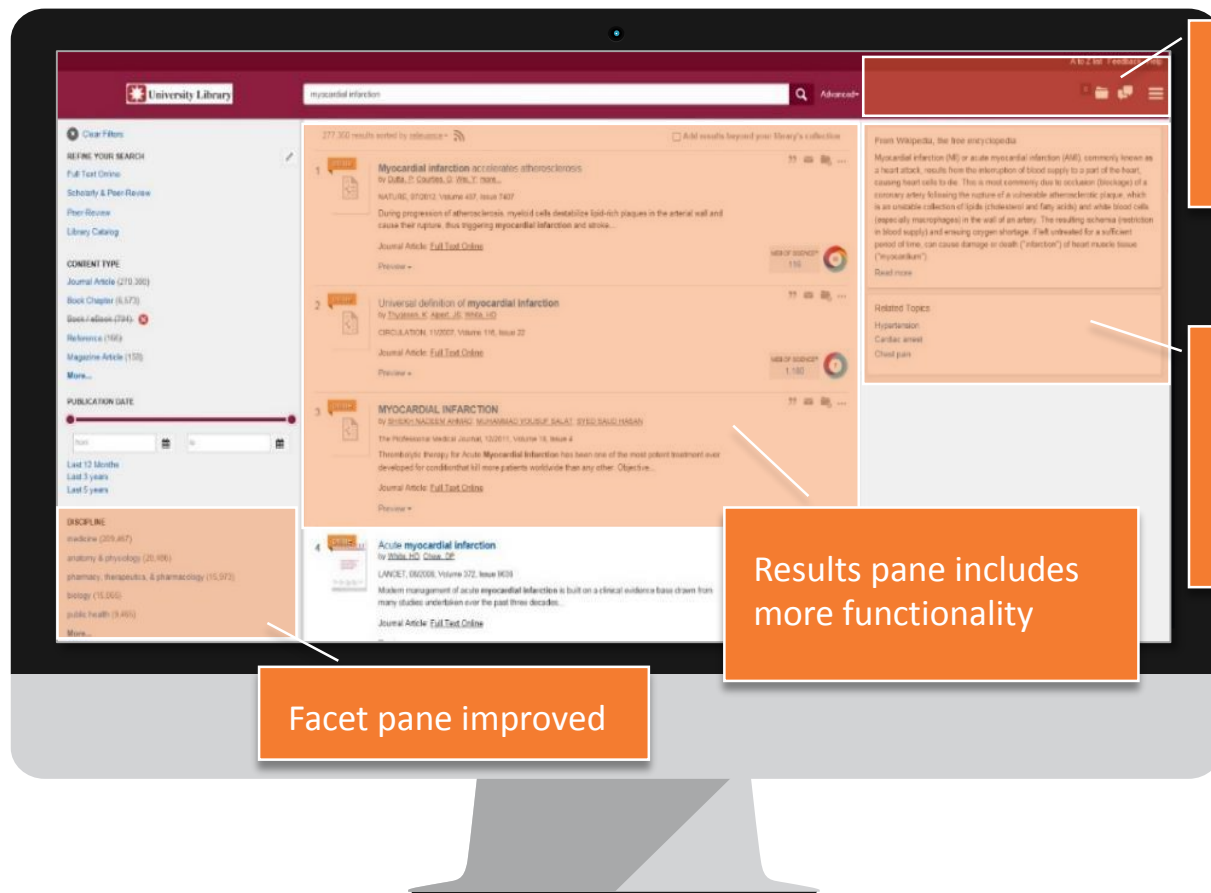
On the left side, the 'Refine My Results' section includes options to 'Include articles at other libraries' (unchecked), 'Sort by Relevance', and 'Show Only' (expanded to show 'Scholarly Articles (19)', 'Physical Resources (13)', and 'Online Resources (352)'). Below this, 'Material Type' is expanded to show 'dissertations (243)'. A 'Show More' link is at the bottom of the left sidebar.

The main search results area shows three items. Item 1 is an 'ONLINE VIDEO' titled 'Food factory : supersized. Sugar rush' by Matthew Ainsworth, produced by the British Broadcasting Corporation in 2012. It includes an 'Online access' link and a toolbar with icons for Endnote Web, Citation, Permalink, Print, E-mail, Text/SMS, and Export RIS. Item 2 is a film titled 'Films Media Group, film distributor; FremantleMedia, production company.' with an 'Online access' link. Item 3 is an 'ONLINE AUDIO' titled 'She'S My Sugar Rush'.

