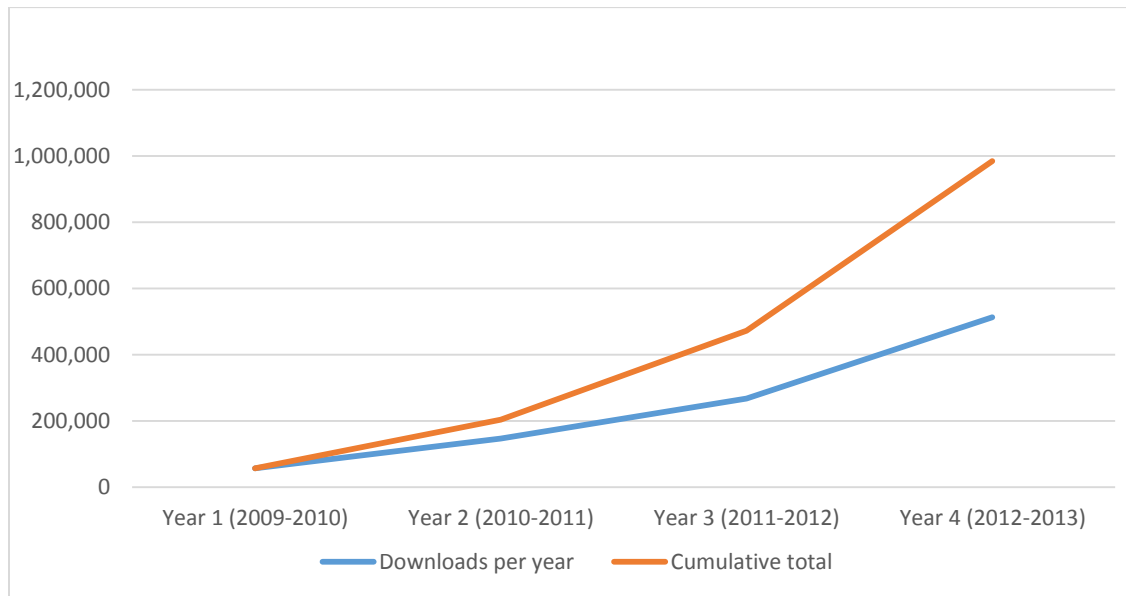


**Spectrum: Concordia University Research Repository  
Fourth Annual Report**

Spectrum, Concordia University’s open access research repository, was launched in October 2009. This fourth annual report summarizes progress and achievements from November 2012 until November 2013, and outlines goals for Spectrum’s fifth year.

**Usage of Spectrum**

Access to Spectrum’s full text content between November 1<sup>st</sup> 2012 and October 31<sup>st</sup> 2013 includes over 500,000 downloads. By the end of October 2013, the full text of articles and theses in Spectrum had been downloaded over 984,000 times, and the total cumulative downloads surpassed one million by the end of November.



The use of Spectrum increases each year. Number of full-text downloads from Spectrum.

Spectrum’s download statistics track information about individual authors and deposits. The following authors’ works were highly downloaded during Spectrum’s fourth year (November 1, 2012 – October 31, 2013).

<b>Author</b>	<b>Department</b>	<b>Downloads</b>
<u>Pillay, Pragasen</u>	Electrical and Computer Engineering	7733
<u>Laroche, Michel</u>	Marketing	6185
<u>Charbonneau, Olivier</u>	Libraries	3800
<u>Mlek, Magdalena</u>	Education	3595
<u>Zhao, Lin</u>	Building, Civil and Environmental Engineering	2730
<u>Hazegh Fetratjoo, Mohammad</u>	Building, Civil and Environmental Engineering	2523
<u>Okoli, Chitu</u>	Decision Sciences and Management Information Systems	2326
<u>Paraschivoiu, Marius</u>	Mechanical and Industrial Engineering	2212
<u>Reilly, Rosemary C.</u>	Applied Human Sciences	1829
<u>Shakeeb, Marwa</u>	Electrical and Computer Engineering	1725

The following 10 documents in Spectrum received the most full-text downloads from November 1, 2012 to October 31, 2013:

Author	Document Type	Title	Downloads
Mlek, Magdalena	Masters thesis	<u>Nursing Students' Learning Experiences in Clinical Settings: Stress, Anxiety and Coping.</u>	3595
Zhao, Lin	PhD thesis	<u>Development of an Integrated System for the Simulation and Assessment of Produced Water Discharges from Offshore Platforms.</u>	2730
Hazegh Fetratjoo, Mohammad	PhD thesis	<u>A framework for automatic modeling of underground excavations in homogeneous rock mass.</u>	2523
Charbonneau, Olivier	Journal Article	<u>Collaboration and open access to Law: How can Web 2.0 technologies help us understand the law?</u>	2188
Chintapalli, Sridhar	Masters thesis	<u>Preliminary structural design optimization of an aircraft wing-box.</u>	2117
Okoli, Chitu and Pawlowski, Suzanne D.	Journal Article	<u>The Delphi method as a research tool: an example, design considerations and applications.</u>	2052
Farah, Carlos Abou	Masters thesis	<u>Ultimate bearing capacity of shallow foundations of layered soils.</u>	1965
Mukerjee, Kumar K	Masters thesis	<u>A critical review of the mechanics of metal rolling, its application to the design of hot strip mills ; a major technical report.</u>	1912
Maduna, Mamokhele Julia	Masters thesis,	<u>An analysis of the use of teaching aids and the implications for teaching and learning mathematics in Qwaqwa phase one schools (South Africa).</u>	1897
Laroche, Michel Habibi, Mohammad Reza Richard, Marie-Odile Sankaranarayanan, Ramesh	Journal Article	<u>The effects of social media based brand communities on brand community markers, value creation practices, brand trust and brand loyalty.</u>	1867

