



SRP Launch & Open Forum
Wednesday October 11th, 1:00pm-3:00pm,
Senate Chambers



research.info.yorku.ca/strategic-research-plan-refresh-2018-2023/

SRP Launch & Open Forum

October 11, 1pm-3pm, Senate Chambers

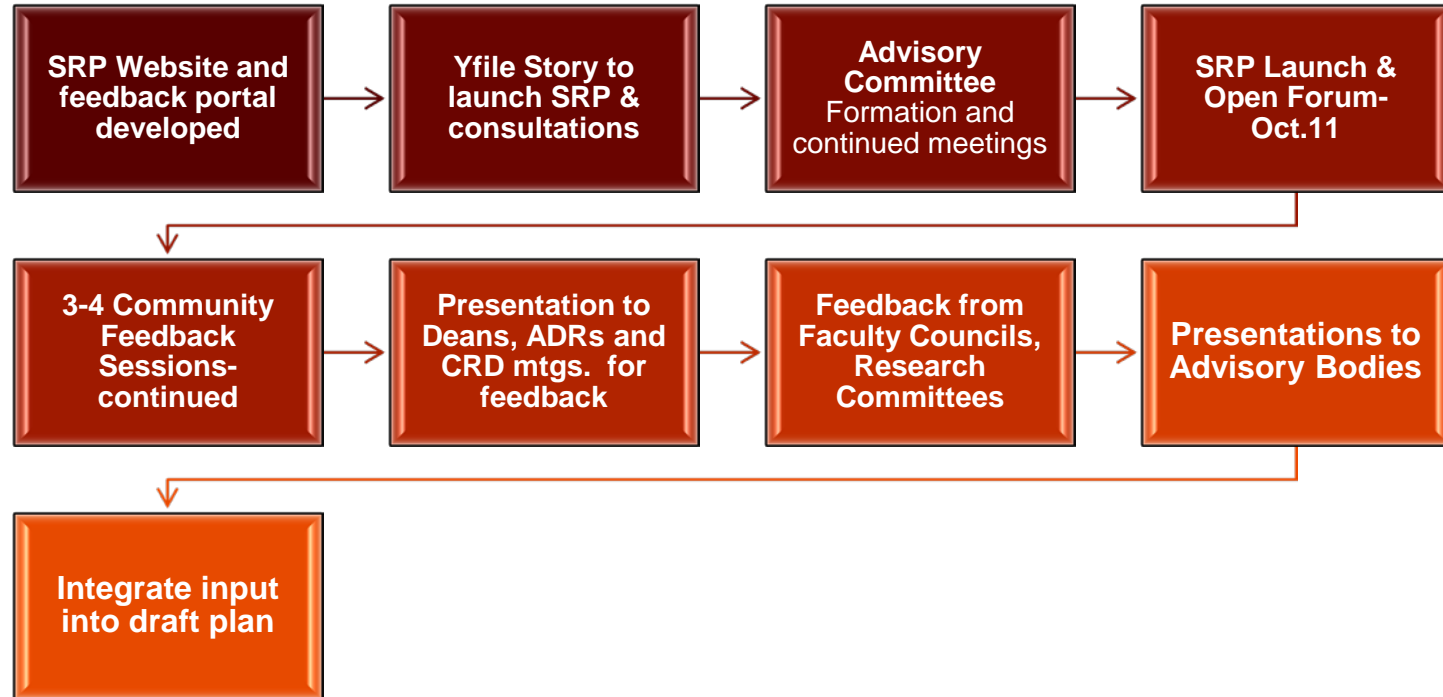
Objective: Community engagement and feedback as we work towards York's next Strategic Research Plan

Agenda:

- Overview of consultation process
- Introduce members of the Advisory Committee
- Review objectives of current SRP
- Discuss progress during term of current plan
- Question – how does progress and new developments impact on new SRP?
- Soliciting priorities and community expectations for SRP