A large blue banner is overlaid on the bottom half of the screen, containing the URL: <https://github.com/ExLibrisGroup/primo-explore-devenv>. At the bottom right, there is a 'Leave a message' button.

# Summon Roadmap: Revised Results and Home Page

- Improve usability and responsive behavior through enhanced & refreshed design
- Meet customer's requests



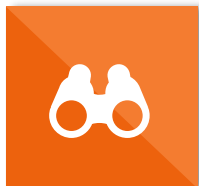
New menu bar, icons, dropdown menu

Topic explorer pane features separated elements

Results pane includes more functionality

Facet pane improved

# Linked Data in Discovery



Enhance patron discovery, connecting between the new Primo UI and external LD sources



Expose end users to related information based on URIs stored with the metadata



**ExLibris**  
a ProQuest Company

Putting Linked Data at the Service of Libraries  
The Ex Libris Vision and Roadmap

<http://www.resources.exlibrisgroup.com/linked-data-service-libraries/>

# Enhanced Patron Services – Example



BOOK

Network defense and countermeasures : principles and practices

Chuck. Easttom 2006

Available at Main Library Main (TK5105.59 )

[TOP](#)

[SEND TO](#)

[GET IT](#)

## Details

Title	Network defense and countermeasures : principles and practices
Author	Chuck. Easttom
Subjects	Computer networks -- Security measures
Publisher	Upper Saddle River, N.J. : Pearson Prentice Hall
Creation Date	2006
Format	xxiv, 424 p. : ill. ; 24 cm.
Language	English

## Related Subject Terms

[Computer network security](#)

[Computer security](#)

[Security of computer networks](#)

[Byzantine agreement protocols \(Computer network protocols\)](#)

[Network security, Computer](#)

[Security measures](#)

[Key agreement protocols \(Computer network protocols\)](#)

[Firewalls \(Computer security\)](#)

[SET \(Computer network protocol\)](#)

[RADIUS \(Computer network protocol\)](#)

[Intrusion detection systems \(Computer security\)](#)

Retrieve data from Library of Congress to display related subject terms

# Discovery Product Strategy



Broad & Rich  
Content



User  
Experience



Library  
Empowerment



Discovery in  
Context



# Released in 2016: Digital Collection Navigation

The screenshot displays a digital collection navigation interface. At the top, there is a header with 'All Records' and 'Course Reserves' tabs, a search bar, and a dropdown menu for 'Alma University'. Below the header, the breadcrumb trail reads 'Collections > Art Collection > Picasso Collection - books and reproductions'. The main content area features a large text block about Pablo Ruiz y Picasso, a portrait of him, and two smaller sections: 'Picasso pictures' and 'Books about Picasso'. A modal window is open, displaying details for the '347 Series Etchings' by Pablo Picasso (1881-1973), published in 1968. The modal includes a 'View It' button, a 'Details' button, and a 'Get It' button. The details section contains the title, collection, author, subjects, description, publisher, creation date, and language.

**All Records** Course Reserves

Alma University Search Advanced Search

Collections > Art Collection > Picasso Collection - books and reproductions

Pablo Ruiz y Picasso, also known as Pablo Picasso - 25 October 1881 – 8 April 1973) was a Spanish painter, sculptor, printmaker, ceramicist, stage designer, poet and playwright. As one of the greatest and most influential artists of the 20th century, he is known for co-founding the Cubist movement, the invention of constructed sculpture, the co-invention of collage, and for the wide variety of styles that he helped develop and explore. Among his most famous works are the proto-Cubist *Les Femmes d'Alger* (O.J. No. 1) (1911), *Les Femmes d'Alger* (O.J. No. 2) (1912), *Guernica* (1937), a portrayal of the Bombing of Guernica by the German and Italian airforces at the behest of the Spanish nationalist government during the Spanish Civil War.