### Growth of Content

Since spring 2011, all Concordia theses have been deposited in Spectrum. As of the end of November 2013, there are over 10,700 graduate theses in Spectrum and 890 faculty-authored journal articles. Faculty members and graduate students learn about Spectrum through GradProSkills workshops and direct outreach activities undertaken by Spectrum editors.

Faculty or Unit	Articles added November 2012 – October 2013	Theses added November 2012 – October 2013	Total number of deposits of all document types added since 2009
Arts & Science	120	645	4331

Engineering & Computer Science	95	772	3592
Fine Arts	51	172	897
John Molson School of Business	11	103	649
Libraries	4	0	90
Various Research Units	13	5	60
School of Graduate Studies	0	37	229

### **Electronic Theses**

Collaboration continues between the Libraries and the School of Graduate Studies in supporting electronic submission of student theses in Spectrum. Digitized Concordia theses for the years 2007 to 2009 were loaded into Spectrum in 2012-2013. Theses from the year 2010 will be imported in the coming year, completing the load of retrospective theses supplied by ProQuest.

### **Spectrum Enhancements**

Support for the deposit of a new document type was implemented in Spectrum, allowing for deposit of non-thesis graduate projects. A number of changes to the Spectrum user interface were implemented to enhance user experience, document deposit workflow, and metadata tracking for Spectrum editors. Spectrum's operating system was also upgraded.

### **Non-Thesis Graduate Projects**

Graduate Research Papers submitted by MA students in Creative Arts Therapies (CATS) were approved by the School of Graduate Studies for inclusion in Spectrum. Initially, Spectrum editors worked with departmental personnel to have students graduating in the Fall 2013 convocation deposit their research papers. Future CATS graduate students will be encouraged by the department to deposit their research papers upon completion of their degree work. It is planned to add research papers from previous years as they are submitted by alumni notified by the CATS department.

### **Open Access Fund**

The Open Access Author Fund two-year pilot project was completed in March 2013. Funding for the project was subsequently extended. The Fund continues to be managed by the Libraries. During the period November 1, 2012 to October 31, 2013, the Fund reimbursed article processing charge payments for 10 articles published in fully Open Access journals by 9 Concordia authors, a total disbursement of \$12,628.71. Copies of the articles for which authors receive reimbursement are included in Spectrum.

### **Open Access Developments**

Three Canadian granting councils, the Social Sciences & Humanities Research Council (SSHRC), the Natural Sciences & Engineering Research Council (NSERC), and the Canadian Institute of Health Research (CIHR), drafted the Tri-Agency Open Access Policy. The draft policy is modeled after CIHR's Open Access Policy, which remains unchanged since coming into effect in 2008. According to this draft policy statement, the Agencies will require that all federally funded peer-reviewed journal

publications be made freely available within one year of publication, either on the publisher's website or in an online repository. Depending on the results of the consultation, the policy will be applied to grants awarded after September 1, 2014. Of note, book chapters, reports, monographs, editorials, or conference proceedings will not be covered under the policy at this time. For more information, the draft Tri-Agency Open Access Policy is available at: [http://www.nserc-crsng.gc.ca/NSERC-CRSNG/policies-politiques/OpenAccess-LibreAcces\\_eng.asp](http://www.nserc-crsng.gc.ca/NSERC-CRSNG/policies-politiques/OpenAccess-LibreAcces_eng.asp)

## **Year 5 Goals**

### *Theses*

Loading of Concordia theses from 2010 supplied by ProQuest will be undertaken after January 1, 2014, when this becomes permitted under Concordia's license agreement with the vendor.

### *Non-Thesis Graduate Projects*

Spectrum editors will continue to work with the Creative Arts Therapies department to support deposit of non-thesis Graduate Research Projects by both graduating students and alumni. Support will be provided to other departments who obtain approval from the School of Graduate Studies for inclusion of non-thesis student work in Spectrum.

### *System enhancements*

Continue the development of the preservation plug-in that identifies different file formats and draws attention to those that may need preservation reformatting/migration. The pre-requisite upgrade of the operating system was completed. The EPrints software will need to be upgraded to the latest version before this plugin is introduced.

### *Faculty Outreach*

Outreach to Concordia faculty identified as authors of recently published scholarly articles will continue. Spectrum editors and subject liaison librarians will contact Concordia authors to encourage them to deposit their research in Spectrum.

### *DOI minting*

Investigate the addition of DOI registration with DataCite Canada to the dataset and theses deposit workflows of Spectrum.

## **Spectrum Working Group Members (November 2012-November 2013)**

Adam Baron  
Danielle Dennie  
Jean-Marc Edwards  
Alex Guindon  
Bin Han  
David Macaulay  
Mia Massicotte  
Annie Murray (Chair, January 2012-June 2013)  
Tomasz Neugebauer (Chair, October 2013-)