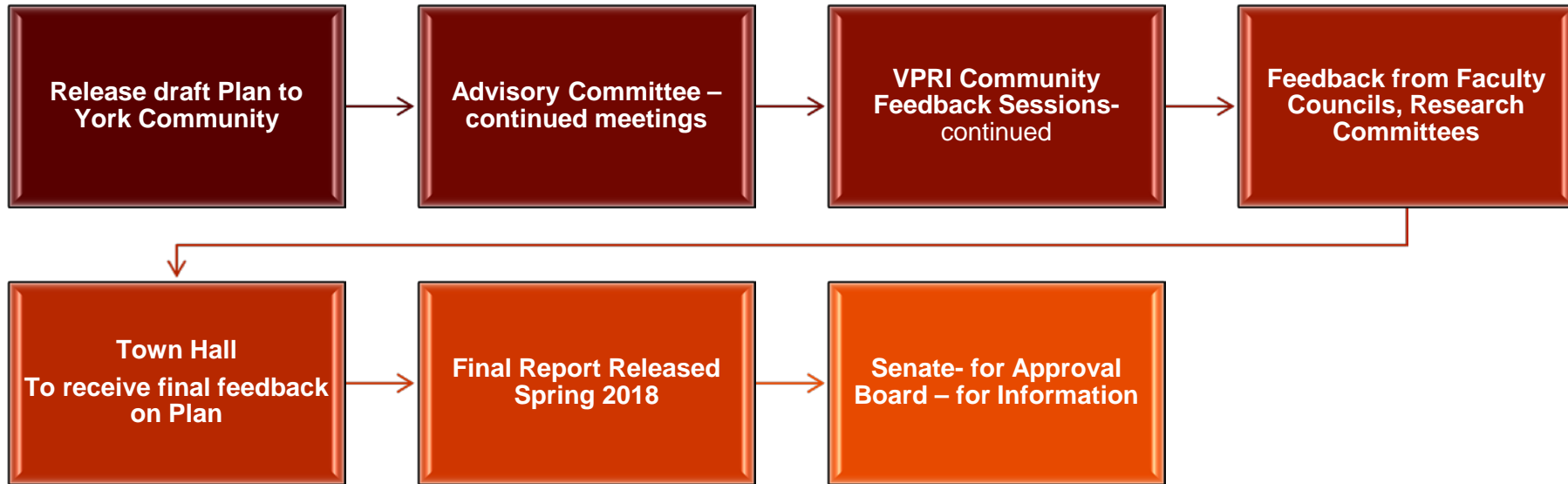
SRP Consultation Process- Phase 1

Fall 2017



SRP Consultation Process- Phase 2

Winter/Spring 2018



Strategic Research Plan Advisory Committee

- Rob Haché, Chair
- Celia Haig-Brown, AVP Research, Professor Faculty of Education
- Janice Chu, Director, Programs, Grants and Capacity Building, United Way Toronto York Region
- Karen Drake, Associate Professor, Osgoode Hall Law School
- Caitlin Fisher, Associate Professor, School of the Arts, Media, Performance and Design
- Sarah Flicker, Associate Professor, Faculty of Environmental Studies
- Donald Ipperciel, Principal, Glendon College
- Fuyuki Kurasawa, York Research Chair, Global Digital Citizenship, Faculty of LA&PS
- Jeremy Laurin, President & CEO, ventureLAB
- Regina Lee, Associate Professor, Lassonde School of Engineering
- Thomas Loebel, Chair APPRC, Faculty of LA&PS
- Yvette Munro, Director, Academic Partnerships & Planning, Office of the Vice-Provost
- Theodore Noseworthy, Canada Research Chair, Entrepreneurial Innovation, Schulich School of Business
- James Orbinski, Professor, Director Dahdelah Global Health Research Institute, Faculty of Health
- Graham Wakefield, Canada Research Chair, Interactive Information Visualization, School of the Arts, Media, Performance and Design
- Henry Wu, Board of Governors
- Cora Young, Associate Professor, Faculty of Science
- Dessi Zaharieva, PhD Candidate, Kinesiology & Health Science - Recipient of CIHR Doctoral – Vanier Canada Graduate Scholarship

SRP 2013-2018 -Research Strengths

Advancing Fundamental Discovery and Critical Knowledge

- Scholars are pursuing fundamental investigation of the world around us – including the study of the formations of cultures and language acquisition and theories of linguistic variation and change

Analyzing Cultures and Mobilizing Creativity

- Creative cultural production and the critical study of cultural traditions and performance practices. Scholars in units such as English, French Studies, Languages, Literatures and Linguistics excel in the study of literature, art and film in all genres

Building Healthy Lives and Communities

- Study of health, from age-related ailments and disease prevention, through cognitive and physical health to the influence of income inequality, the social determinants of health as well as the health of communities and global health

Exploring the Frontiers of Science and Technology

- Spanning from the complexity of science and engineering, to probing technological innovation, to addressing the fundamental challenges arising in our global ecosystem

Forging a Just and Sustainable World

- This theme extends from understanding the global and international environment to exploring identity, human rights, citizenship and movement of peoples.

Integrating Entrepreneurial Innovation and the Public Good

- Innovation and the entrepreneurial spirit, contextualized within the principles of social justice and the public good. York is uniquely positioned to meet this multi-faceted challenge and bridging these two pursuits.

SRP 2013-2018 Research Opportunities

Digital Cultures

- Expand York's recognized leadership at the digital interface. Support in this area will leverage York's current success in digital media and encourage continued innovation to drive our leadership

Engineering Research that Matters

- The expansion of engineering and applied science research with the ambition of seeing York recognized as being in the first tier for innovation in engineering and applied science research

Healthy Individuals, Communities and Global Health

- Research taking an interdisciplinary perspective to health across the lifespan . Research that begins with a focus on the individual and extends to the study of health in a global context.

Public Engagement for a Just and Sustainable World

- Research that includes workable solutions for a sustainable future, including environment, governance, land use, infrastructure, economy, security, transportation energy and quality of life paying particular attention to urban environments.

Scholarship of Socially Engaged Research

- Building on existing leadership in the practice of socially engaged research across all disciplines by working to enhance York's expertise in the scholarship of engagement.

Strategic Research Plan 2013-2018

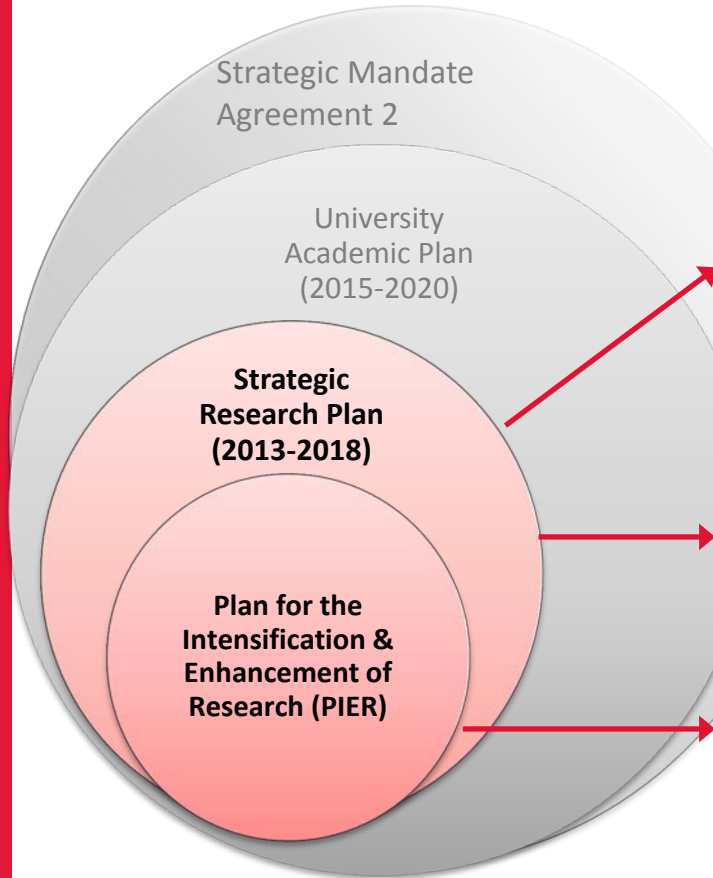
How have things evolved...

....and what are the implications for SRP 2018-2023?



Strategic Research Plan Advisory (2013-2018)

Context



Strengths:

- Advancing Fundamental Discovery
- Analyzing Cultures & Mobilizing Creativity
- Building Health Lives & Communities
- Exploring the Frontiers of Science & Technology
- Forging a Just & Sustainable World
- Integrating Entrepreneurial Innovation & the Public Good

Opportunities:

- Digital Cultures
- Engineering Research That Matters
- Health Individuals, Healthy Communities & Global Health
- Public Engagement for a Just and Sustainable World
- Scholarship of Socially Engaged Research

5 Areas for Recommendation:

- Growing a Culture of Scholarly Inquiry
- Investing In & Promoting People
- Supporting Research Growth & Development
- Leadership in Research & Research Advocacy
- Building Research for the Future

Strategic Research Plan

Some Large Steps

ORU Review
based on
updated
Senate
Policy

YRC program
– growth in
enhanced
research
positions

Homelessness
– Canadian
Observatory
on
Homelessness
based at York

Development
of ADERSIM-
Advanced
Disaster,
Emergency
and Rapid-
response
Simulation

Engineering
now in focus
(Lassonde
Strategic
Research
Plan)

CFREF
success –
VISTA- Vision
: Science to
Applications

New
directions in
Global
Health –
Dahdaleh
Institute for
Global
Health
Research

Recruitment
of CIHR
Institute of
Population
and Public
Health
(IPPH)

