



# RESEARCH EXCELLENCE

## GOAL 1: INCREASE THE QUALITY AND IMPACT OF UBC'S RESEARCH AND SCHOLARSHIP

### Objective: Excellence in Research and Scholarship

**PURPOSE:** UBC is a leading research-intensive university and continues to support the critical and creative thinking that has fostered our capacity to innovate within and beyond academia. We continue to strive for excellence in all aspects of our research activity. The combination of research funding (inputs), scholarly production and bibliometrics (outputs), and recognition of excellence by peers (scholarly prizes and awards, scholarships), provide us with a set of metrics comparable to other institutions within Canada and globally, to benchmark our performance as a research-intensive university.

	Okanagan & Vancouver			
Metric Summary	2010/11	2011/12	2012/13	2013/14
Total Research Funding*	\$549.5M	\$519.5M	\$519.6M	\$564.28M
Scholarly Outputs	7,730 <sup>++</sup>	8,245 <sup>++</sup>	7,832 <sup>++</sup>	Not available
Scholarly Prizes & Awards	22	29	28	27
Scholarships Awarded	364	302	281	289 Partial data, see note

<sup>++</sup>For # UBC publications, see notes with ++ in Section 2 Reporting Sheet, Scholarly Outputs.

### Summary of Items to Create Metrics

#### SECTION 2: Scholarly Outputs – bibliometrics

Total number of Scholarly Outputs:

- A) Average Citation Impact
- B) Number and percentage of High-Quality Publications; other bibliometrics and altmetrics as applicable. Include benchmarking against top-ranking universities where available

The metrics above were selected to provide additional evidence to existing research funding and awards metrics, to form a more complete indicator of the quality and impact of research and scholarship at UBC.

For Average Citation Impact: number of total UBC publications from World of Science/InCite, and current year from SCImago.

Average Citation Index, compared to world average is the ratio of citation impact compared to world average of 1.0

For % High Quality Publications: SCImago Journal Rank SJR indicator.

Data to be collected in April of each year. Reported by the VPRI in June of each year.

**RESEARCH EXCELLENCE - A) Average citation impact\****\*Data compiled as per calendar year (January 1<sup>st</sup> - December 31<sup>st</sup>)*

	UBC - Vancouver + Okanagan			
	2010	2011	2012	2013
Average citation impact	1.70	1.69	1.7*	1.77

*\*SCImago only published 1 decimal point for 2012 data***Benchmark: Ratio of citation impact compared to world average**

Institutions	2010	2011	2012*	2013
UBC	1.70	1.69	1.7	1.77
McGill	1.62	1.61	1.6	1.64
U of Toronto	1.79	1.84	1.8	1.82
U of Alberta	1.41	1.42	1.4	1.45
U of Montreal	1.56	1.54	1.5	1.56
Oxford	1.97	1.97	2.0	2.1
Cambridge	1.88	1.88	2.0	2.03
UCL	1.83	1.83	1.8	1.91
Stanford	2.30	2.27	2.3	2.33
Harvard	2.42	2.40	2.4	2.4
MIT	2.35	2.35	2.4	2.45

*\*SCImago only published 1 decimal point for 2012 data***Description**

Average citation index = 1.73 (2007-2011, compared to world average).

The ratio of citation impact compared to world average of 1.0.

NOTE: We have the number of total UBC pubs for 2013 from World of Science/InCite and the number of citations of UBC pubs in 2013, but we need to remember that the citation of papers published in 2013 won't peak until 2015/16. That is why the SCImago report is looking at a historical block of time which is needed to make sense of our citation impact.

**Person with lead responsibility for this metric:** Helen Burt, Associate VP Research, VPRI**Data collection will be from:** Martin Kirk, Director, ORS.**Date:** Data to be reported in April of every year.**Explanation of Results**

The Average Citation Index is calculated on a calendar year basis, hence the 2014 calculations will not be available until the 2014 calendar year is completed.

