



Open Access Collection Analysis

Summit University

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Executive Summary

There are about 40 million¹ open access (OA) articles and books available today, and OA accounts for nearly half of all newly released scholarly articles². This trend is expected to accelerate with large grant funding bodies, including the European Commission, requiring researchers to publish OA; both commercial and society publishers are implementing new business models to support this change. While libraries have worked diligently to promote OA publishing, most have yet to take full advantage of this OA output.

In response to a Library Journal survey conducted in the fall of 2020³, 68% of academic librarians reported that they could not estimate OA overlap with the library's current subscriptions, and only 11% expressed confidence that their library's OA coverage is comprehensive. This is unsurprising as the data on OA is not easy to access.

This report, using data harvested from Crossref.org and Unpaywall.org, is designed to give the library insight into how it can take advantage of OA content to expand discovery and access, improve user experience and in many cases save money on content subscriptions.

The analysis for **Summit University** finds **71%** of recently published scholarly articles included in the university's current collections are freely available. It also identifies more than **8M OA articles** from **52K journals** that can be added to discovery.

¹ <https://www.lens.org/>

² <https://peerj.com/articles/4375/>

³ <http://www.libraryjournal.com/?detailStory=Library-Journal-Survey-Academic-Library-Open-Access-Use-Up-During-Pandemic-covid-19>

Overlap Analysis

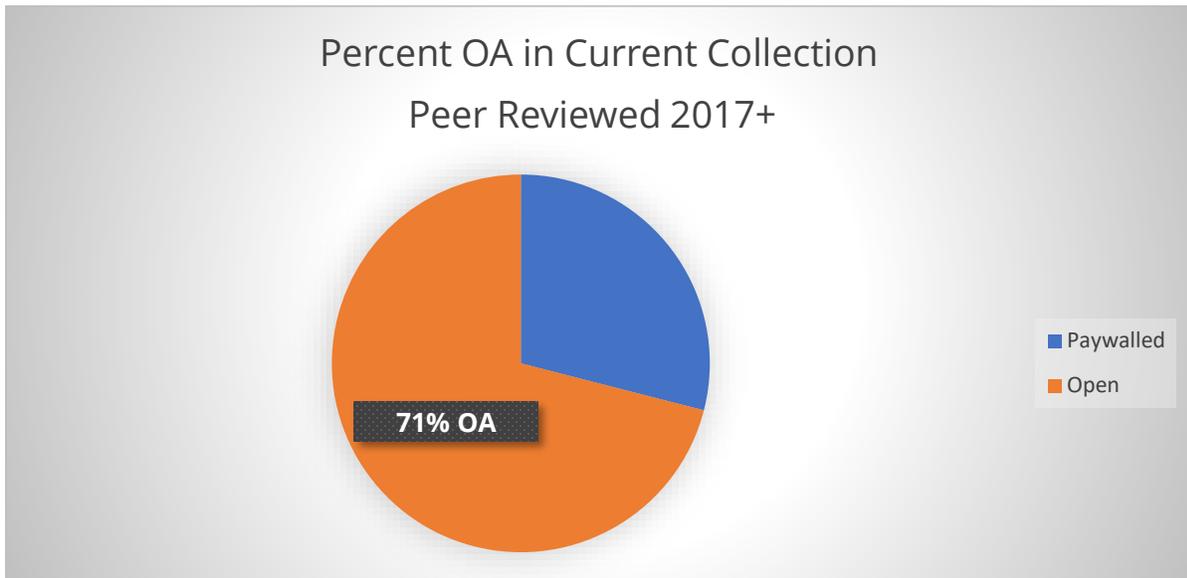


Figure 1: Percentage of open access articles published 2017 and later in library's currently-licensed eJournals