Strategic Research Plan

Mapping Progress to Strengths

Advancing Fundamental Discovery

- York is a research output leader among Ontario institutions for arts & humanities publications

Analyzing Cultures & Mobilizing Creativity

- Leading the development of performance art through digital media through the Motion Media Studio @ Cinespace

Building Healthy Lives & Communities

- Leading new directions in global health research focused on social engagement and global health governance

Exploring the Frontiers of Science & Technology

- York is a global publication leader in fields of disease modeling and epidemics, and vision research

Forging a Just & Sustainable World

- York is a national leader in SSHRC Partnership grants

Integrating Entrepreneurial Innovation & the Public Good

- York is no.1 among Ontario institutions for research impact in business, management & economics, econometrics & finance

Strategic Research Plan

Mapping Progress to Opportunities

Digital Cultures

- Established Sensorium: The Centre for Digital Arts & Technology

Engineering Research That Matters

- York's Planetary Exploration Instrumentation Laboratory led Canada's contribution the instrumentation of NASA's OSIRIS-Rex mission to the asteroid Bennu.

Healthy Individuals, Healthy Communities and Global Health

- FedDev Ontario awards \$15M to York to develop new patient-centered health technologies

Public Engagement for a Just and Sustainable World

- Establishment of the Lillian Meighen Wright Centre in York's EcoCampus in Costa Rica, a hub for education and research on Neotropical conservation and eco-health

Scholarship of Socially Engaged Research

- Increasing capacity, maintained SSHRC Partnership leadership, however have not hired dedicated scholars or developed ORU/ ORU-like support network

What do the numbers say.....

York's National Rankings:

Source: RESEARCH Infosource

	2010/2011	2011/2012	2012/2013	2013/2014	2014/2015	2015/2016
Publication Rank	#19	#19	#19	#19	#19	(November 2017)
Publication Intensity	#33	#34	#30	#31	#28	
Research Funding	#22	#22	#21	#21	#21	
Research Funding Intensity	#38	#37	#39	#34	#35	

← SRP 2013-2018 →

York University Publications

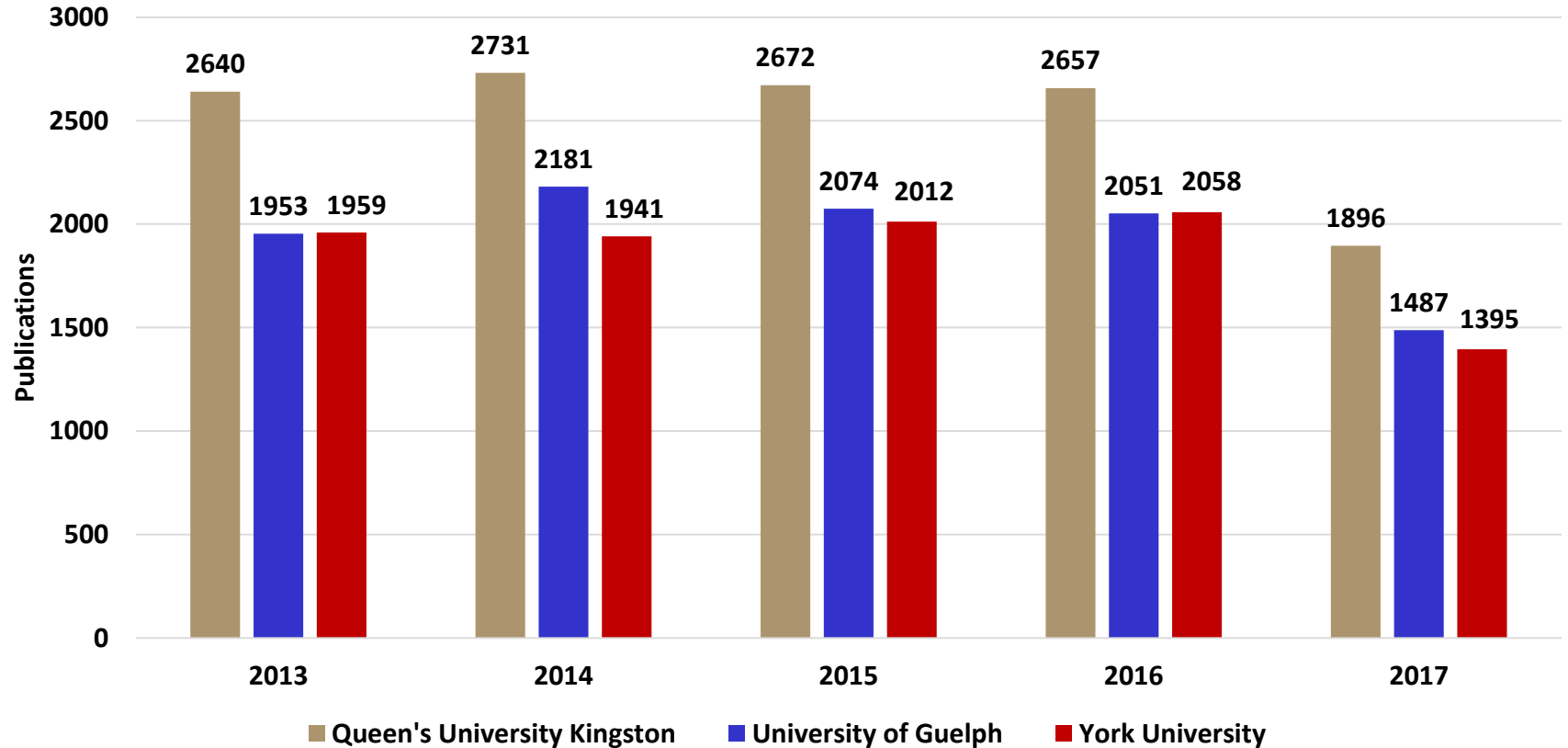
Source: Scopus data

Year Range 2012 to >2017

Publications	Citations	Authors	Field-Weighted Citation Impact (1.50 Canada)	Citations/ Publication (7.6 Canada)
Ottawa				
25,329	203,818	13,071	1.58	8.0
Western				
23,256	196,494	13,371	1.59	8.4
Waterloo				
22,995	167,309	9,992	1.55	7.3
Queens				
15,237	110,272	8,170	1.50	7.2
York				
11,343	79,842	5,113	1.51	7.0

Scholarly Outputs- Publications

Source: SciVal (2013-2017)



