

## Spectrum, Concordia University's Open Access Research Repository

Ninth Annual Report, 2018

April 2019

### Overview

Concordia University's Open Access Research Repository, Spectrum, will reach its first decade milestone this October. Built using EPrints open source software ([www.eprints.org](http://www.eprints.org)), it contains book chapters, articles, conference papers, datasets, videos, theses, and other works authored or created by members of the Concordia community. In the last year, we promoted use of the repository through several initiatives to disseminate information about open access and research funding requirements. These continued to build on the 2010 Concordia Senate resolution<sup>1</sup>, encouraging Concordia researchers to deposit their peer-reviewed articles in Spectrum.

This ninth annual report summarizes progress and achievements from January 1, 2018 to December 31, 2018, and outlines developments for Spectrum's tenth year.

### Growth and usage of content in Spectrum

Between January 1, 2018 and December 31, 2018, 780 documents were deposited in Spectrum.

Document Type	Number Deposited	Percentage of Total Deposits
Thesis	532	68.2%
Article	176	22.6%
Non-Thesis Graduate Project	30	3.8%
Monograph Chapter	14	1.8%
Monograph & Book	17	2.1%
Conference Paper	9	1.2%
Dataset	2	0.3%
Total	780	100%

Table 1. Number of documents added to Spectrum by type and percentage of total, 2018.

<sup>1</sup> Concordia University Senate Resolution on Open Access, 2010,  
<http://library.concordia.ca/research/openaccess/SenateResolutiononOpenAccess.pdf>.

A total 15,994 documents were deposited in Spectrum from September 1, 2009 to December 31, 2018. Deposits have averaged about 800 per year over the last three years. Outreach initiatives for the coming year may help to increase the quantity of deposits.

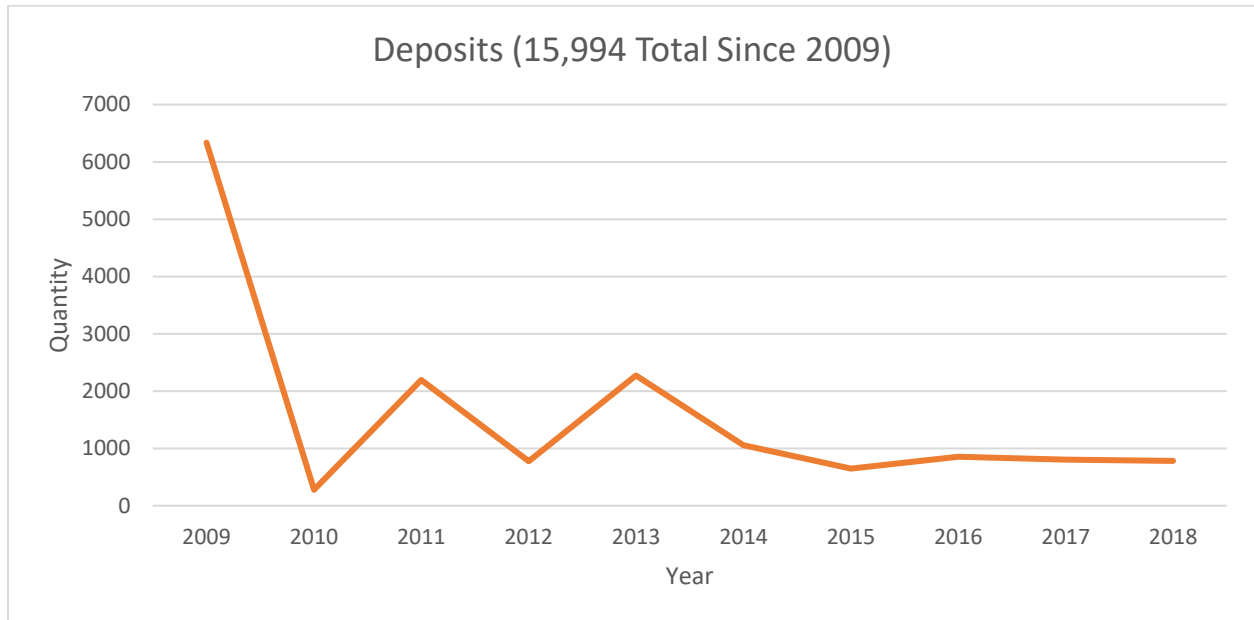


Figure 1. Number of deposits in Spectrum per year over a nine-year period.

