



RESEARCH EXCELLENCE

GOAL 2: BE A WORLD LEADER IN KNOWLEDGE EXCHANGE AND MOBILIZATION

Objective: Leadership in Knowledge Exchange and Mobilization

Purpose:

UBC strives to support impactful research activity that enhances the engagement of the university locally, regionally, nationally and internationally. Cross-sectoral partnerships, innovation and entrepreneurship opportunities are fostered through the University Industry Liaison Office (UILO), the Entrepreneurship@UBC program, as well as through the Innovation Catalyst and UBC's University Innovation Strategy.

Definition:

Total Number of UBC's Industry Partners

To measure the extent of formal research and development partnerships in which UBC researchers are engaged. The number of industry partners, in combination with other metrics under Goal 2, provides means of determining the degree of knowledge exchange and mobilization occurring at UBC.

Total Number of New Spin-off Companies Created at UBC

This metric measures one aspect of knowledge exchange, mobilization and technology commercialization occurring at UBC, and presents a measure of UBC's engagement with industry sectors, communities, and marketplaces. The potential to benchmark allows for comparison with other leading institutions.

Total Number of New Invention Disclosures

To measure new intellectual properties being developed on an annual basis at UBC, as an indicator of innovation activity. Invention Disclosures are one indicator of the quality and quantity of innovation from research activity at UBC. In combination with other metrics in Goal 2, it is possible to assess the degree of knowledge exchange and mobilization occurring at UBC.

Total Number of New Technologies Mobilized

To measure the innovations being mobilized on an annual basis at UBC as a key component of innovation. The mobilization of new technologies is one indicator of the quality and quantity of research innovation activity at UBC. In combination with other metrics in Goal 2, technologies mobilized provides a means of assessing the degree of knowledge exchange and mobilization occurring at UBC.

Overall Metrics:

	Okanagan			Vancouver			Combined		
	2011/12	2012/13	2013/14	2011/12	2012/13	2013/14	2011/12	2012/13	2013/14
Number of Industry Partners	33	51	62	585	703	762	613	753	821
Number of New Spin-Off Companies	0	0	0	4	5	3	4	5	3
Number of New Invention Disclosures	13	6	5	111	146	123	124	152	128
Number of New Technologies Mobilized	0	0	0	51	76	54	51	76	54

Note: This is the most recent year of available data for this metric.

Explanation of the Results and Next Steps:

Number of Industry Partners: In 2013/14 UBC engaged with 821 industry partners in research-related activities, including sponsored research, as licensees of UBC technologies and as partners in Engage Grants funded by NSERC.

Next Steps: Monitor these numbers on an annual basis to look for trends in activity and determine what support is required to maintain and grow UBC's capacity for knowledge exchange and mobilization.

Number of new Spin-Off Companies: The creation of three new spin-off companies in 2013/14 increased the cumulative total of companies formed around a license to a UBC technology or research discovery to 161. The number of spin-off companies tends to fluctuate quite significantly from year to year around a longer term consistent average of approximately 4-5 new companies per year.

It is worth noting that the ability to successfully form and fund spin-off companies is heavily influenced by the availability of risk capital in the marketplace. Since the beginning of the global economic downturn in 2008 the financing climate has been difficult to say the least rendering the successful formation of new companies more challenging.

Next Steps: Monitor annually to determine the best methods to support UBC's knowledge exchange and mobilization goals.

Number of New Invention Disclosures: In 2013/14 128 new invention disclosures were received by the UILO. Invention disclosures are made when researchers wish to commercialize discoveries arising from research conducted using UBC facilities or developed using University-administered funds.

Next Steps: Monitor these numbers annually to look for trends in activity and determine where supports are required.

Number of New Technologies Mobilized: Fifty four different UBC technologies were mobilized in 2013/14 through licensing agreements, downloads and orders via technology portals and through submission to Intellectual Ventures as a Solutions Report under the Intellectual Ventures Canada partnership with UBC.

Next Steps: Monitor these numbers annually to look for trends in activity and determine where supports are required.

Supplementary Visuals:

Number of Industry Partners:

RESEARCH EXCELLENCE – # Industry Partners

	Okanagan			Vancouver			UBC		
	11/12	12/13	13/14	11/12	12/13	13/14	11/12	12/13	13/14
# Industry Partners	33	51	62	585	703	762	613	753	821

	Okanagan			Vancouver			UBC		
	11/12	12/13	13/14	11/12	12/13	13/14	11/12	12/13	13/14
# Industry Partners (Sponsored Research)	16	24	37	520	593	650	532	616	684
# Industry Partners (Licensees)	0	0	0	31	37	30	31	37	30
# Industry Partners (Engage Grants)	17	27	25	38	73	82	53	100	107

* Note: The total number of Industry Partners (Sponsored Research) is less than the sum of the Okanagan and Vancouver components as some companies have sponsored research at both campuses.

Total number is a combined number of *different* companies:

- Listed in RISE as undertaking industry-sponsored research,
- Partnering with UBC researchers in NSERC Engage Grants, and
- Licensing UBC technology.