Other Products of Scholarship & Creative Activities

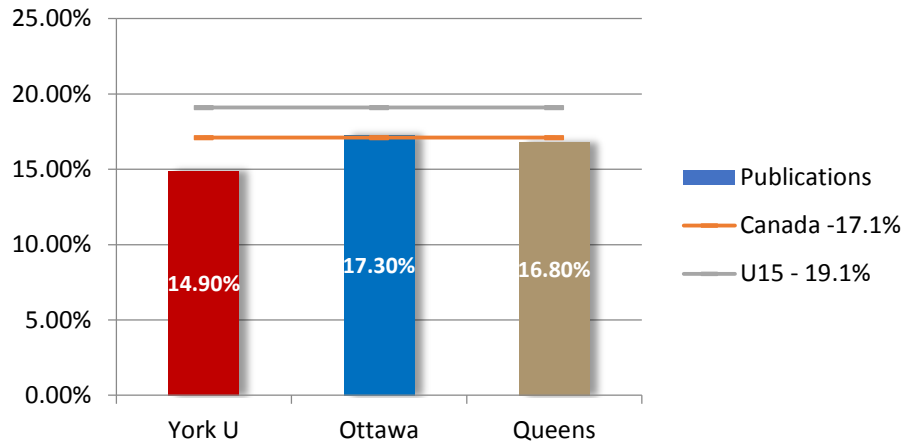
- Creative Activity
 - eg: 2016 Media Architecture Summit (MAS2016) presented by AMPD and Sensorium: Centre for Digital Arts and Technologies
 - AMPD Artists at Nuit Blanche
 - AMPD talent at TIFF
 - AGYU receives major awards for exhibitions, publication design and writing from Ontario Association of Art Galleries (OAAG)
- Books- York continues to be a leader in disciplines where books are the primary form of scholarship
- Video & Web related outputs
- In development – reliable altmetrics



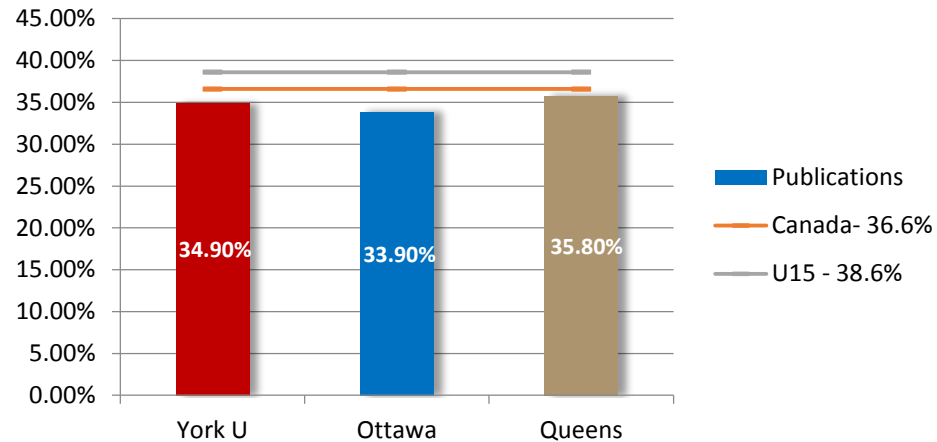
Publication Performance Indicators

Source: Scopus data (2012- 2017)

Publications in Top 10% Most Cited Worldwide



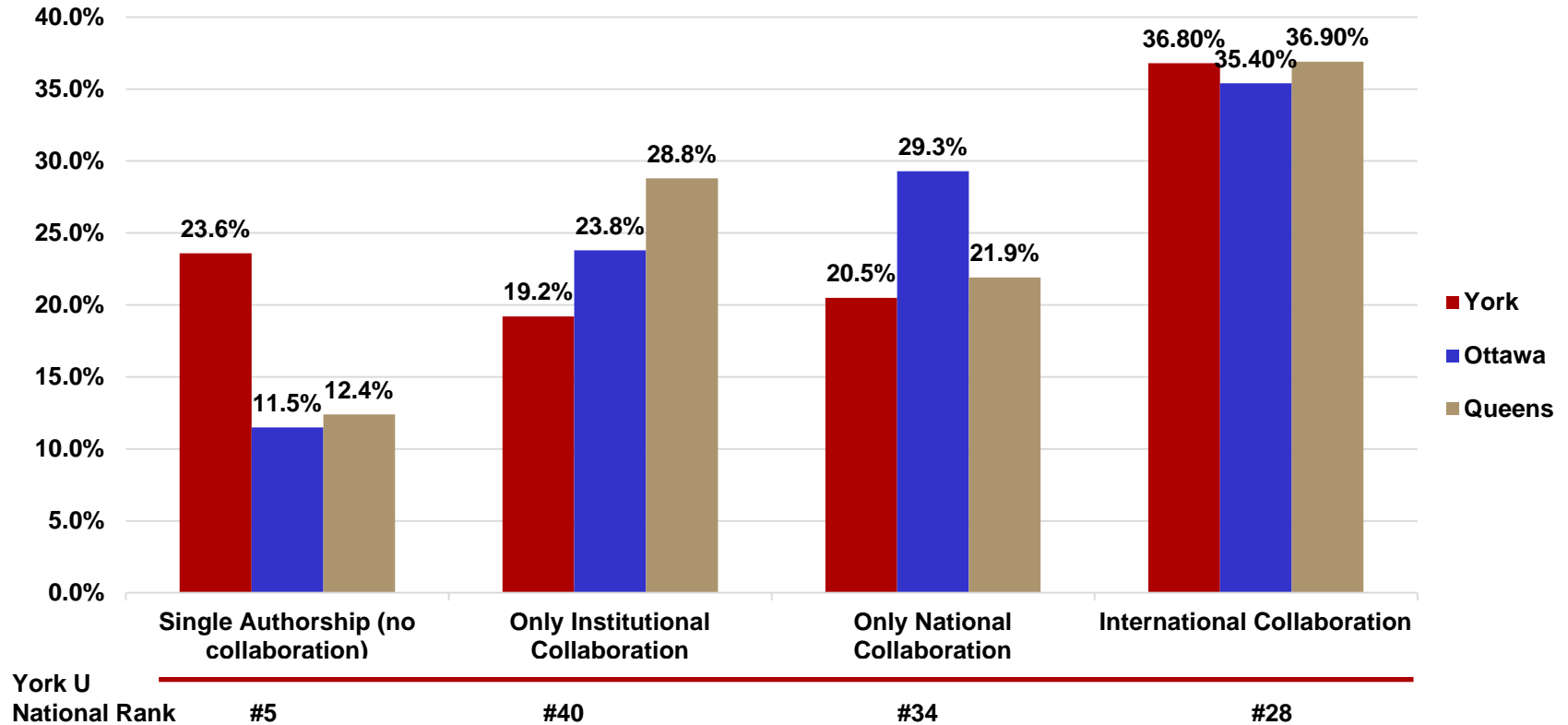
Publications in Top 10% of Journals*



*Source CiteScore- measures the citation impact of serial titles such as journals. CiteScore calculates the average number of citations received in a calendar year by all items published in that journal in the preceding three years. The calendar year to which a serial title's issues are assigned is determined by their cover dates, and not the dates that the serial issues were made available online.

