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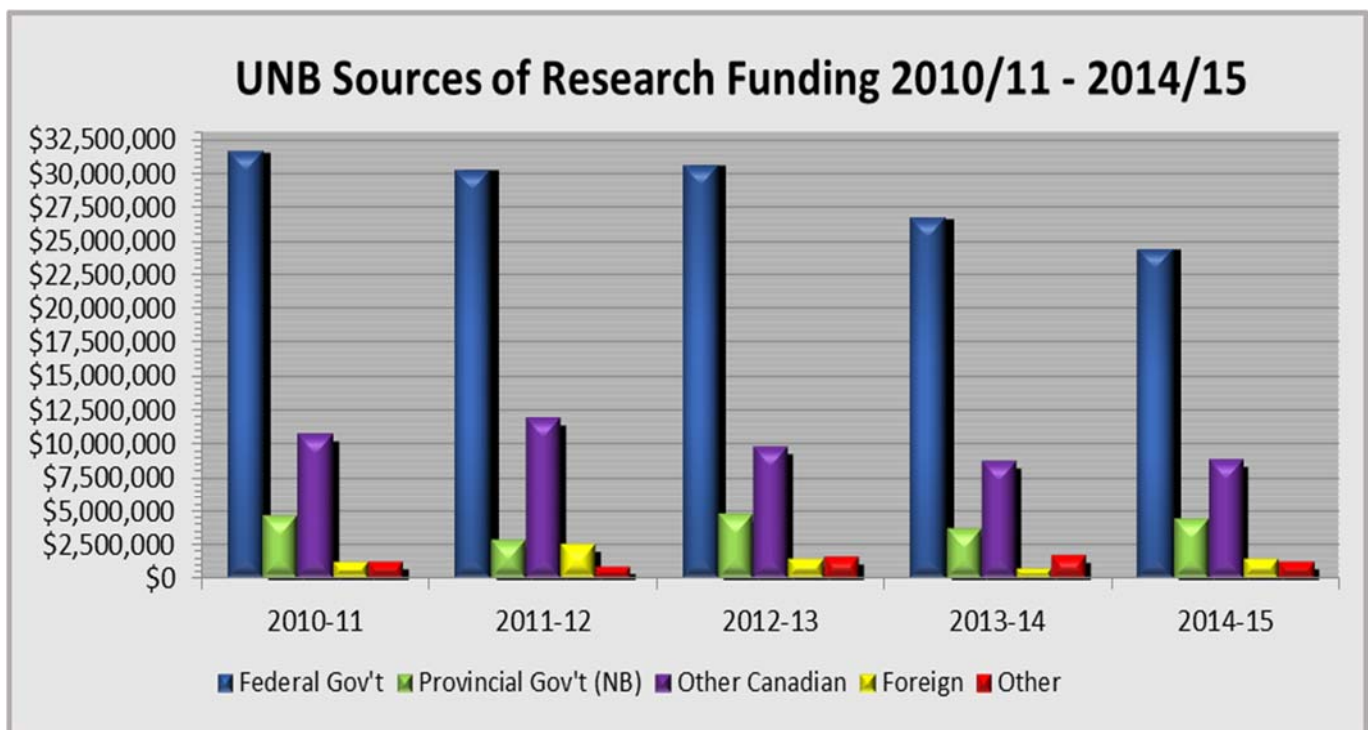
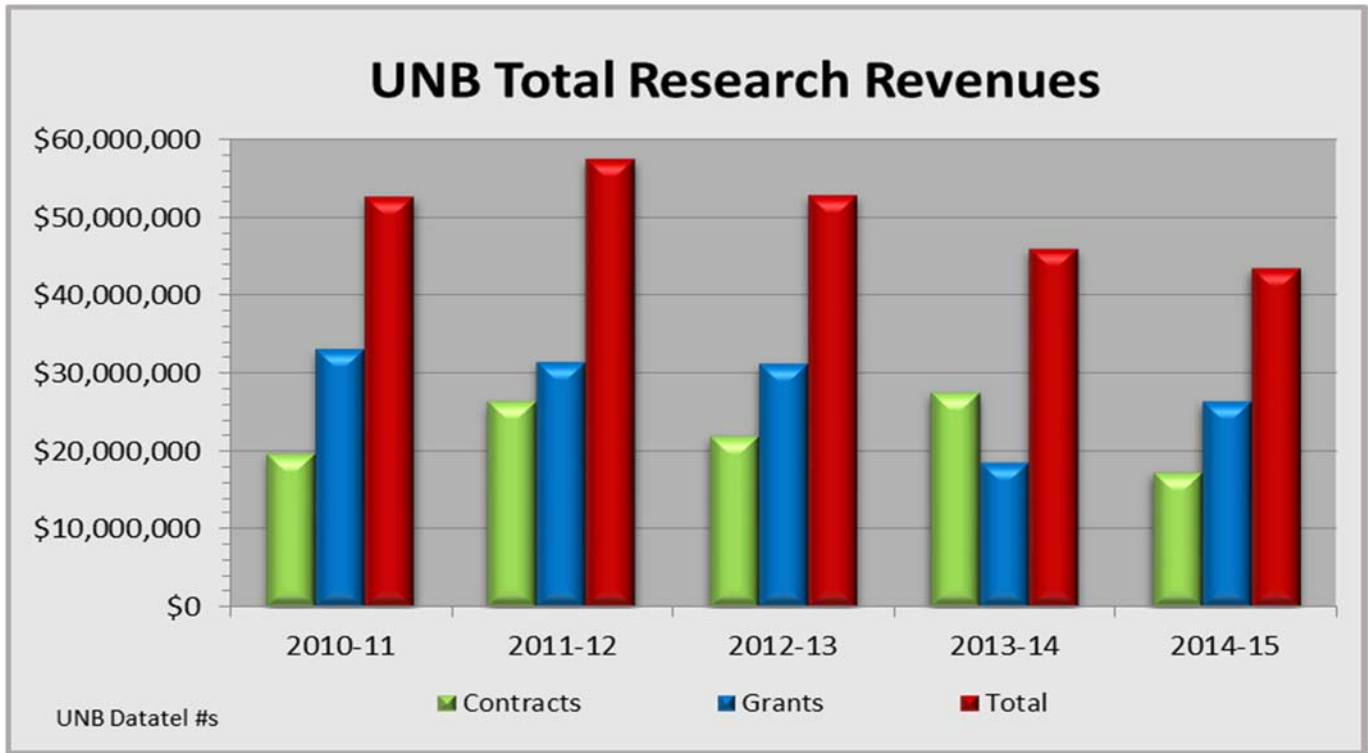
Message from the Vice-President (Research)