**Picasso pictures**  
Reproductions of famous pictu...  
[View collection](#)

**Books about Picasso**  
A collection of books, m...  
[View collection](#)

**347 Series Etchings.**  
Pablo Picasso 1881-1973. 1968  
● **Online access**  
[View It](#) [Details](#) [Get It](#)

**Title:** 347 Series Etchings.  
**Collection:** Art Collection > Picasso Collection - books and reproductions > Picasso pictures >  
**Author:** Pablo Picasso 1881-1973.  
**Subjects:** Painting, Spanish

**Description:** The 347 Series was, in printmaking, the undertaking which defined late Picasso. This prodigious outpouring of work, dating from March 16th/October 5th, 1968, deals with all of his old themes and fantasies, adding an obsession newly central in the late 60s, the artist as voyeur. It is in this role, rather than that of a protagonist, that the artist figures in these fantastic narrations. In order to be able to work with full freedom and concentration, Picasso had his printers, the brothers Crommelynck, bring the etching plates and hand press to his farmhouse near Cannes. We have included here a small selection of works from this series, as much for their technical variety as for their subject interest.

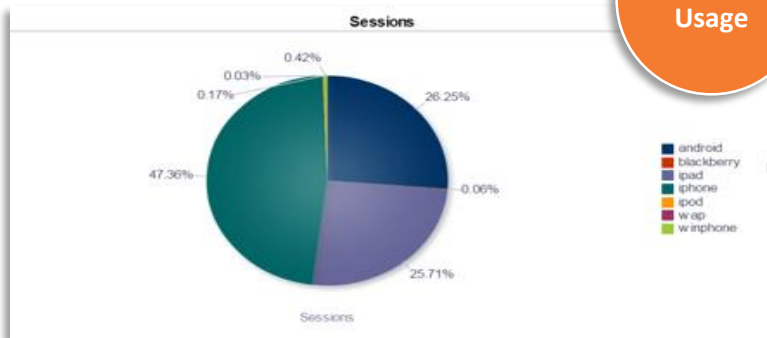
**Publisher:** Barcelona :  
**Creation Date:** 1968  
**Language:** English

# Primo Analytics for Continuous Optimization

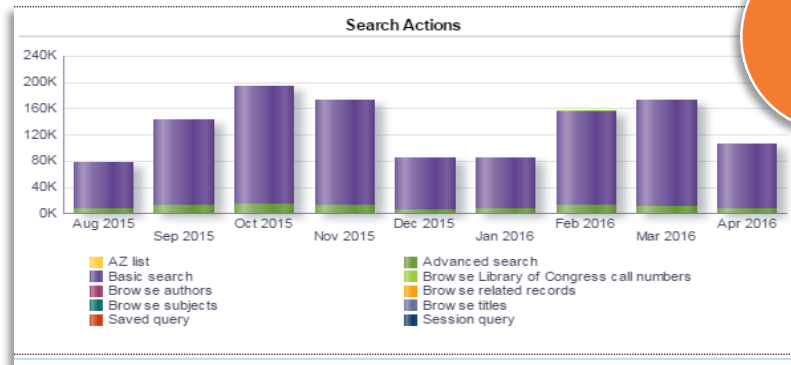
## Make data-driven decisions:

- User interface options and layout
- Collections development
- Results boosting
- Facet types, order and sorting