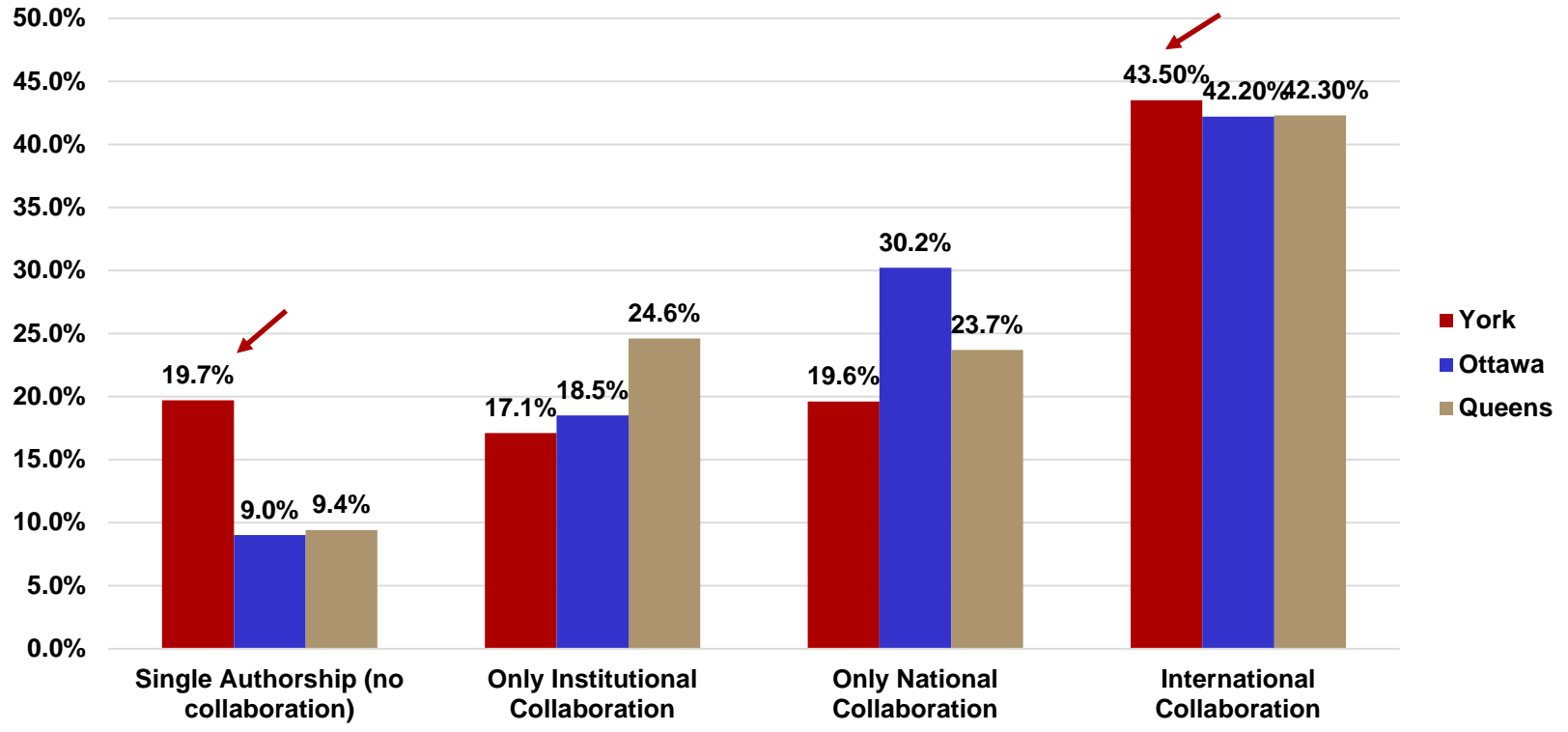
Publications by Amount of National, Institutional Collaboration and Single Authorship (2008- 2012)

Source: SciVal



Publications by Amount of National, Institutional Collaboration and Single Authorship (2013- 2017)

Source: ScivAI



York U
National Rank

#5

#41

#40

#24

Areas Where York's Research is Internationally Recognized

Source: SciVal data

The SciVal publication database identifies “competencies” as interdisciplinary areas of research strength where York is a global leader.

Distinctive competency means it is a significantly large field of research

Within competencies 3 Leadership criteria are tracked:

“Publication” Leader- high publication output with a larger fractionalized publication count than any other institution in that field.

“Reference” Leader- larger number of highly cited publications than any other institution in that field.

“Innovation” Leader- the recentness of cited publications

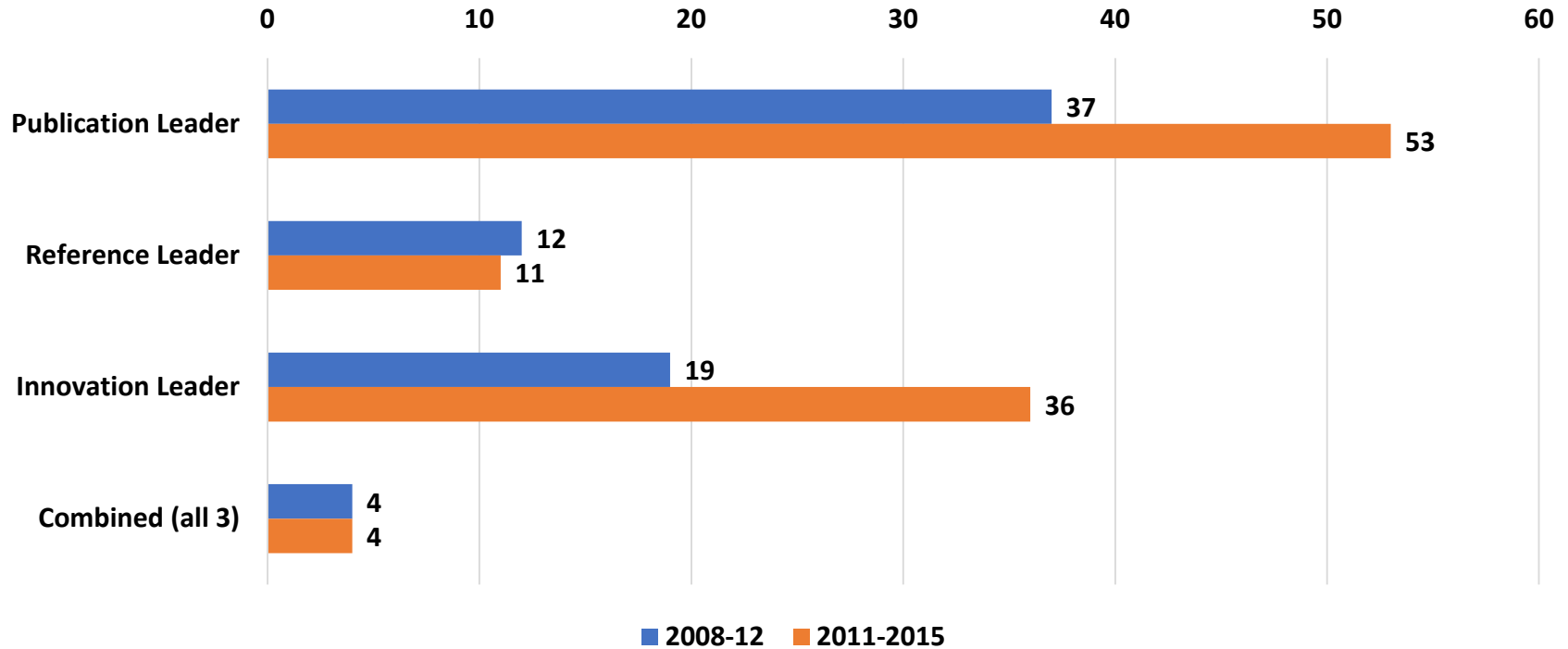
Distinctive Competencies must satisfy leadership criteria