The University has been challenged with declining research revenue for 2014/15 year. Much of the funding decrease is due to the completion of large Tri-Council network projects. However, new initiatives are underway to replace these funding envelopes. An indication of these commitments is seen with increased funding commitments from the province. The coming years will see the leveraging of the seed funding to fuel our research activities.



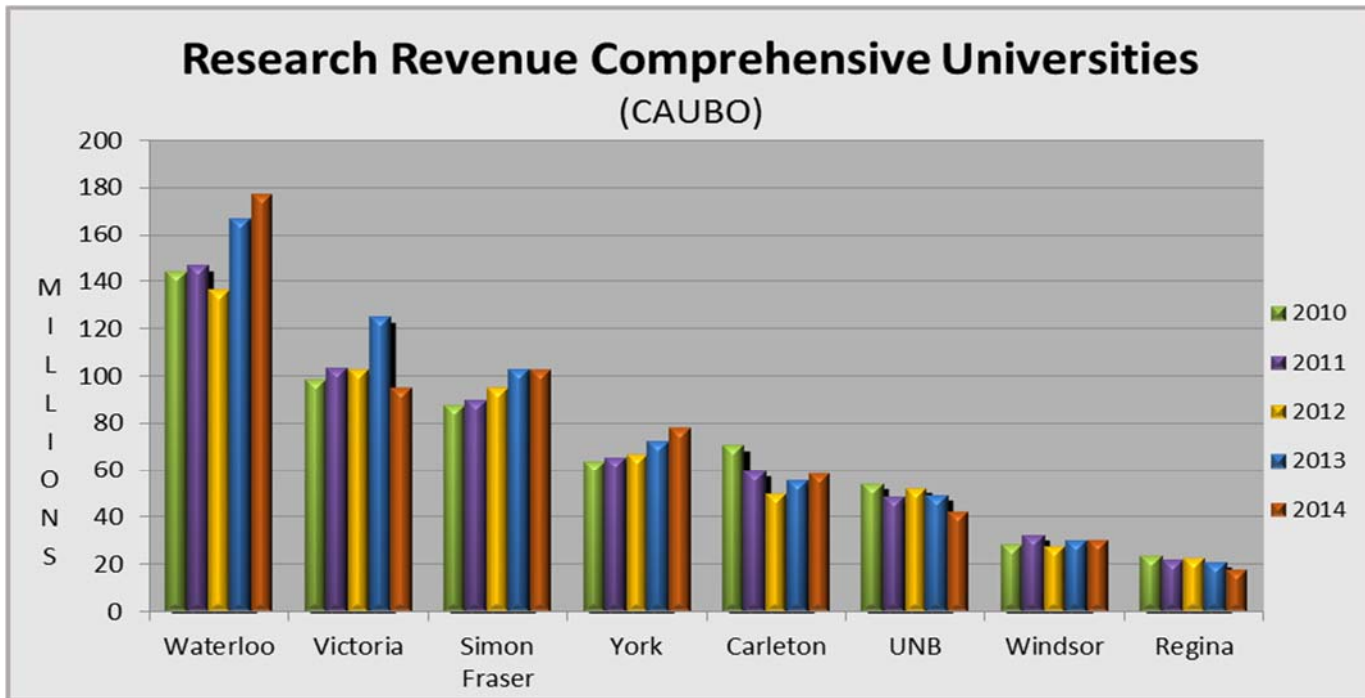
Research Revenue

The 2014-15 fiscal year saw our research revenues decrease. After the significant upswing of 2011-12 we are now back at \$43,265,600, down 5.8% from 2013-14. Grant revenues were down on both campuses, including a 37.1% decrease in Tri-council funding from 2013-14. Contract revenues had a slight increase, but have stayed relatively level. Royalty revenues continue to increase moderately.

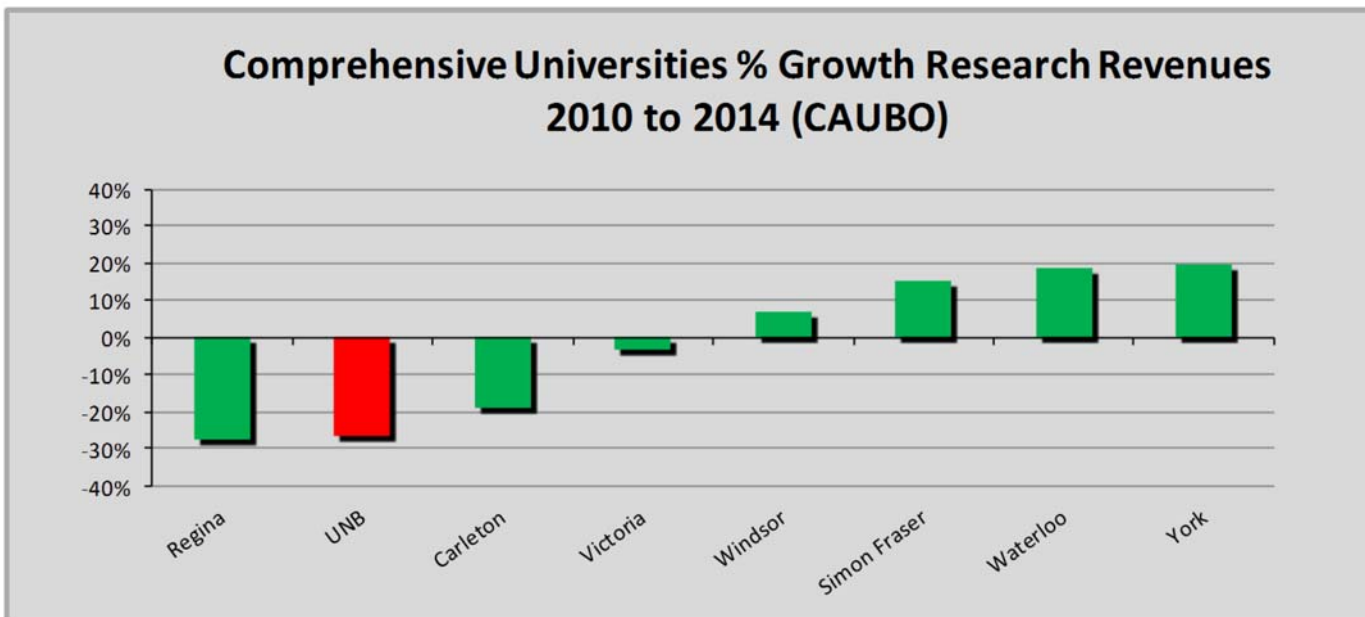


Research Revenue (continued)

The Canadian Association of University Business Officers (CAUBO) compiles research-related revenues based on mutually agreed upon definitions. It is this number that is used for inter-institutional comparisons. In the fiscal year 2014-15, UNB's CAUBO number was \$41,039,000, down 3.45% from the final CAUBO number for the previous year of \$42,505,000. The inter-institutional comparative revenues graphed below are one year in arrears due to reporting and publication delays.



We have routinely reported our percentage growth in CAUBO research revenues over a rolling five year period in comparison to our peer group of universities.



Research Revenue (continued)
Research Revenue per Generating Unit

The following table attributes research revenues by generating unit during the last fiscal year. Grants, Contracts and Other column values are generated by audited CAUBO numbers. Funding for research scholarships such as Canadian Heritage, Canada Council, and The NB Arts Board are reported in the Additional Research Funding column, as submitted by heads of the Departments and Faculties. Note that some research revenues are generated by the university, but are not reported on this table (e.g., the Indirect Costs of Research grant).