Access to Spectrum's full text content between January 1, 2018 to December 31, 2018 was 484,606 downloads. Total or cumulative downloads of Spectrum materials from September 1, 2009 to December 31, 2018 was 5,035,528.

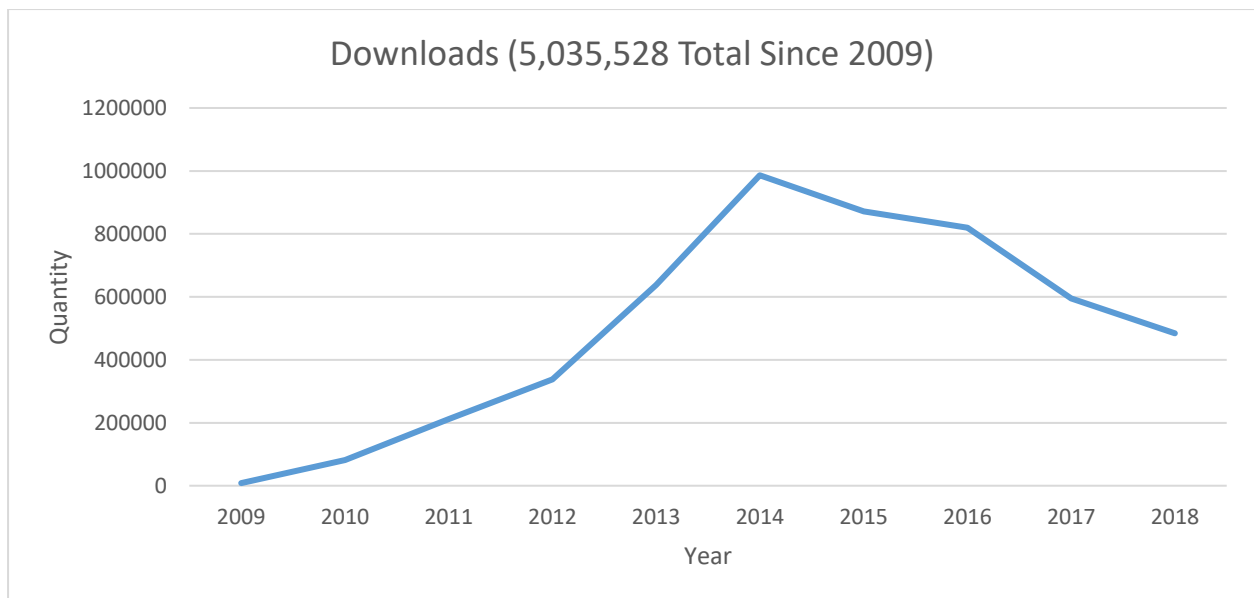


Figure 1. Number of downloads from Spectrum per year over a nine-year period.

**Spectrum is accessed by users from across the globe.**

The top ten countries represented by downloads for the period covered in this report are (in descending order).

1. United States
2. Germany
3. Canada
4. China
5. United Kingdom
6. Russian Federation
7. France
8. India
9. Australia
10. Indonesia

Spectrum’s download statistics track information about individual authors and deposits. The following authors’ works were heavily downloaded during Spectrum’s ninth year.

Author	Department/Faculty	Downloads
Laroche, Michel	John Molson School of Business	9,015
Richard, Marie-Odile	John Molson School of Business	6,532
Habibi, Mohammad Reza	John Molson School of Business	5,979
Sankaranarayanan, Ramesh	John Molson School of Business	5,873
Okoli, Chitu	John Molson School of Business	3,277
Pawlowski, Suzanne D.	John Molson School of Business	2,828
Radomsky, Adam S.	Psychology	2,586
Hope, Robyn	Media Studies	2,312
Cicchetti, Umberto	Religion	2,199
Stathopoulos, Ted	Gina Cody School of Engineering and Computer Science	2,171

Table 2. Most downloaded Spectrum authors, 2018.