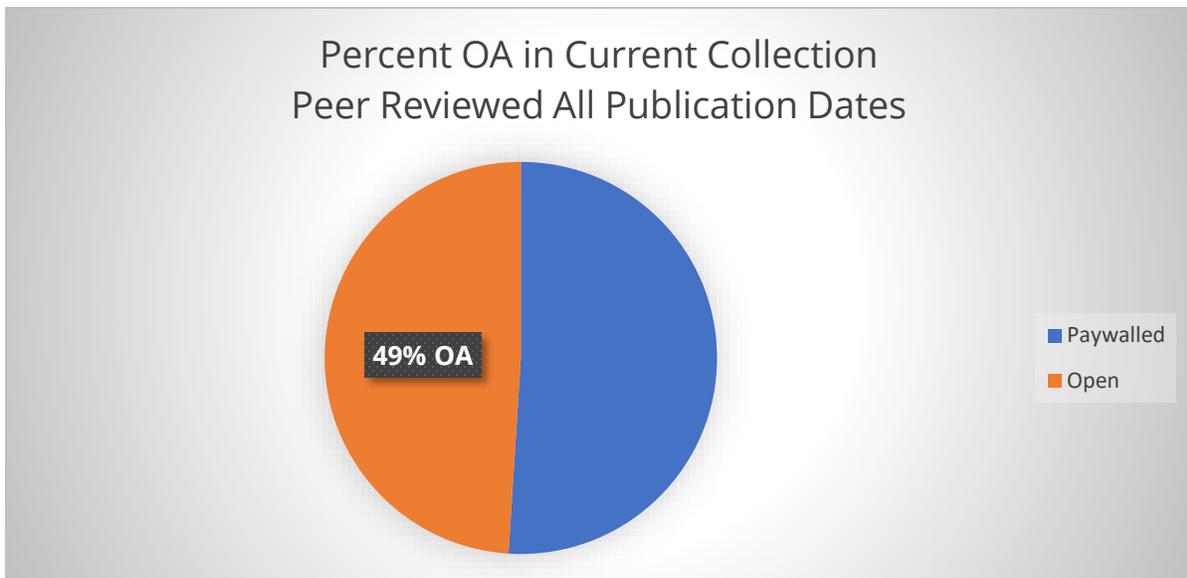
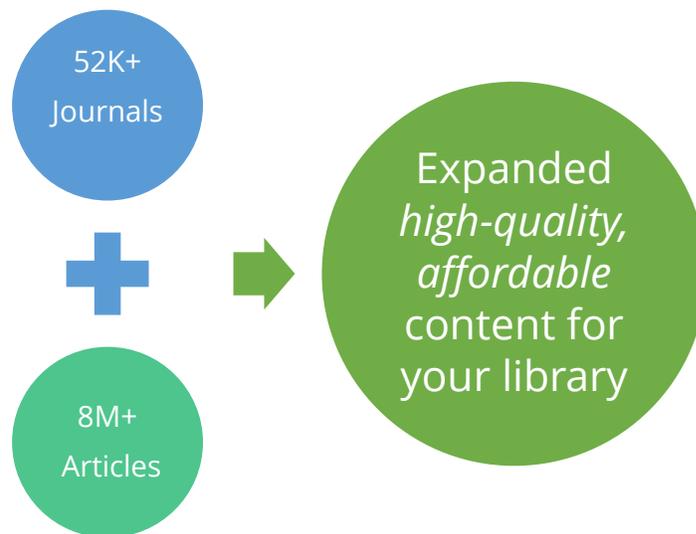


Figure 2: Percentage of open access articles published at any time in library's currently-licensed eJournals