Research Revenues per Generating Unit					
UNIT	Grants (CAUBO)	Contracts (CAUBO)	Other (CAUBO)	Total (CAUBO)	Additional Research Funding
ADMINISTRATION (F)	37,978	97,479		135,457	
ARTS (F)	3,315,137	27,994	30,237	3,373,368	484,525
Arts	263,981			263,981	
Anthropology	326,175			326,175	
Classics				0	
Economics	789,675	17,156		806,831	
English	70,353			70,353	309,525
History	625,319	5,897	30,237	661,453	
Philosophy					
Political Science					
Psychology	320,818	4,941		325,759	175,000
French	20,361			20,361	
Culture & Language Studies					
Sociology	898,455			898,455	
COMPUTER SCIENCE (F)	1,097,761	1,175,362		2,273,123	
EDUCATION (F)	560,687	15,000		575,687	
ENGINEERING (F)	5,283,734	4,564,786	413,642	10,262,162	
Chemical Engineering	2,893,381	2,744,630	34,857	5,672,868	
Civil Engineering	407,619	247,572	1,809	657,000	
Electrical Engineering	499,665	602,084		1,101,749	
Mechanical Engineering	725,679	256,661		982,340	
Geodesy & Geomatics	404,602	713,839	15,000	1,133,441	*
J Herbert Smith ACOA Chair	352,788		361,976	714,764	
FORESTRY	604,554	1,161,191	3,614	1,769,359	12,075
KINESIOLOGY	139,347	5,960	2,541	147,848	
LAW					
NURSING (F)	264,884			264,884	1,510,000

*Working with Development and Donor Relations, a \$2M donation to endow the CISCO Systems Chair for Big Data was obtained.

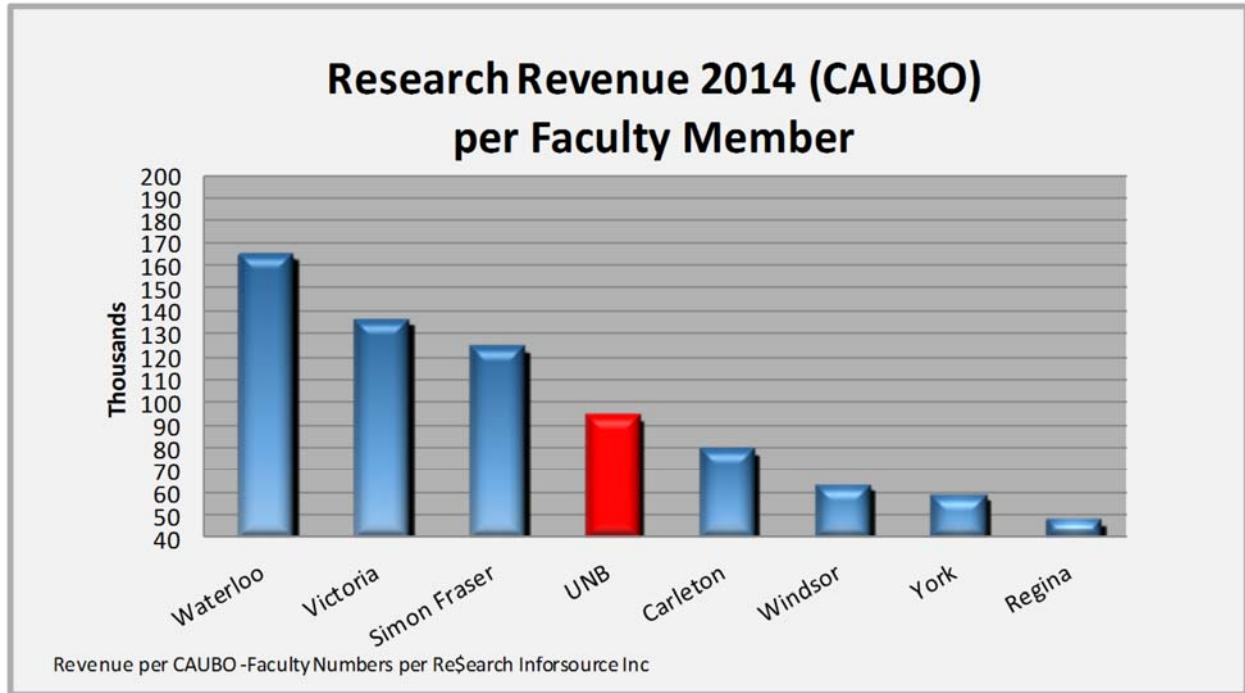
Research Revenues per Generating Unit (continued)

