# Opening Library Data @ The University of Alberta Libraries

Alberta Association of Academic Libraries

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# Why we Care About Library Open Data

SHARING IS CARING

BUT I DON'T CARE,

SO I DON'T SHARE

Build

Experience

Excel

Engage

Sustain

# The Big Picture: Our Vision and Values

**Our Vision**

Inspiring exploration, connection, and discovery

**Our Mission**

We collaborate at the University of Alberta to advance teaching, learning and research. We provide access to the past and present through collections, services, spaces and expertise. Our work empowers learners, scholars and researchers with local and global impact. Together we shape the future.

**Our Principles**

* Accountable    * Open    * Responsive

*Sustainable    *Transparent

**Our Values**

*Collaboration    *Inclusivity    *Innovation

*Intellectual Freedom    *Service

# Open Data @ University of Alberta Libraries

## Dataverse

Platform for others to share primarily research data

## Open Data Portal

Sharing our own library data.

## Sharing UAL Open Data

### Environmental Scan

Understanding the context of library open data

### Identification & Release

Identification, organization and open release of UAL data (including considerations of privacy, format, etc).

# Open Data and Code at The University of Alberta Libraries

- APIs for Scholarly Resources at the University of Alberta
- Open Source code at the University of Alberta Libraries
- Ualberta Z39.50 Information
- Bibliographic Data using the Blacklight JSON API
- University of Alberta Library Data Sets (Dataverse)

- CARL, AAAL, Ithaka, ARL and LibQual
- Metadata Records
- Website Analytics
- Desk Tracker Data
- Subscription Expenditures

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**Subscription Expenditures 2014-2016**
by University of Alberta Libraries
Description: The data shows expenditure information for products that the University of Alberta Libraries subscribe to that have ongoing yearly costs for the fiscal years of 2014, 2015 and 2016.
doi:10.7939/DVN/10844
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Last Released: Aug 22, 2016

**2015 Canadian Association of Research Libraries (CARL) Statistics**
by University of Alberta Libraries
Description: Data Submitted to the Canadian Association of Research Libraries which reflects the 2015 collections, services and staff of the University of Alberta Libraries.
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📄 13 downloads
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**2014-2015 AAAL University of Alberta Report**
by University of Alberta Libraries
Description: Statistics reported during the 2014/2015 period by the University of Alberta Libraries to the Alberta Association of Academic Libraries. Contains information about library collections and services.
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by University of Alberta Libraries
Description: This set contains survey data from the Ithaka survey that was launched on December 22, 2014, and was closed to new responses on January 31, 2015. The data contains a total of 551 complete responses. The questionnaire addressed: how faculty...Continue [+]
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**2015 ARL Statistics - University of Alberta Libraries**
by University of Alberta Libraries
Description: Aggregated data submitted by the University of Alberta Libraries to the Association of Research Libraries (ARL) for the 2015 year. Contains information about collections and services.
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**September 2013 - May 2016 - Desk Tracker Data**
by University of Alberta Libraries
Description: Data and data dictionary for Desk Tracker data from the time period September 2013 to May 2016 provided by the University of Alberta Libraries.
doi:10.7939/DVN/10809
📄 16 downloads
Last Released: Jun 2, 2016

**Alberta Government Publications - Metadata Records**
by University of Alberta Libraries
Description: This set contains 121 records for select Government of Alberta publications digitized in partnership between the University of Alberta Libraries and the Alberta Legislative Library. Format: MARC
doi:10.7939/DVN/10779
📄 3 downloads
Last Released: Apr 12, 2016

**University of Alberta Libraries LibQual - 2012 Survey Reports**
by University of Alberta Libraries
Description: This set contains two reports for the University of Alberta Libraries LibQual survey. This survey is used to understand, and act upon users' opinions of service quality in the library.
doi:10.7939/DVN/10728
📄 5 downloads
Last Released: Apr 4, 2016

**University of Alberta Libraries - Website Analytics**
by University of Alberta Libraries
Description: Data collected about the use of the University of Alberta Libraries website produced by Google Analytics for the January 1, 2015 to January 1, 2016 time period.
doi:10.7939/DVN/10682
📄 8 downloads
Last Released: Apr 4, 2016

**Wageningen E-books - Metadata Records**
by University of Alberta Libraries
Description: This set contains 259 records for select e-book titles from Wageningen Academic Publishers. Format: MARC
doi:10.7939/DVN/10711
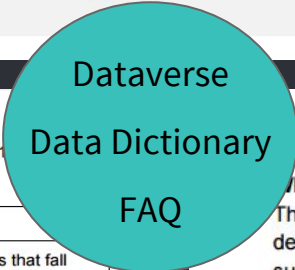📄 1 download
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☐ **Data Dictionary**                                                                                                  ▾

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☐ **Data File**                                                                                                          ▾

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☐ **FAQ**                                                                                                                  ▾