Expanded Coverage



Impact by Discipline from Top Journals

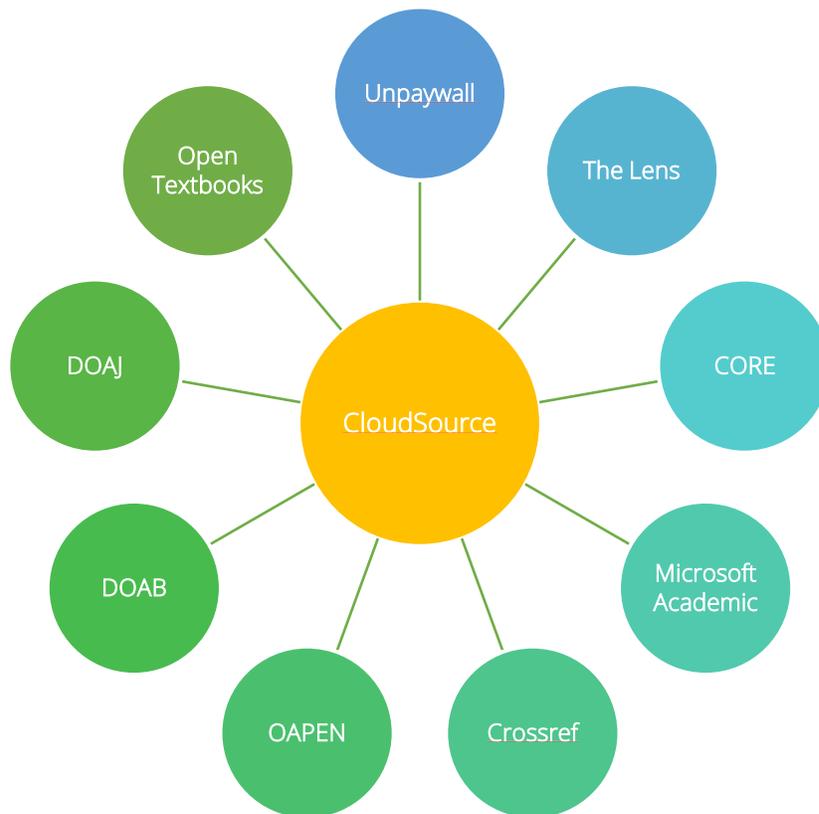
Subject	Articles
Health Sciences	1,328,913
Physics	528,510
Engineering	444,863
Chemistry Physics	323,623
Earth & Planetary Science	258,226
Biology	216,586
Mathematics	207,262
Computer Science	153,675
Sociology & Political Science	110,104
Psychology	71,752
Business	54,896
Arts & Humanities	50,801
Veterinary Science	48,137
Economics	46,463
History	15,568

Methodology

Summit University provided SirsiDynix with a holdings report containing journal titles and associated ISSNs. Of **213,282 unique journal titles** provided, SirsiDynix was able to find matches within its database for **98,628** of these rows based on ISSN following the removal of duplicate or empty values. Typically, ISSNs that cannot be matched are for trade journals and popular magazines that do not report to Crossref.org⁴. SirsiDynix evaluated the matching journals to determine the percentage of articles available with an OA license. The resulting data is attached in Excel format.

Note that the overlap analysis was done using the full CloudSource OA (CSOA) collection (about 40M articles). The current pilot collection includes almost 8M published, English language articles only, but during the pilot, sites will be offered tools to perform their own curation from the full CSOA collection.

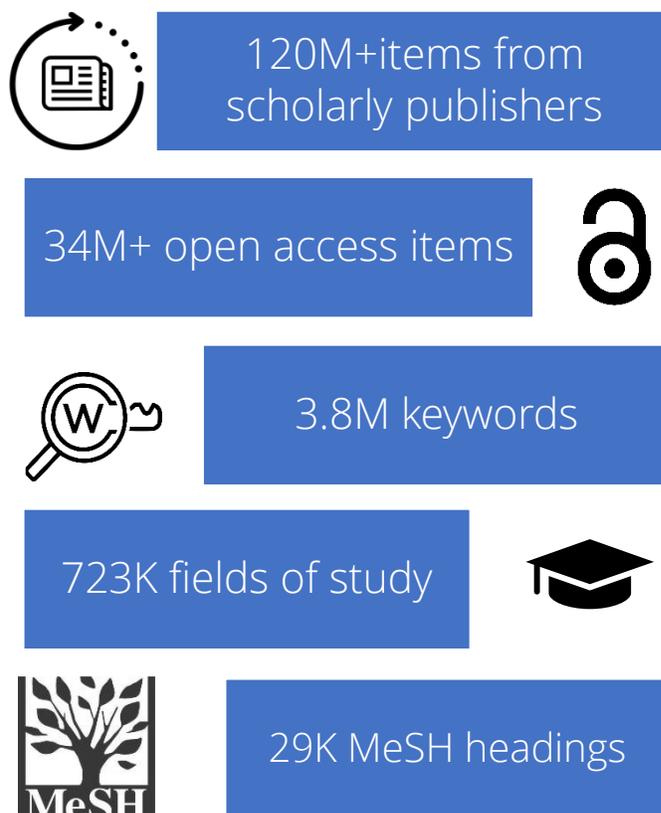
CloudSource OA content



⁴ <https://www.crossref.org/>

CloudSource OA is developing a comprehensive repository of metadata for scholarly articles, eBooks and eTextbooks. The product is unique in that it aggregates the best available data on each item from a variety of sources, including Unpaywall.org⁵, Lens.org⁶, CORE (Jisc's OA repository)⁷, Microsoft Academic Graph⁸, Crossref⁹, OAPEN¹⁰, DOAB¹¹, The Open Textbook Library¹², OpenStax¹³, and OER Commons¹⁴. New records are added on a daily basis, and the metadata is enhanced to provide a robust discovery experience. The index will continue to evolve with the addition of new formats and data sources to encompass not only books and articles but also theses and dissertations, curriculum, government documents, images, audio and video.