Research Revenues per Generating Unit					
UNIT	Grants (CAUBO)	Contracts (CAUBO)	Other (CAUBO)	Total (CAUBO)	Additional Research Funding
SCIENCE (F)	4,312,575	2,082,753	73,527	6,468,855	253,422
Math & Stats	403,638			403,638	
Biology	1,706,901	359,174	45,772	2,111,847	
Chemistry	683,762	179,252	2,936	865,950	
Earth Sciences	779,381	697,384	24,819	1,501,584	
Physics	738,893	846,943		1,585,836	253,422
INSTITUTE OF BIOMEDICAL ENGINEERING (IBME)	1,004,189	1,153,621	1,708	2,159,518	
CHRONIC ILLNESS RESEARCH INSTITUTE (CIRI)					
CANADIAN RESEARCH INSTITUTE FOR SOCIAL POLICY (CRISP)	200,000	1,540,859		1,740,859	
CDN. RIVERS INSTITUTE (CRI) (F & SJ)	1,093,399	1,408,925	14,987	2,517,311	
SCHOOL OF GRAD STUDIES	187,875		2,607,556	2,795,431	
NB INSTITUTE RESEARCH DATA	5,000	28,000		33,000	
HIL		400		400	
CNER INSTITUTE*			198,736	198,736	
ARTS (SJ)	11,447			11,447	
History & Politics					
Social Science					
Criminal Justice Studies	-3,592			-3,592	
Humanities & Languages					
Psychology	15,039			15,039	
BUSINESS (SJ)	32,000			32,000	
SCIENCE & ENGINEERING (SJ)	976,188	319,242		1,295,430	178,750
Biology	625,663	199,242		824,905	178,750
Science		110,000		110,000	
Physical Sciences	163,323			163,323	
Nursing/Health Sciences	121,202			121,202	*
Engineering					
Computer Science and Applied Stats	55,000	10,000		65,000	
Mathematical Sciences	11,000			11,000	
DAL MEDICAL ED PROGRAM	207,304			207,304	

*Working with Development and Donor Relations, a \$2M donation to endow the Jarislowsky Chair for research in Interprofessional Patient-Centred Care was obtained.

Research Revenue (continued)

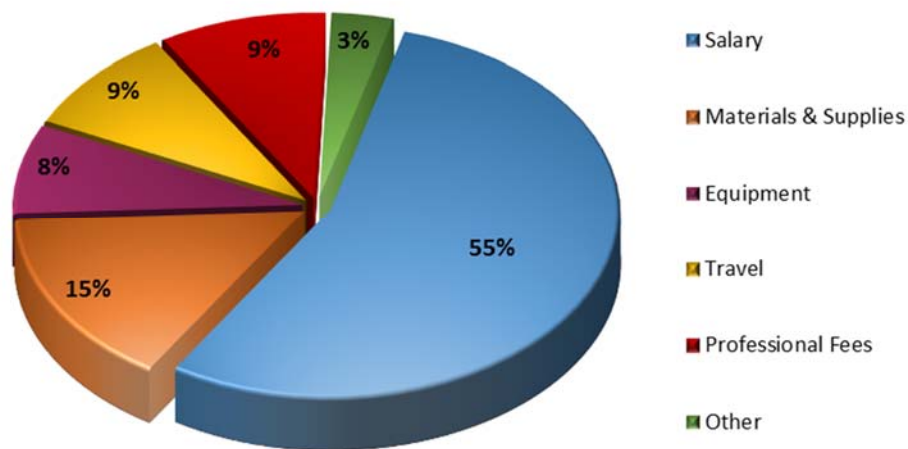
A metric that is commonly cited when comparing the research intensity at universities is the research revenue generated per faculty member. In order to make such a comparison credible, independent sources are required for the two metrics. For our purposes, we use Re\$earch Info Source Inc. and CAUBO. In 2014 UNB ranked fourth, having broken through the \$100k per faculty member barrier in 2011.



Research Expenditures

The majority of the research funding received by UNB goes back into the New Brunswick economy through salaries. In 2014-15, \$25.5 million was spent on student and non-student salaries. Equipment, materials and supplies consumed \$9.2 million and travel \$3.6 million.