Emerging Competencies may or may not include a recognized leadership criteria



Competency Comparison- Leadership- York

Source: SciVal (based on publications)



Sample of Competencies in Computer Science- York (2011-15)

Source: SciVal

Distinct/ Emerging Area	Keywords/ Areas	Subject(s)	Leadership
Distinct Area	computer game; playing; Conceptual design, Human- Computer Interaction, Industrial and Manufacturing Engineering	Social Sciences /Engineering / Computer Science	Publication & Innovation Leader
Distinct Area	Virtual reality; Display devices; Human computer interaction	Computer Science	Publication Leader
Emerging Area	Cloud computing; Clouds; Applications	Computer Science	Publication Leader
Emerging Area	Attention; Saccades; Eye Movements, Sensory Systems; Electrical and Electronic Engineering	Engineering /Neuroscience /Psychology /Computer Science	Publication Leader

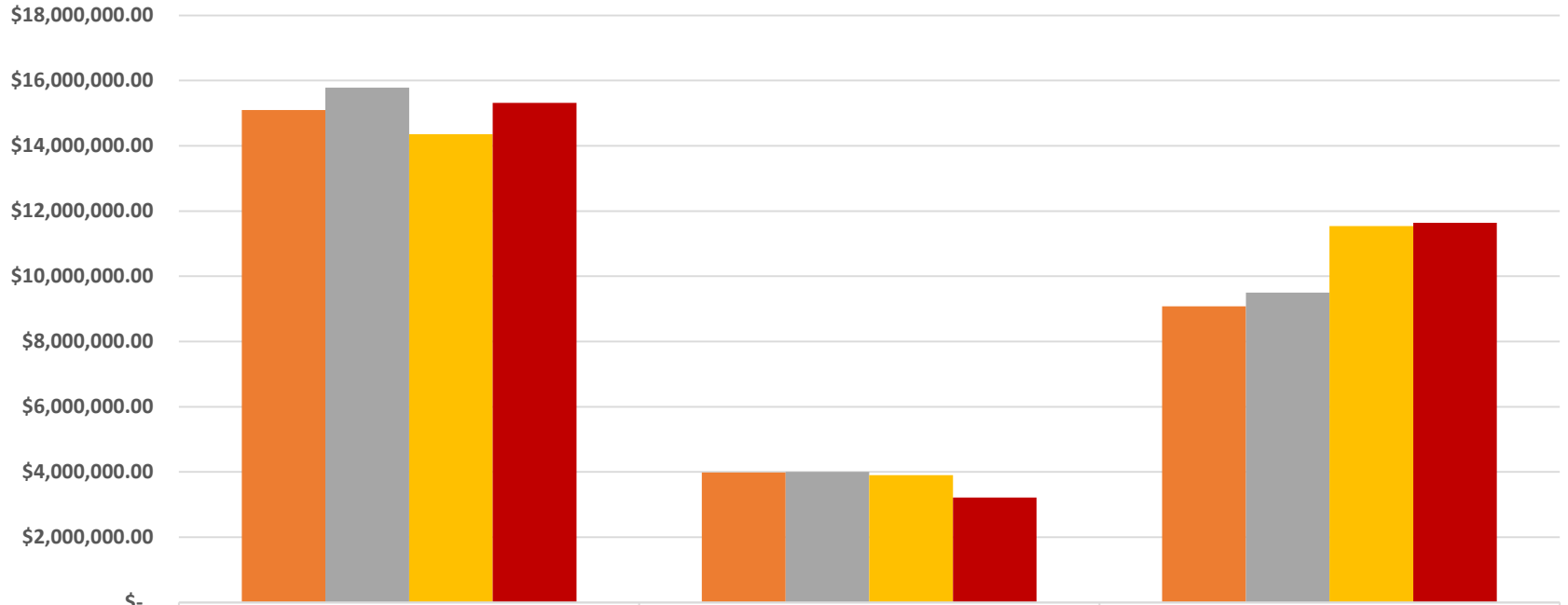
Sample of Competencies in Social Science- York (2011-2015)

Source: SciVal

Distinct/ Emerging Area	Keywords/ Areas	Subject(s)	Leadership
Distinct Area	Development; suburb; Canada, Sociology and Political Science ; Geography, Planning and Development	Social Science	Publication, Reference & Innovation Leader
Distinct Area	media; translation; news,	Social Sciences /Arts & Humanities /Psychology	Publication & Innovation Leader
Distinct Area	Adolescent; Pregnancy in Adolescence; Depression, Psychiatry and Mental Health; Developmental and Educational Psychology	Social Sciences /Medicine /Arts & Humanities /Psychology	Publication Leader
Emerging Area	disability; people; Disabled Persons	Social Sciences /Medicine /Arts & Humanities	Publication Leader
Emerging Area	Human rights; international law; Corporations	Social Sciences /Business Management	Publication Leader