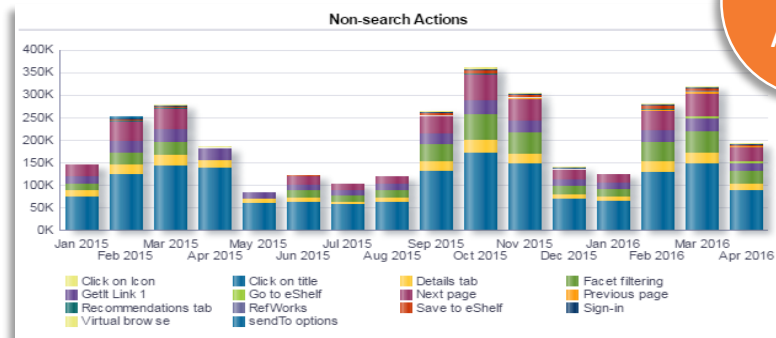
Device Usage



Search Actions



Result Page Actions



## Extend Primo analytics capabilities:

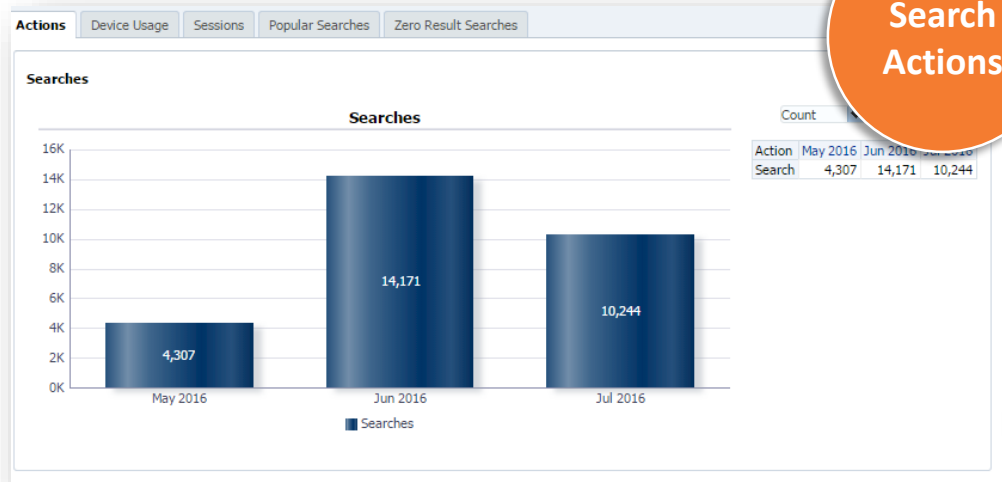
- Alma & Primo combined reports
- New subject area –journal usage
- Additional data elements: Referrer, user group
- Consortia support



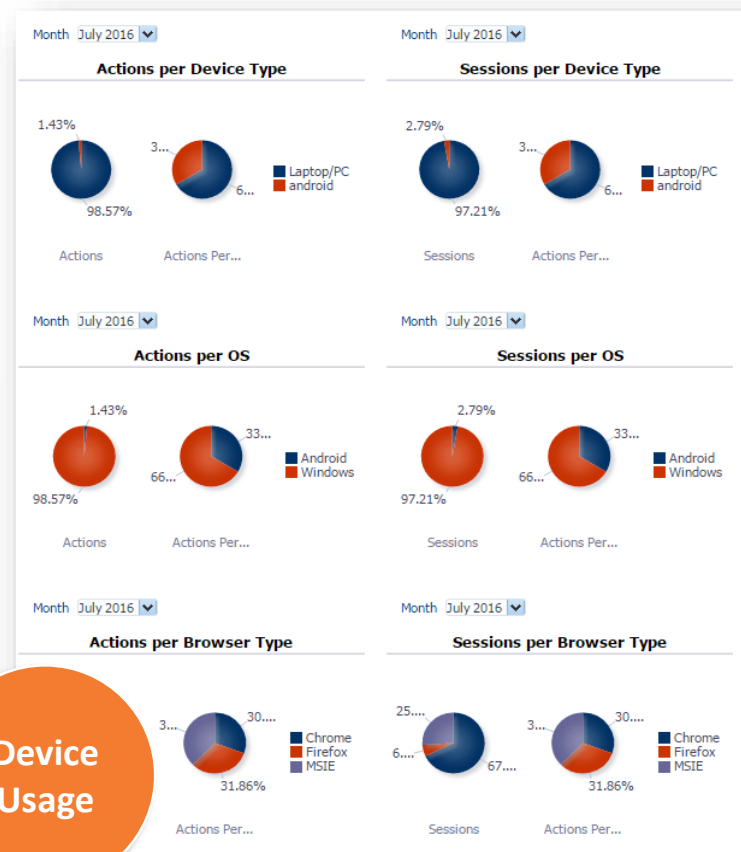
**PRIMO**  
**ANALYTICS**

# Roadmap: Summon Analytic – OBI Implementation

- Replace Urchin reporting with OBI
  - Leverage learnings of Primo and Alma
  - Create foundation for expanding beyond current reporting
- Initial release planned for Dec. 2016 with additional reporting in 2017