Research Expenditures UNB 2014-2015

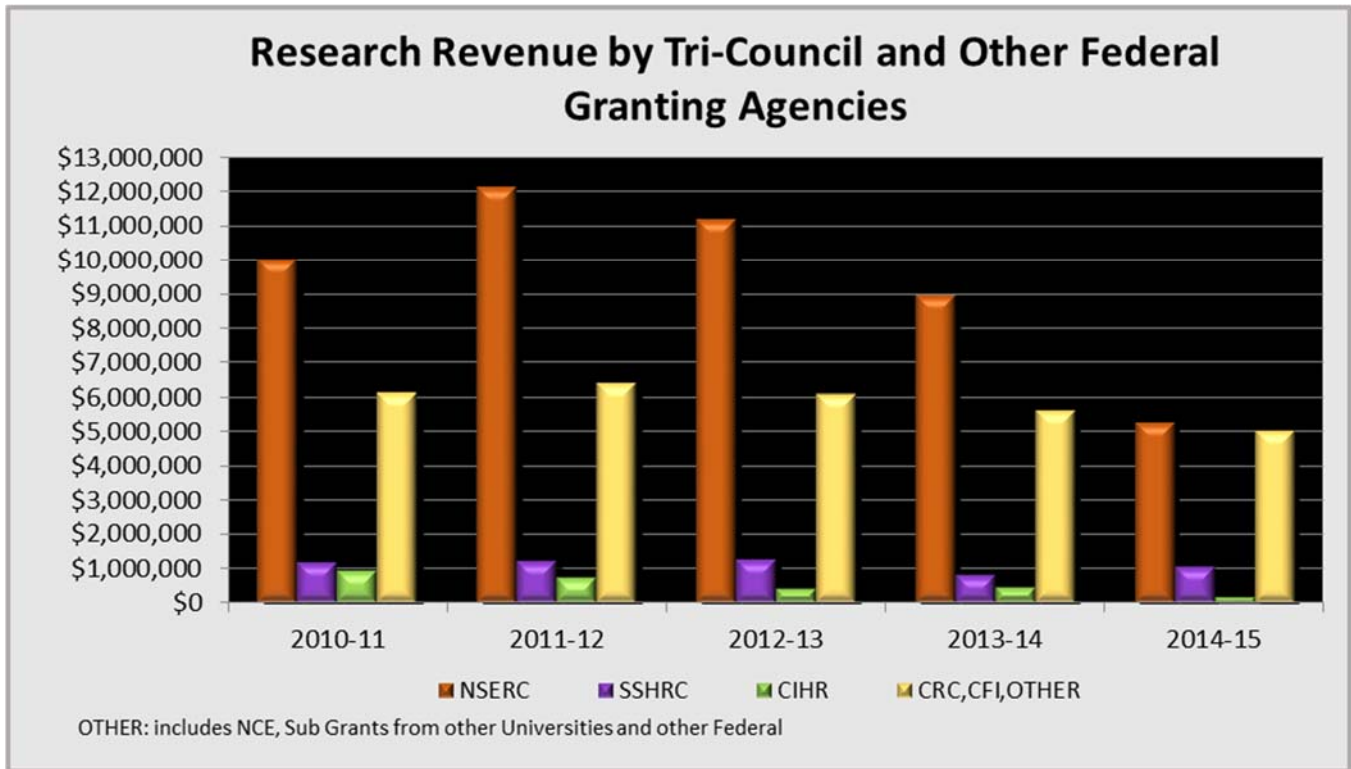


*Note: Preliminary Numbers from Datatel System

NOTE: The bulk of all research revenues eventually flow back out as expenses. Due to the timing of different accounting tasks, however, total research expenditures will not equal total research revenues for the fiscal year.

Tri-Council Funding

The University's tri-Council (NSERC, SSHRC, CIHR) grant revenues in 2014-15 decreased by 37.1% overall to \$6.4M from the \$10.2M level of 2012-13. Other Federal granting agency (CRC, CFI, other) grants dropped from \$5.6M in 2013-14 to \$5.05M in 2014-15.



As indicated, grants from Tri-Council are a very important component of UNB's research activities. The details of our successes or lack thereof are being continuously scrutinized. To that end, details of our submissions to and awards from NSERC, SSHRC and CIHR for the calendar year 2014 are depicted on the following table (totals will differ from those presented for *fiscal year* 2014-15).

In order to facilitate comparisons, we have also provided last year's (2013) metrics.

Research Support Fund (Previously Indirect Costs of Research)