York Tri-Council Research Funding

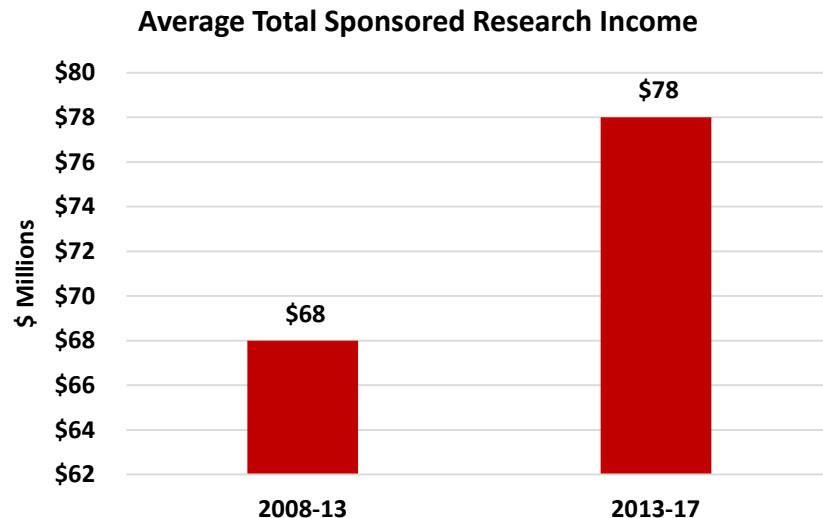
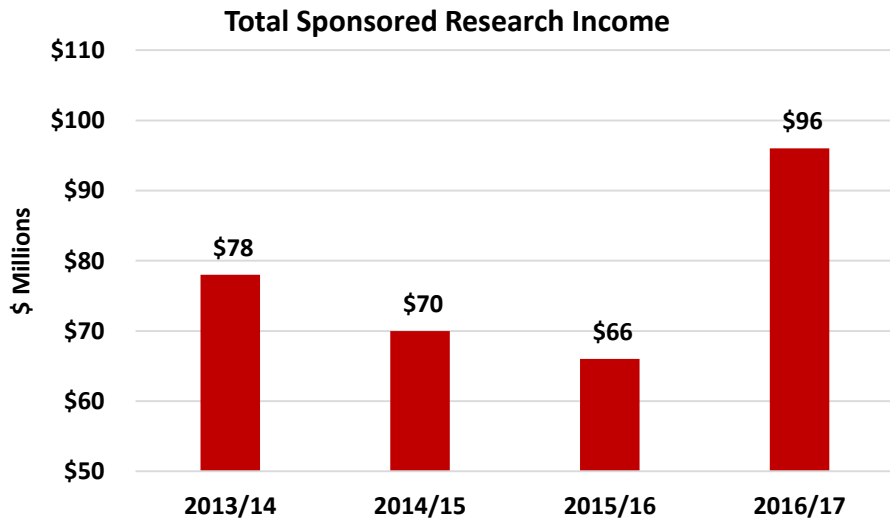
Source: Common University Data Ontario



	SSHRC	CIHR	NSERC
2012-13	\$15,100,906.00	\$3,989,854.00	\$9,082,508.00
2013-14	\$15,779,941.00	\$4,005,073.00	\$9,502,615.00
2014-15	\$14,359,594.00	\$3,907,623.00	\$11,536,305.00
2015-16	\$15,313,239	\$3,214,889.00	\$11,636,747.00

York's Sponsored Research Income

Source: RESEARCH Infosource

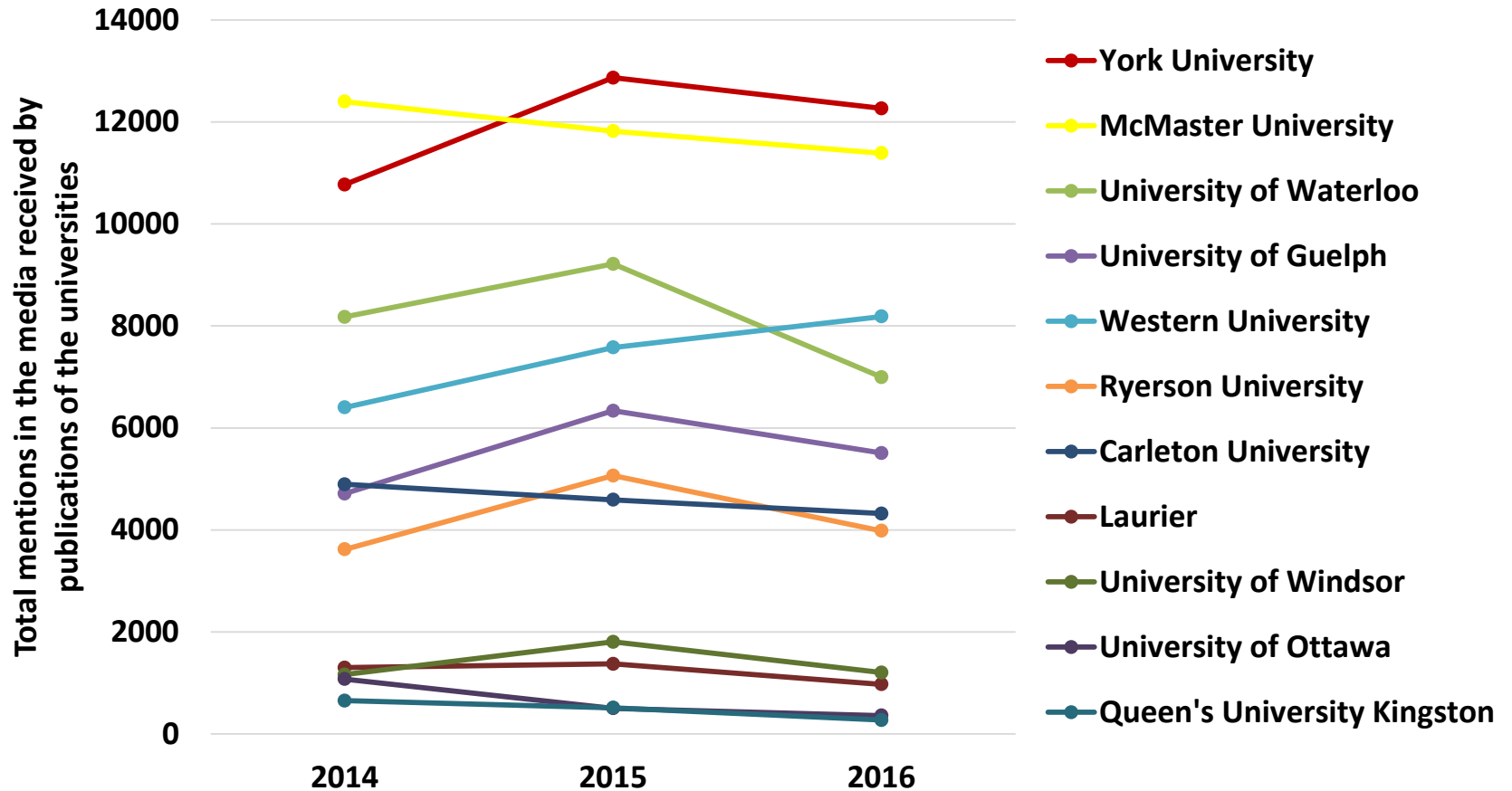


- **Sponsored research income: includes all funds to support research received in the form of a grant, contribution or contract from all sources (internal and external) to the institution.**