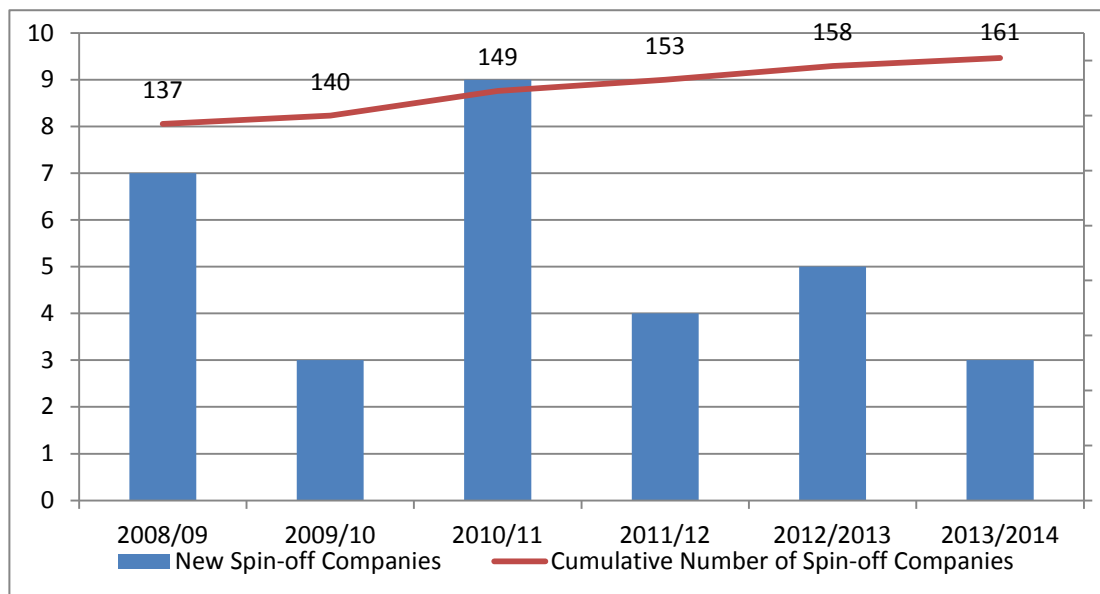
Note that this only captures a portion of the companies engaging with UBC because other activities such as Co-op placements, involvement in capstone projects, and internships are not included.

Number of New Spin-Off Companies:

RESEARCH EXCELLENCE – New Spin-offs / Cumulative Total Spin-offs

	Okanagan			Vancouver			UBC		
	11/12	12/13	13/14	11/12*	12/13	13/14	11/12*	12/13	13/14
New Spin-offs	0	0	0	4	5	3	4	5	3
Cumulative Total Spin-offs	0	0	0	153	158	161	153	158	161

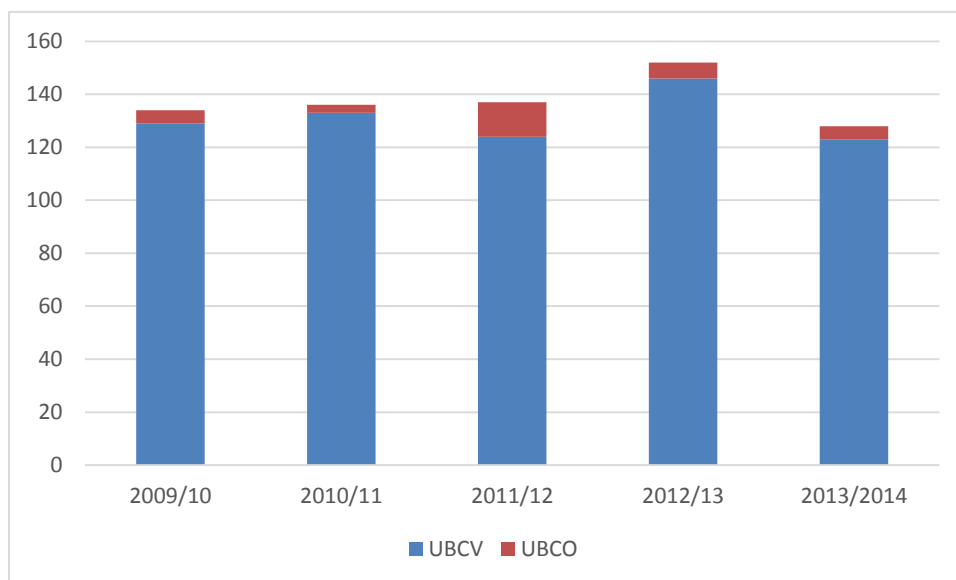
* restated



Number of New Invention Disclosures:

RESEARCH EXCELLENCE - # Invention Disclosures

	Okanagan			Vancouver			UBC		
	11/12	12/13	13/14	11/12	12/13	13/14	11/12	12/13	13/14
Invention Disclosures	13	6	5	111	146	123	124	152	128



Number of New Technologies Mobilized:

RESEARCH EXCELLENCE - # Technologies Mobilized

	Okanagan			Vancouver			UBC		
	11/12	12/13	13/14	11/12	12/13	13/14	11/12	12/13	13/14
#Technologies Mobilized	0	0	0	51	76	54	51	76	54

Description

This number includes the number of *different* technologies mobilized in 2013/14 through the following mechanisms:

- Licensed by the UILO to an industry partner (the count is the number of different technologies rather than the number of license agreements) (27)
- Downloaded or licensed through Flintbox (count of technologies rather than transactions) (15)
- Accepted through the Intellectual Ventures Canada Solutions Report agreement (2)
- Mobilized through other channels (0)