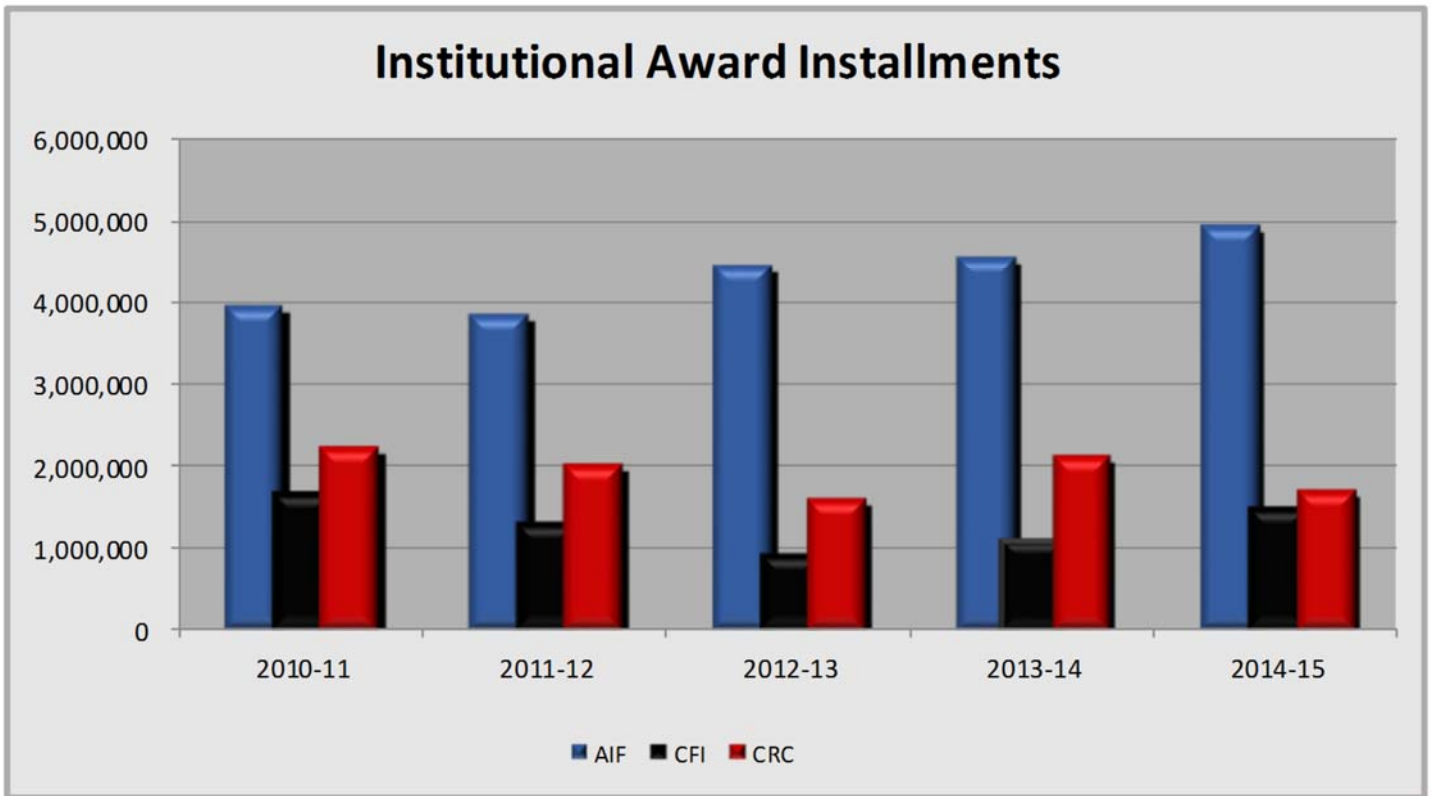
The Indirect Costs of Research grant provides funding for research facilities, resources, management and administration, regulatory requirements, accreditation and intellectual property management. The amount universities receive from this program is contingent on their level of tri-Council funding based on a three-year rolling average. The university's allocation for 2014-15 was \$3,538,546, and the allocation for the 2015-16 fiscal year is \$3,493,045.

Tri-Council Success

Tri-council - 2014 Results							
Submissions	Program	Submitted	Requested	Successful	Awarded	Success Rate	Funding Rate
NSERC	CRD	4	3,900,664	4	3,900,664	100.0%	100.0%
	Strategic Project	3	1,439,600	1	306,200	33.3%	21.3%
	RTI	8	692,775	0	0	0.0%	0.0%
	Discovery	46	12,217,854	26	3,327,000	56.5%	27.2%
	Engage & Engage Plus	18	424,577	14	324,077	77.8%	76.3%
	Other	8	1,053,198	4	826,800	50.0%	78.5%
	Total NSERC		87	19,728,668	49	8,684,741	56.3%
SSHRC	Insight	11	1,806,775	1	135,973	9.1%	7.5%
	Other	19	1,419,432	7	615,728	36.8%	43.4%
	Total SSHRC	30	3,226,207	8	751,701	26.7%	23.3%
CIHR	Foundation Scheme	4	LOI	0	0	0.0%	0.0%
	OOG	4	1,888,535	1	383,675	25.0%	20.3%
	Other	5	1,992,969	1	75,000	20.0%	3.8%
	Total CIHR	13	3,881,504	2	458,675	15.4%	11.8%

Tri-Council - 2013 Results							
Submissions	Program	Submitted	Requested	Successful	Awarded	Success Rate	Funding Rate
NSERC	CRD	5	683,932	5	683,932	100%	100%
	Strategic Project	2	582,200	0	0	0%	0%
	RTI	7	628,423	1	112,372	14.3%	17.9%
	Discovery	39	11,373,059	14	380,000	35.9%	3.3%
	Engage & Engage Plus	34	813,837	28	669,359	82.4%	82.2%
	Other	9	196,696	3	5,011	33.3%	2.5%
	Total NSERC		96	14,278,147	51	1,850,674	53%
SSHRC	Insight	18	3,544,321	1	485,625	5.6%	13.7%
	Other	19	2,873,745	5	185,085	26.3%	6.4%
	Total SSHRC	37	6,418,066	6	680,710	16.2%	10.6%
CIHR	OOG	15	4,640,957	0	0	0%	0%
	Other	6	364,267	1	25,000	16.7%	6.9%
	Total CIHR	21	5,005,224	1	25,000	4.8%	0.5%

Institutional Funding



Atlantic Innovation Fund (AIF)

The Atlantic Canada Opportunities Agency continues to support UNB research. Although there were no new awards in this fiscal year, we currently lead six active AIF projects (one from round 7, two from round 9 and three from round 10).