Search  
Actions



Device  
Usage

## REST APIs for Search & eShelf

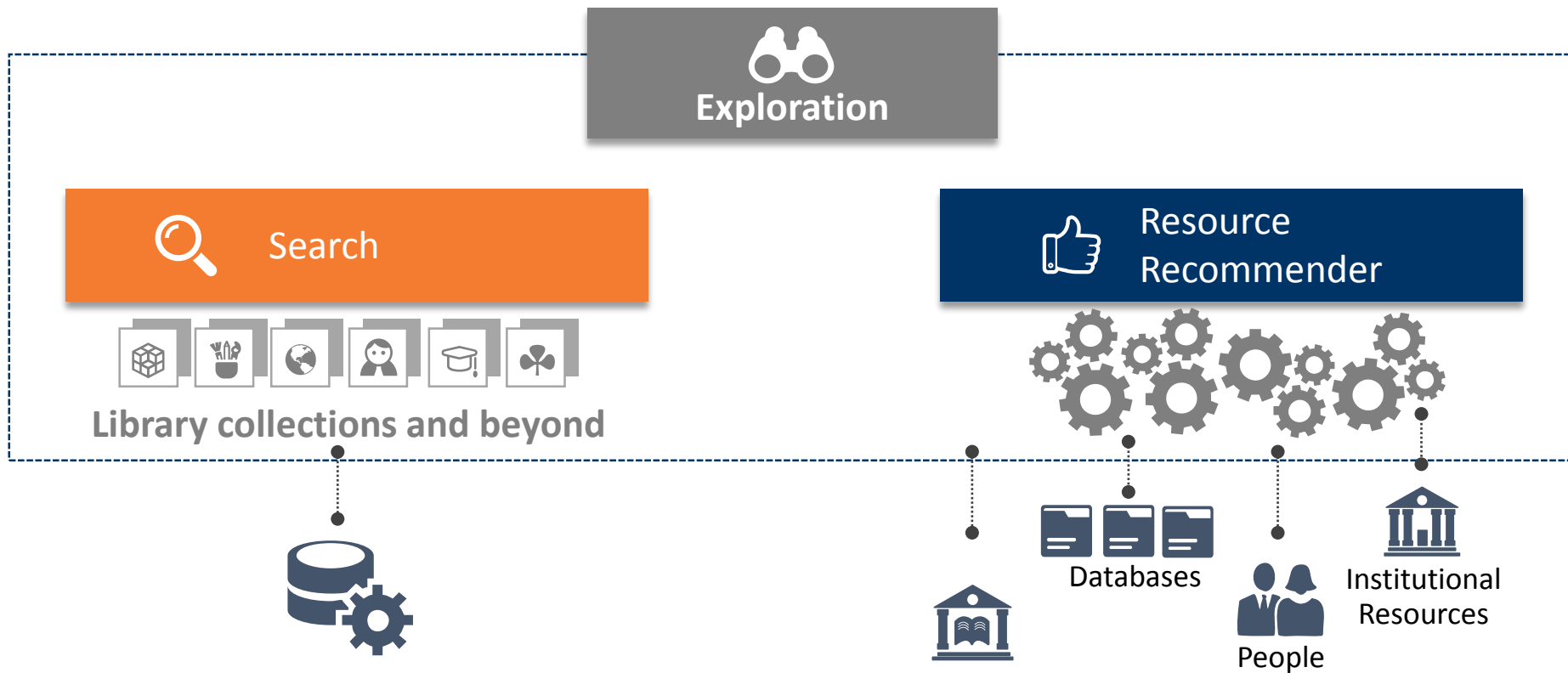
- Customers can easily develop extensions and services for Primo
- APIs are in RESTful standard for fast and slim response
- Response in JSON format and list of URI as part of the search results
- Addition of faceting by Content Provider and by Collections to the Summon API

## Coming Next:

- Additional services with REST – expose APIs used by new UI
- Linked data
- Improved documentation and support for the Summon API



# Roadmap: Resource Recommender – Discovery as a Gateway



# Discovery Product Strategy



Broad & Rich  
Content



User  
Experience



Library  
Empowerment



Discovery in  
Context

# Last Year – Summon Discovery in Context

- Altmetrics Integration

related actions of probiotics and antibiotics on gut microbiota and weight modification

902 results sorted by **relevance**

**REFINE YOUR SEARCH**

Any

Full Text Online

Scholarly & Peer-Review

Items in the Library

Add results beyond the library's collection

**CONTENT TYPE**

Any

Journal Article (511)

Book / eBook (382)

Book Review (43)

Book Chapter (19)

Newspaper Article (6)

More...

**DISCIPLINE**

Any

medicine (317)

biology (239)

history & archaeology (187)

diet & clinical nutrition (159)

... (668)

**1. Related actions of probiotics and antibiotics on gut microbiota and weight modification**

by Angelakis, Emmanouil; Merhej, Vicky; Raoult, Didier

The Lancet. Infectious diseases, 10/2013, Volume 13, Issue 10

Permalink

Antibiotics and probiotics both modify the gut microbiota. The effect of a probiotic species... digestive flora depends on the strain and is largely dependent on the host's genetic background.

