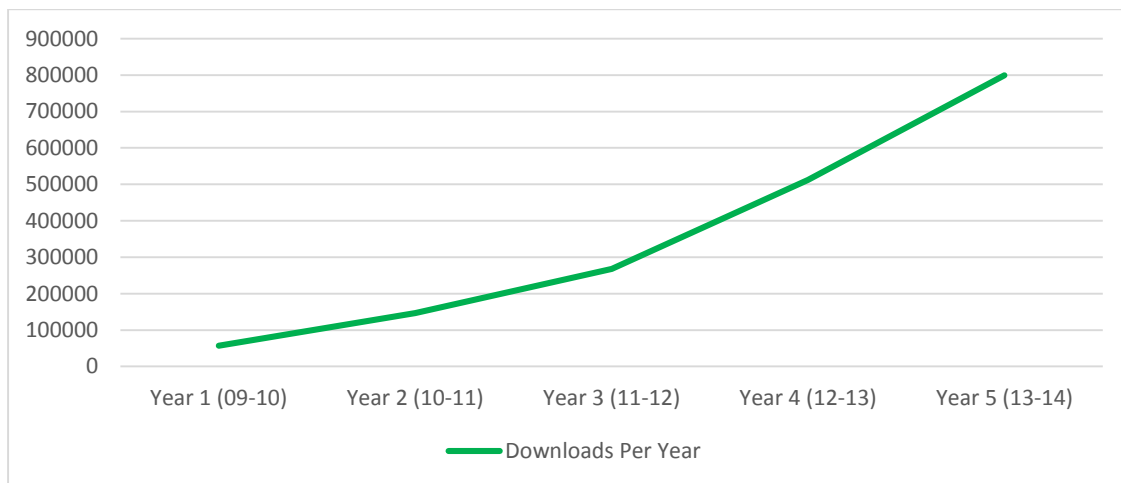


**Spectrum
Concordia University Research Repository
Fifth Annual Report, 2013-14
April 2015**

Spectrum: Concordia University Research Repository was launched in October 2009. Built using EPrints open source software (<http://www.eprints.org/>), it contains book chapters, articles, conference papers, datasets, and other works authored or created by members of the Concordia community. After a wide-ranging discussion involving faculty from across the University, in the spring of 2010 the Concordia Senate passed a resolution encouraging all Concordia researchers to deposit their peer-reviewed articles in Spectrum¹. It is also the repository for Concordia theses and dissertations. This fifth annual report summarizes progress and achievements from **November 1, 2013 to October 31, 2014**, and outlines developments for Spectrum's six year.

Usage of Spectrum

Access to Spectrum's full text content between 1 November 2013 to 31 October 2014 was 799,095 downloads. Total or cumulative downloads of Spectrum materials from launch in 2009 to 31 October 2014 was 1,783,199.



Number of full-text downloads from Spectrum per year and cumulative total over a five year period.

Spectrum is accessed by people from across the globe; the top ten countries represented by downloads includes (in descending order): Germany, USA, China, Canada, United Kingdom, India, France, Japan, Australia, and Malaysia.

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

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

Author	Department	Downloads
M. Laroche	JMBS	8665
P. Pillay	Electrical & Computer Engineering	6045
C. Okoli	JMSB	5987
O. Charbonneau	Libraries	4900
M. Ben Moussa	Communication Studies	3135
T. Shepherd	Communication Studies	2849
R. Reilly	Applied Human Science	2467
M. Hargadon	History	2437
M. Mlek	Education	2355
M. Paraschivoiu	Mechanical and Industrial Engineering	2119

The following 10 documents in Spectrum received the most full-text downloads from November 1, 2013 to October 31, 2014.

Author	Document Type	Title	Downloads
Okoli, Chitu and Pawlowski, Suzanne D.	Journal Article	The Delphi method as a research tool: an example, design considerations and applications.	3976
Maduna, Mamokhele Julia	MA Thesis	An analysis of the use of teaching aids and the implications for teaching and learning mathematics in Qwaqwa phase one schools (South Africa).	3935
Chintapalli, Sridhar	MA Thesis	Preliminary structural design optimization of an aircraft wing-box.	3696
Laroche, Michel and Habibi, Mohammad Reza and 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	3421
Ben Moussa, Mohamed	PhD Thesis	The Use of the Internet by Social Movements in Morocco: Implications for Collective Action and Political Change	3135

Farah, Carlos Abou	MA Thesis	Ultimate bearing capacity of shallow foundations of layered soils	3112
Charbonneau, Olivier	Journal Article	Collaboration and open access to Law: How can Web 2.0 technologies help us understand the law?	2920
Shepherd, Tamara	PhD Thesis	Persona Rights in Young People's Labour of Online Cultural Production: Implications for New Media Policy	2849
Tzempelikos, Athanassios	PhD Thesis	A methodology for integrated daylighting and thermal analysis of buildings	2781
Sikdar, Sumit Kanti	PhD Thesis	Machinability of nickel based superalloys with carbide and ceramic tools in milling	2717

Growth of Content

Since spring 2011, all Concordia graduate theses have been deposited in Spectrum. As of the end of October 2014, there were over 11,600 graduate theses in Spectrum and 1000 faculty- or graduate-student authored journal articles. Faculty members and graduate students learn about Spectrum through GradProSkills workshops and direct outreach activities undertaken by Spectrum editors and subject librarians.

Faculty or Unit	Articles added November 2013 – October 2014	Theses added November 2013 – October 2014	Total number of deposits of all document types added since 2009
Arts & Science	74	195	4782
Engineering & Computer Science	13	238	4008
Fine Arts	4	46	1007
John Molson School of Business	32	32	748
Libraries	7	0	103
Various Research Units	6	6	85
School of Graduate Studies	0	18	229
TOTAL	136	535	10962

Spectrum Ranking

Spectrum has consistently ranked amongst the most impactful academic institutional repositories in North America. In 2013, Spectrum was ranked fifth out of forty-eight (48) repositories in Canada and forty-eighth out of three hundred and eighteen (318) in North America by the Ranking Web of Repositories², an initiative of CSIC, the largest public research body in Spain. In July 2014 Spectrum's ranking increased to fourth out of forty-eight (48) repositories in Canada and thirty-first out of four hundred and twenty-nine (429) in North America.

Goals and Developments for 2015-16

Spectrum Enhancements

Several enhancements are planned for Spectrum in 2015 including: a new statistical package ([IRStats 2](#)); an improved search function including the introduction of relevance ranking of search results; updated user interface to match the new Concordia templates/web site and improve on the usability/responsiveness of Spectrum to mobile devices; and integration of the EPrints Bazaar (<http://bazaar.eprints.org/>), a site that provides extensions for the EPrints platform. These developments will improve the efficiency with which additional features can be introduced henceforth, such as the integration with DataCite for DOI minting, as well as a digital preservation plugin.

DOI Minting

Manual DOI (Digital Object Identifier) minting is now possible for some select datasets in Spectrum. A DOI is a unique alphanumeric string assigned by a registration agency (the International DOI Foundation) to identify content and provide a persistent link to its location online.

Submitted by G. Little, T. Neugebauer

² The Ranking Web of World Repositories. Consejo Superior de Investigaciones Científicas. 2014. <http://repositories.webometrics.info/>