## RESEARCH EXCELLENCE - B) # and % High quality publications\*

\*Data compiled as per calendar year (January 1<sup>st</sup> - December 31<sup>st</sup>)

	UBC - Vancouver + Okanagan			
	2010	2011	2012	2013
% High quality publications*	62%	63%	64%	60.13
# Total UBC publications	7,638**	7,730**	8,245**	7,832**

\*All % are rounded to the nearest whole number

\*\*See table inserted below and explanatory text

**Benchmark: % of publications that appear in the “best” 25% of journals in each subject area**

Institutions	2010	2011	2012	2013
UBC	62%	63%	64%	60%
McGill	63%	65%	66%	62%
U of Toronto	64%	66%	67%	62%
U of Alberta	57%	59%	60%	57%
U of Montreal	63%	60%	65%	61%
Oxford	71%	72%	72%	67%
Cambridge	68%	69%	69%	65%
UCL	70%	72%	71%	67%
Stanford	69%	70%	70%	67%
Harvard	78%	79%	79%	74%
MIT	63%	64%	65%	62%

Note: All % are rounded to the nearest whole number

### Description

- High Quality Publications representing % of publications that UBC publishes in the most influential scholarly journals of the world; those ranked in the first quartile (top 25%) in their categories within the scopus system as ordered by SCImago Journal Rank SJR indicator.
- Pub vol = no of total journal publications in the scopus database (2004-8 in 2010 report, 2005-09 in 2011 report, 2006-10 in 2012 report, 2007-11 in 2013 report).
- \*\*Note that the source reporting has been modified to provide a new range of publications sources and types, as well as having been modified to provide a more transparent and abbreviated listing of name configurations for UBC, to ensure that only those publications with UBC authors engagement are included in the counts year over year. As can be seen from the comparators below, the overall series of numbers changes very little between both sources helping us to ensure our accuracy in using each system, as well as showing the general trend in publication totals at UBC. Details of the data sources and the process by which the data was collected have been included below the chart inserted on the following page, with year range from 2007 - 2013.
- 2007 - 2013 comparative data and chart produced and provided by PAIR.

**Person with lead responsibility for this metric:** Helen Burt, Associate VP, VPRI

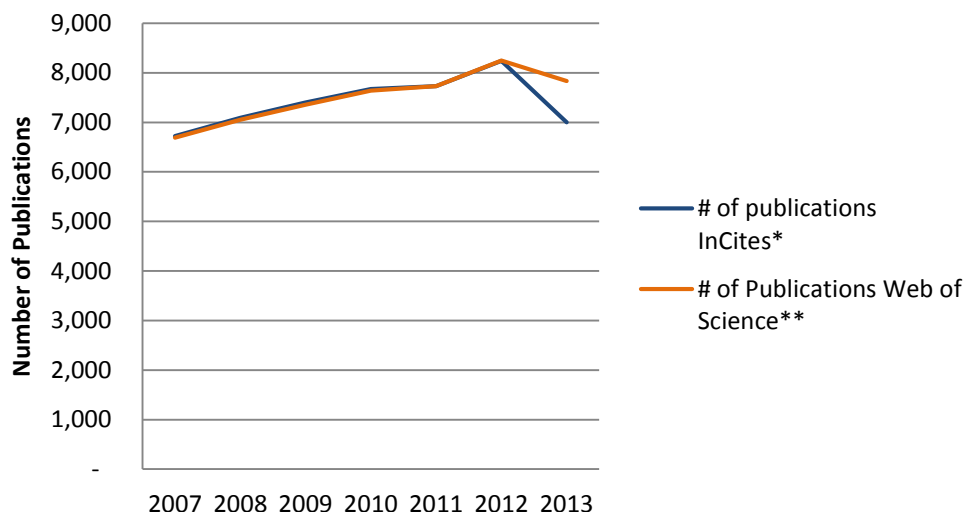
**Data collection will be from:** Martin Kirk, Director, ORS

**Date:** Data to be reported in April of every year.

**Explanation of Results:** The % High Quality Publications is calculated on a calendar year basis, hence the 2014 calculations will not be available until the 2014 calendar year is completed. As per the above explanations, the report cycle includes a date range from which the % is calculated.

## Number of Publications 2007 - 2013

as of April 10, 2014



### Count of UBC Publications - by year: 2007-2013

	# of publications InCites*	# of Publications Web of Science**			
2007	6,721	6,694			
2008	7,089	7,052			
2009	7,399	7,356			
2010	7,675	7,638			
2011	7,733	7,730			
2012	8,238	8,245			
2013	6,999	7,832			
<b>Source:</b> **Web of Science Database, UBC Library * InCites University of British Columbia: Address Search data Set					
<b>Date:</b> As of database on April 10, 2014 (both data sources)					
<b>Web of Science Database:</b> Web of Science Core Collection					
<b>Document types:</b> Article or Editorial material, meeting abstract, book review, proceedings paper, letter, review					
<b>Organization enhanced:</b> University of British Columbia					
All publications with a UBC affiliate address also include a UBC address					
UBC Okanagan authors are included.					