Journal Article: [Full Text Online](#) **Altmetric: 43**

**2. New Infectious Disease Research Data at University of the Mediterranean (Related actions of probiotics and antibiotics on gut microbiota and weight modification...)**

Health & Medicine Week, 10/2014

Permalink

... a quote from the research from the University of the Mediterranean, "Antibiotics and probiotics both modify the gut microbiota. The effect of a probiotic species..."

Journal Article: [Full Text Online](#)

**News results for "related actions of probiotics and antibiotics on gut microbiota and weight modification"**

**Health and Medicine: New Infectious Disease Research Data Have Been Reported by Researchers at University of the Mediterranean (Related actions of probiotics and antibiotics on gut microbiota and weight modification...)**

Health & Medicine Week, 10 Oct 2014, 2011

Permalink

**Source:** PubMed  
ProQuest Central (purchase pre-March 2016)

**Publication Title:** The Lancet. Infectious diseases

**Publisher:** Elsevier B.V

**Volume:** 13

**Issue:** 10

**Pages:** 889 - 899

**Date:** 10/2013

**ISSN:** 1473-3099

**EISSN:** 1474-4457

**DOI:** 10.1016/S1473-3099(13)70179-8

**Genre:** Journal Article, Review

**Subjects:** Body Weight - drug effects, Probiotics - pharmacology, Anti-Bacterial Agents - pharmacology, Intestines - microbiology, Bacteria - drug effects, Antibiotics

**Language:** English

**Altmetrics:**

**43**

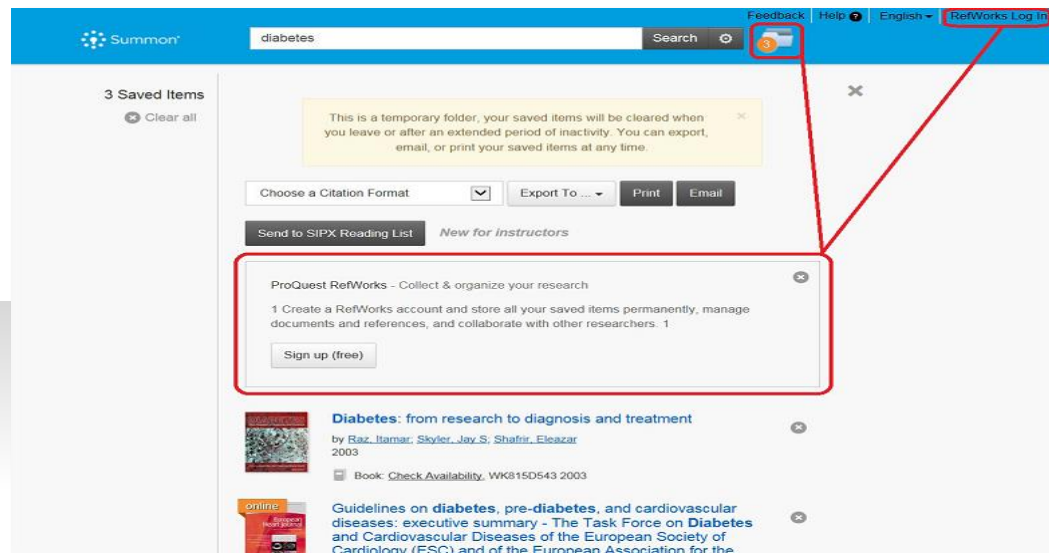
Picked up by 2 news outlets  
Blogged by 2  
Tweeted by 9  
On 1 Facebook pages  
Referenced in 1 Wikipedia pages  
116 readers on Mendeley

See more details



# Last Year – Summon Discovery in Context

- Saved Items Folder Improvements
  - Move from Flow to New RefWorks
  - Improvements to the following styles:
    - Harvard
    - APA
    - MLA
    - AGLC3
    - Oxford





## Integration with teaching and learning tools

### Primo – Leganto integration

- Instructors can:
  - Search in Primo via the Leganto interface
  - Export Primo eShelf content to Leganto