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**Dataverse**

**Data Dictionary**

**FAQ**

**University of Alberta Subscription Expenditures Data Dictionary**

This data represents active subscriptions of the University of Alberta Libraries for the 201? 2015 and 2016 fiscal years (April - March). The data is represented at the order level.

| Field Name | Description | Data Type | Notes |
|---|---|---|---|
| Title | The title of the item subscribed to | String | Field does not include individual subscriptions that fall under this title. |
| Publ Type | The format of the resource | String | **ANALYZED SERIAL:** Print serial catalogued as a monograph, same call # used for each volume so items sit together in the shelves<br>**CD-ROM:** Compact Disc<br>**DATABASE**<br>**DATABASE FEE:** Annual fee for continued access to content<br>**DB ARCHIVE FEE:** Annual fee for continued access to archive purchase<br>**DVD**<br>**EBOOK:** Electronic book or Electronic book package purchase<br>**EBOOK FEE:** Annual fee for continued access to content<br>**EJ ARCHIVE:** Electronic journal archive purchase<br>**EJ ARCHIVE FEE:** Annual fee for continued access to archive purchase<br>**EJOURNAL:** Electronic journal<br>**EMEMBERSHIP:** All titles included in the membership are electronic<br>**MEMBERSHIP:** Membership where titles included are print or a combination of print+online<br>**MICROFICHE**<br>**MICROFILM**<br>**MONO SERIES:** Print monograph series.<br>**MONO UPDATE:** Integrating resource order.<br>**NEWSPAPER:** Print newspaper<br>**PERIODICAL:** Print periodical<br>**PRINT+EJOURNAL:** Order includes both print and online journal. **SERIAL:** Print serial<br>**SET:** print set |
| CAD Paid 2014 | Cost for each resource associated with the | Numeric | The annual expenditure in Canadian dollars associated with the title. At times credits can occur, resulting in a negative figure. Not all years will have payment. |

**University of Alberta Libraries - Subscription Expenditures Open Data - FAQ**

**Why is the University of Alberta Libraries committed to sharing library open data?**
The University of Alberta Libraries supports the freedom of inquiry of our patrons and is devoted to providing our community with access to information. We recognize that to actively support and contribute to our community, citizens must be able to access, share, and reuse data that we produce. We are committed to providing the transparency that allows for continued creativity and innovation within our community.

Sharing the Libraries' data openly is in keeping with the University of Alberta's Institutional Strategic Plan, objective 21.i, which is to *Encourage transparency and improve communication across the university through clear consultation and decision-making processes, substantive and timely communication of information, and access to shared, reliable institutional data.*

**What is represented in this data?**
The data shows expenditure information for products that the University of Alberta Libraries subscribe to that have ongoing yearly costs. The expenditure amount is displayed in Canadian dollars (actual cost) and covers the fiscal year period (April 1 - March 31). The expenditure amount is at the level for which we obtained the product - for example, this could be a large collection of journals at the collection level, or a single journal, depending upon how it was acquired.

**Is this a list of all current subscriptions to journals and databases?**
No - the list is not meant to comprehensively represent all the journals and databases to which faculty, students, and staff at the University of Alberta have access. It only shows products according to how we have paid for them. For example, the listing for "Wiley Blackwell Online Journals" covers all the journals we receive from the publisher Wiley.

**Why do some products not have any expenditure information?**
Products without expenditure information are still active subscriptions but for some reason did not require payment in that given fiscal year. This could have been due to no new

APIs are a tool to access and reuse library-related data.

# APIs for Scholarly Resources at University of Alberta

An API (application programming interface) provides access to data and information from a database. APIs allow programmers, researchers and developers access to extract data from a system or database to apply to their own research and systems.

Below is a list of scholarly resources from the University of Alberta Libraries that make their APIs available for use.