The following 10 documents in Spectrum received the most full-text downloads from January 1, 2018 to December 31, 2018.

Author	Document Type	Title	Downloads
Laroche, Michel, Habibi, Mohammad Reza, Richard, Marie-Odile and Sankaranarayanan, Ramesh	Journal Article	The effects of social media based brand communities on brand community markers, value creation practices, brand trust and brand loyalty	5,792
Okoli, Chitu and Pawlowski, Suzanne D.	Journal Article	The Delphi method as a research tool: an example, design considerations and applications	2,828
Hope, Robyn	M.A. Thesis	Play, Performance, and Participation: Boundary Negotiation and Critical Role	2,312
Cicchetti, Umberto	PhD Thesis	Ibn Qutayba et l’islamisation de la science de l’interprétation des rêves en Islam; Suivi d’une	2,199

		traduction de l'oneirocriton d'Ibn Qutayba (m.276/889) et une présentation inédite du texte intégral arabe de l'oneirocriton attribué à Ibrāhīm B.'Abdullāh al-Kirmānī ( m.184/800)	
Shirgir, Samira	M. Sc. Thesis	Issuing a Convertible Bond with Call-Spread Overlay: Incorporating the Effects of Convertible Arbitrage	2,024
Li, Ying	M. Comp. Sc. Thesis	Typeface personality traits and their design characteristics	1,924
Mohammadi, Babak	M.A. Sc. Thesis	Development of Concrete Water Absorption Testing for Quality Control	1,774
Hargadon, Michael A.	M.A. Thesis	Like City Lights, Receding: ANSi Artwork and the Digital Underground, 1985-2000	1,529
Alrawashdeh, Hatem	M.A. Sc. Thesis	Wind pressures on flat roof edges and corners of large low buildings	1,357
Borck, Anja	Ph. D. Thesis	From Disposable Architecture to Industrial Monument – The Concept of Contemporary Industrial Heritage in Quebec and in Germany	1,242

Table 3. Most downloaded Spectrum documents, 2018.

## Developments in 2018 and Goals for 2019

During Open Access Week 2018, we launched a campaign promoting the use of Spectrum. We highlighted the Act-on-Acceptance program and how depositing in Spectrum fulfills the open access publishing requirements stipulated in Tri-Agency funding. This campaign included an article in Concordia's NOW Newsletter and website, as well as a screening and discussion of the film, Paywall, which addressed open access publishing issues. We're planning more promotion of Spectrum, particularly during the 2019 Open Access Week.

In 2018, an upgrade of the infrastructure (e.g., additional memory, faster drives) and operating system (to Ubuntu 18.04 LTS) of Spectrum increased performance and security. In 2019, we plan on upgrading the software that powers Spectrum to the latest version of EPrints 3.3.

The "File Formats" recommendations in the [Spectrum Guidelines](#) were updated in accordance with the Format Policy Registry. We are working on specifications for an [EPrints-Archivematica export plugin](#), required for exporting for digital preservation purposes.

Following the installation of the ORCID Support plugin, we are planning to upgrade this integration to the [ORCID Support Advance](#). This integration would make use of the university's membership in the [ORCID-CA Consortium](#) and allow users to register and connect their ORCID to Spectrum. Once authenticated, it will allow depositors to manage permissions to import from ORCID to Spectrum and write to their ORCID profile with information about content deposited to Spectrum.

The configuration of the CORE Recommender plugin instance took place last year. This plugin helps users find more documents related to the subjects covered in Spectrum documents. The CORE recommender relies on harvesting and indexing of Spectrum contents in the [CORE](#) database. We plan to make the results of this plugin visible on Spectrum abstract pages next year.

Submitted by J. Chalifour and T. Neugebauer