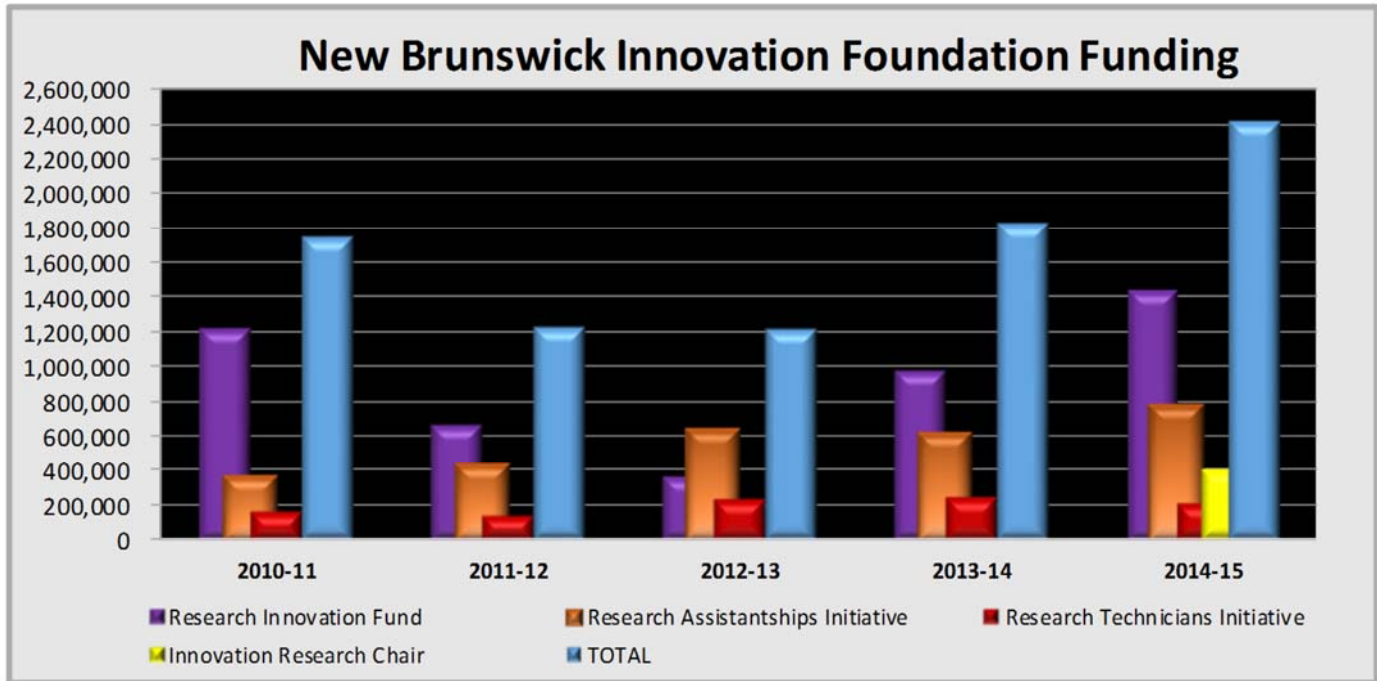
Along with leading six projects, UNB is involved in two active AIFs lead by other organizations. UNB researchers continue to play important roles in an AIF project led by Acadia University and another project led by Forest Protection Limited.

Canada Foundation for Innovation (CFI)

In 2014-15, UNB was successful in having four new CFI projects approved at a total value of \$560,807, plus an additional \$168,242 in Infrastructure Operating Funds to help maintain the equipment. UNB researchers are currently leading 12 active CFI infrastructure projects involving \$1.6 million from the CFI and \$2.1 million from matching sources.

New Brunswick Innovation Foundation

The New Brunswick Innovation Foundation continued to be a strong supporter of research at UNB. UNB saw increases in all NBIF programs with the exception of the Research Technicians Initiative, and received added funding via the Innovation Research Chair. Total NBIF funding to UNB increased by 32.5% over last year.



New Brunswick Health Research Foundation

The New Brunswick Health Research Foundation continued to contribute to UNB research. As the graph below indicates, since 2010-11 NBHRF contributions to our research enterprise have been in the \$200K–\$300K range. They have increased to \$1.3M in 2014-15 due in part to funding for the SPOR Network, and funding for the Jarislowsky Chair. Additionally, NBHRF has increased both the number of projects it has funded at UNB by 11 in 2014-15, as well as increasing the dollar value of the average grant awarded.