University of Alberta Libraries: Scholarly API List : Sheet1

| Scholarly APIs for University of Alberta Library Resources | | | | | | |
|---|---|---|---|---|---|---|
| Name | What it Does | How it is Accessed | Result Format | Registration | Limitations | Support |
| AccuWeatherAPI | AccuWeather API retrieves location based weather data. LegacyAPI retrives similar weather data but it is more complex. | RESTFUL web interface which uses HTTP requests | AccuWeather APIs results are in JSON, while the LegacyAPI results are XML | Requires an API key by contacting sales@accuweather.com | No known limitations | |
| Book Meta Data Service API | Pulls bibliographic information from the publisher Books in Print. | RESTful interface using HTTP requests | XML, HTML | Must authenticate to view all data. More information here | All data is not public | |
| Cambridge Journals Online | Obtain citation and abstract data from the Cabridge Journals Online collection. | RESTful interface using HTTP requests | Responses partly in Dublin Core | Contact journalsapi@cambridge.org to access | Data used must be attributed to accredited source journal | |
| Ex Libris SFX API | Provides access to the metadata and produced by SFX | RESTful interface using HTTP requests | Varies | No registration or key required. | No known limitations | |
| The Canadiana API | Queries Canadiana Database including bibliographic and full-text records. | RESTful interface using HTTP requests | JSON | No registration or key required | No known limitations | |
| CiNii Articles API | Retrieves bibliographic information from CiNii Articles. | RESTful interface using HTTP requests | You can choose the response format with query from RSS, Atom, JSON-LD and HTML | Need to register and obtain an ID: https://api.ci.nii.ac.jp/en/ | Requesting too much data at once may cause you to be blocked. | ciniiadm@nii.ac.jp |
| IEEE Xplore Search Gateway | reely available to customers and other 3rd parties to programmatically query and extract IEEE Xplore metadata. | RESTful interface using HTTP requests | XML | No restrictions on use | Maximum of 200 results may be retrieved in a single query. A query term can only contain a maximum of 10 words. | onlinesupport@ieee.c |
| Ingram API | Intended use to integrate ingram services into developers website. API searches for images and allows for download. | RESTful interface using HTTP requests | XML | To use the API you need an API key and API password. Contact Ingram to recieve an API key. To recieve a link to download images, must call the API to recieve a token. | No limitations noted | tech@ingrampublishi |
| Jstor Data for Research | Not a true API but provides tools for searching word frequencies, citations, key terms, topic modeling, visualization tools and downloadable datasets. | Uses Boolean logic to query | CSV | No registration or key required. | Data limit of 1,000 articles but JSTOR can be contacted for larger requests. | http://about.jstor.org/r |

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## University of Alberta Libraries Statement of Principle on Non-disclosure Clauses in Licenses

September 9, 2014

To promote openness and fairness among libraries that license scholarly resources, the University of Alberta Libraries (UAL) will no longer enter into vendor contracts that require non-disclosure of pricing information or other information that does not constitute a trade secret. All new and renewed licenses submitted with non-disclosure or confidentiality clauses will not be signed but henceforth will be referred to the Office of the Vice-Provost (Learning Services) and Chief Librarian, for final decision.

### Background and Rationale

Many electronic resources provided to the University community via libraries require a license that governs the terms of use of the product. Some publishers will request that the UAL treat the subscription price as confidential information and not disclose it to third parties. In the past, some libraries have tolerated these clauses in the belief that they might result in a lower cost. This, however, is a position that UAL can no longer accept.

A recent study by Bergstrom et al. (2014), illustrates that information related to the cost of large bundled journal packages is rarely publicly available, due to non-disclosure clauses that prevent libraries from revealing pricing and other terms. This has resulted in wide price discrepancies that point simply to successful bargaining, as opposed to concrete factors such as student enrollment numbers. As Darnton (2010) has noted, by "keeping the terms secret, ... one library cannot negotiate for cheaper rates by citing an advantage obtained by another library." The International Coalition of Library Consortia (2004) states that "Non-disclosure language should not be required for any licensing agreement, particularly language that would preclude library consortia from sharing pricing and other significant terms and conditions with other consortia." The more freely that libraries are able to communicate with one another about vendor offers, the better they are able to weigh the costs and benefits of any individual offer. An open market will result in better licensing terms.

# Snap shot of subscription Expenditures Data

## University of Alberta Libraries Dataverse

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SUBSCRIPTION EXPENDITURES 2014-2016
doi:10.7939/DVN/10844
Version: 1 – Released: Mon Aug 22 14:06:00 MDT 2016

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| Cataloging Information | **DATA & ANALYSIS** | Comments (3) | Versions |
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☐ **Data Dictionary**                                                                                                    ⌄

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Total Downloads: **961**

**Gillian Byrne**
@gillmbyrne

⚙ 👤 Follow

Proud of @uofalibraries. Such an important move towards transparency.

**Ryan Regier**
@ryregier

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U of A Library spending on Big Deals:
dataverse.library.ualberta.ca/dvn/dv/UAL/fac

. . .

| Title | Publ Type | CAD Paid 2016 |
|---|---|---|
| ScienceDirect | DATABASE | $2,393,657.13 |
| Wiley Blackwell Online Journals | DATABASE | $1,213,167.43 |
| SpringerLINK | DATABASE | $781,567.36 |
| Taylor & Francis Online Journals | DATABASE | $768,201.30 |
| Sage Journals Online/Collections | DATABASE | $269,172.09 |

**Helene Williams**
@bibliorogue

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Great to see this transparency, and helpful in teaching #MLIS students about coll dev, budgeting, politics

**Ernesto Priego**
@ernestopriego

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@uofalibraries thank you very much indeed for sharing this data.

RETWEET
1

**Thomas Guignard**
@timtomch

⚙ 👤 Follow

Oh hey @uofalibraries just released subscription costs on their own open data portal. This makes SO MUCH SENSE.

**Thanks for listening**

# ANY QUESTIONS?

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brailey@ualberta.ca 🐦 @MichelleBrailey