Today, the CloudSource Index contains:



⁵ <http://unpaywall.org/>

⁶ <https://www.lens.org/>

⁷ <https://www.jisc.ac.uk/core>

⁸ <https://www.microsoft.com/en-us/research/project/microsoft-academic-graph/>

⁹ <https://www.crossref.org/>

¹⁰ <https://www.oapen.org/>

¹¹ <https://www.doabooks.org/>

¹² <https://open.umn.edu/opentextbooks>

¹³ <https://openstax.org/>

¹⁴ <https://www.oercommons.org/>

CloudSource OA components



OA Content



Expansive
Coverage



Course Lists



Enterprise
Discovery



Flexible CSS



Usage
Statistics

Support for OER

“The high cost of course materials is one factor in keeping more than 2.4 million low- and moderate-income, college-qualified high school graduates from completing college.” (Advisory Committee on Student Financial Assistance)¹⁵

As higher education institutions strive to help students and their families contain the costs of earning a degree, libraries play an increasingly important role in providing learning materials that are free to students. The CloudSource OA package includes BLUEcloud Course Lists¹⁶, a full suite of tools to facilitate library and faculty collaboration on affordable learning initiatives. LTI integration with Learning Management Systems makes it easy for the library to meet students and faculty where they spend most of their time—in the LMS course pages. The Course Lists approach drives library use, encourages better engagement with scholarly content and improves student satisfaction.

¹⁵ <https://www.tandfonline.com/doi/citedby/10.1080/02680513.2019.1677222?scroll=top&needAccess=true>

¹⁶ <https://www.sirsidynix.com/bluecloud-course-lists/>

Feedback from students

"Knowing you'll have access to every single article is HUGE."

"Ability to create and compile citations for all articles correctly!"

"View Article PDF opens a new tab--search results don't disappear."

"Ability to send articles to anyone easily and they will have access."

"When you select an article, a box pops up with the information and your search results don't disappear."

CloudSource+

CloudSource+ takes the CloudSource OA concept a step further and enables a library to change its whole approach to managing its electronic resources. In addition to everything included in CloudSource OA, CloudSource+ provides discovery for non-OA items from thousands of scholarly publishers through a complimentary index of works that is expected to exceed 200 million items by 2022. With CloudSource+, the library can rely primarily on OA content to meet patron demand and supplement with strategic subscriptions, ILL and on-demand procurement services, such as the Copyright Clearance Center's Get it Now program¹⁷. The CloudSource+ package includes a knowledge base, a link resolver and on-demand services, empowering your library to start using OA to save money on subscriptions while simultaneously providing a better user experience and increased access to high-quality content.

¹⁷ <http://www.copyright.com/publishers/get-it-now/>

Benefits for patrons

- Search physical and electronic resources simultaneously
- 34M+ items available with a single-click
- No need to sign-in to access OA items
- Consistent user interface
- Mobile optimized
- Easy citation and bibliography creation
- No dead ends—comprehensive index with ILL and Get It Now

Benefits for library staff

- Focus on shaping collection vs. acquiring collection
- Free up funds to acquire higher-impact resources vs. all-purpose databases
- Enjoy greater flexibility to control discovery through included collection management tools
- No need to load catalog into discovery solution
- COUNTER statistics for OA usage
- Analytics to gain insight into user behavior and high-demand content