## Integration with researches tools

### • Primo – RefWorks integration

- Search in Primo via the RefWorks interface
- Use RefWorks as central eShelf

# And there is much more to come.....



Enhanced User  
Experience



Enhanced Primo  
Central Content



Library  
Empowerment



Discovery  
in Context



User Interface



Linked Data



RESTful  
APIs



New  
Exploration  
Options



Enhanced  
Mobility



Resource  
Recommender



Analytics  
and  
Reports



Ex Libris  
Integrated  
Offering



# Leganto Reading List Solution

&lt; BACK

Reading Lists

in this

My Collection

in this

Notifications

1 new message



Bridging the gap between instructors, librarians, and students, and helping institutions boost student engagement, foster meaningful learning, and maximize the use of library collections

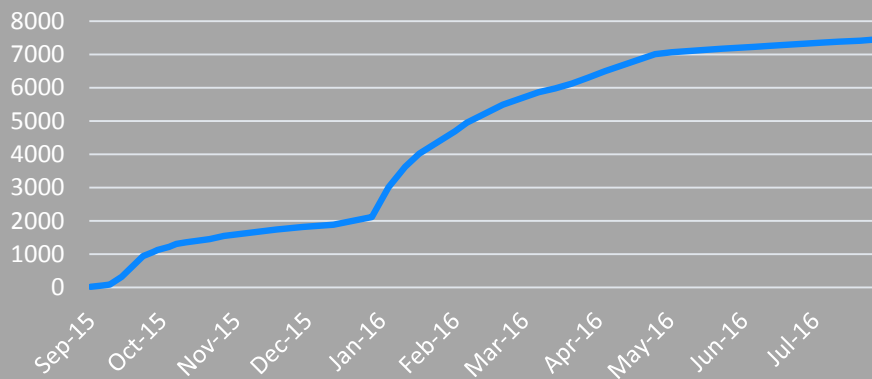
# 22 Customers in 9 Countries



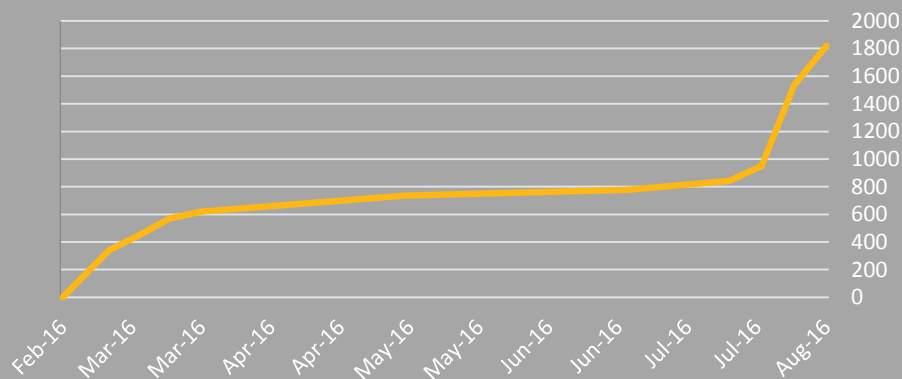
# Leganto in Action: Extensive Usage by Instructors and Students

Unique users growth at Kingston University (Sept. 2015 – Jul. 2016)

Kingston University  
London



Unique users growth at UNSW (Feb. – Aug. 2016)



- Implementation started with a pilot group
- Usage increases over time, as more instructors come on board

# Roadmap Highlights



**Analytics and reports for the library and the instructor**



**Cross-system copyright clearance workflows**



**Automated triggering of Alma workflows**



**Support of reference managers as sources for materials**



**Notifications for students**



**campusM mobile app**



**Additional types of recommendations**



# Join Us to Learn More!

## ❖ **Summon Product Update**

Brent Cook, Monday 14:30

## ❖ **Primo: A New User Experience**

Christine Stohn, Miri Botzer, Monday 15:00

## ❖ **Linked Data Collaboration Group**

Josh Weisman, Asaf Kline, Yuval Kiselstein, Monday 16:30

## ❖ **SFX Product Update**

Christine Stohn, Tuesday 15:00, Cosmos3CD

## ❖ **Leganto Product Update**

Gal Darom, Tuesday 15:00, Cosmos1A

## ❖ **360 Product Update**

Eddie Neuwirth, Tuesday 15:00, Space2

## ❖ **The ProQuest and Ex Libris Unified Content Approach and How It Will Benefit your Users**

Christine Stohn, Eddie Neuwirth, Tuesday 17:30, Cosmos3CD

## ❖ **Leganto: Extending the Role of the Library to Teaching and Learning**

Tamar Sadeh, Tuesday 18:00, LivingRoom4

THANK YOU