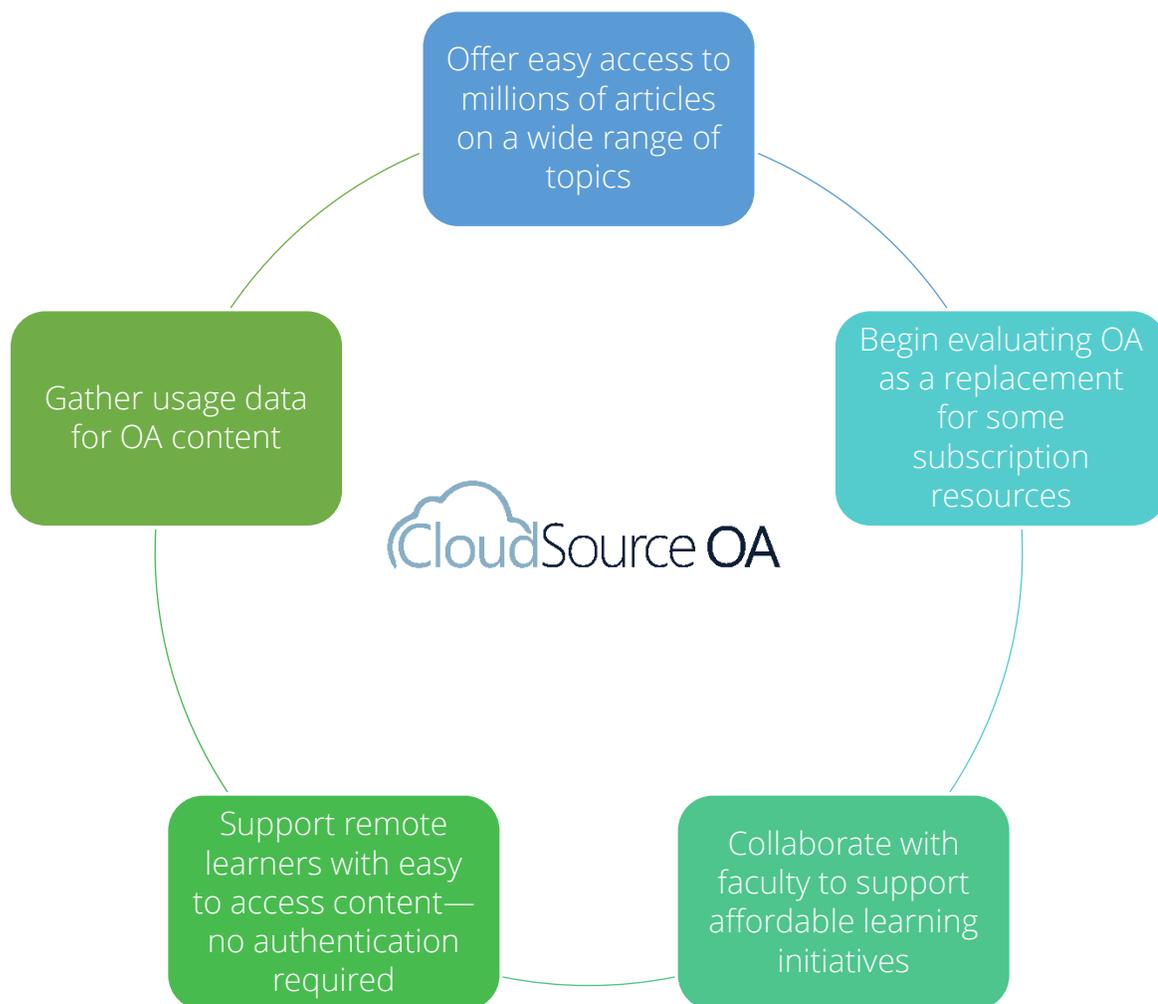
Benefits for the library

- Free up staff time
- Reduce content costs
- Reduce abstracting and indexing costs
- No need for additional link resolver
- No need for additional discovery solution
- Greater patron satisfaction with on-demand acquisition model

Summary and recommendations

The analysis for **Summit University** finds **71%** of recently published scholarly articles included in the university's current collections are freely available. It also identifies more than **8M OA articles** from **52K journals** that can be added to discovery. The library can use the data in the attached Excel file to review its current subscriptions and evaluate the opportunities for expanding its collection using OA content.

The CloudSource team is here to help if you have any questions about the data or would like more information on CloudSource services. It's our goal to help the library establish workflows that take advantage of the wealth of OA content available today. We hope you will work with us to:



We believe libraries can improve customer service, provide more access and save money by promoting OA rather than just using it as a fallback when a paid version of desired content is not available. Joining the CloudSource OA pilot today is a low-risk way for **Summit University** to explore the possibilities and to influence the development of the service. We look forward to welcoming you to the pilot group.

The CloudSource Team