A Beginning for Altmetrics

Mass Media- Online Mentions- York

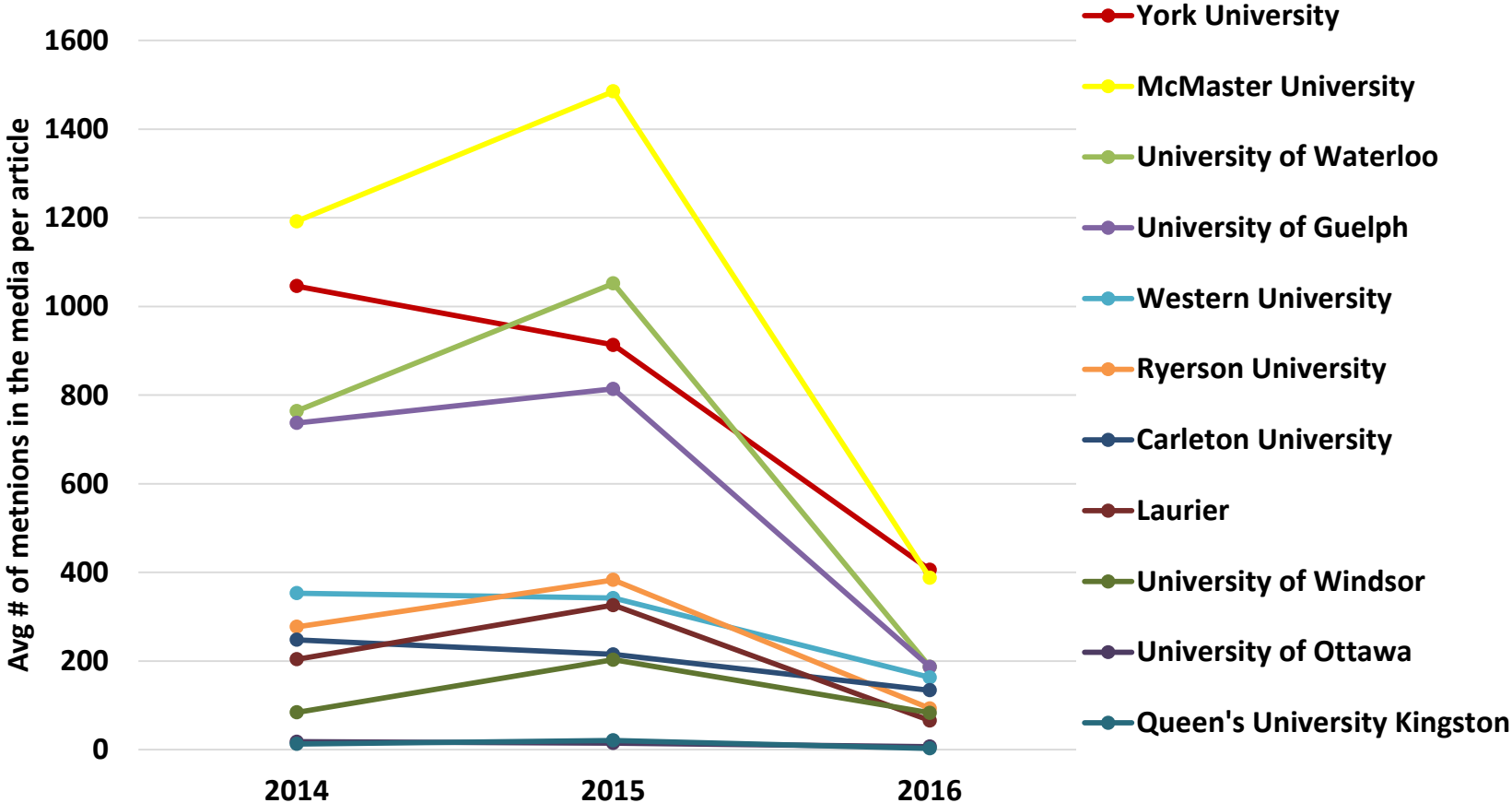
Source: SciVal



*UofT removed from graph

Media Exposure Print Mentions- York

Source: SciVal



*UofT removed from graph

Other considerations for SRP 2018-2023...

Strategic Research Plan

What is the Impact of York U Markham Campus on SRP?

Fall 2021

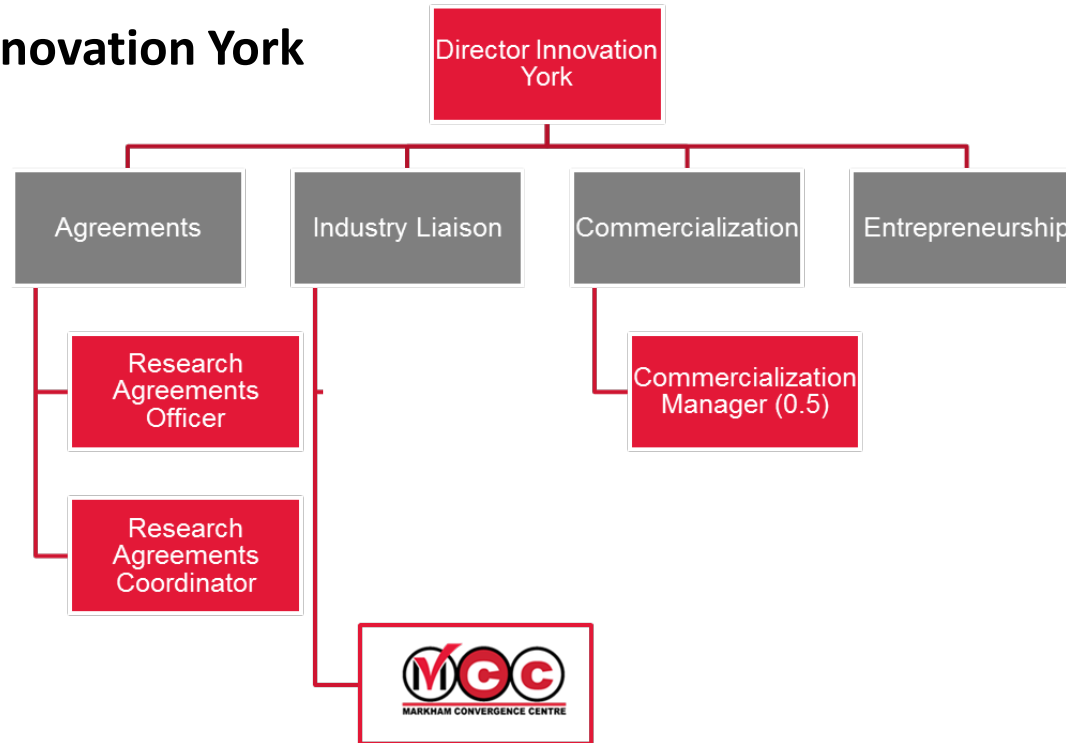


Impact of New Developments on Keele Campus

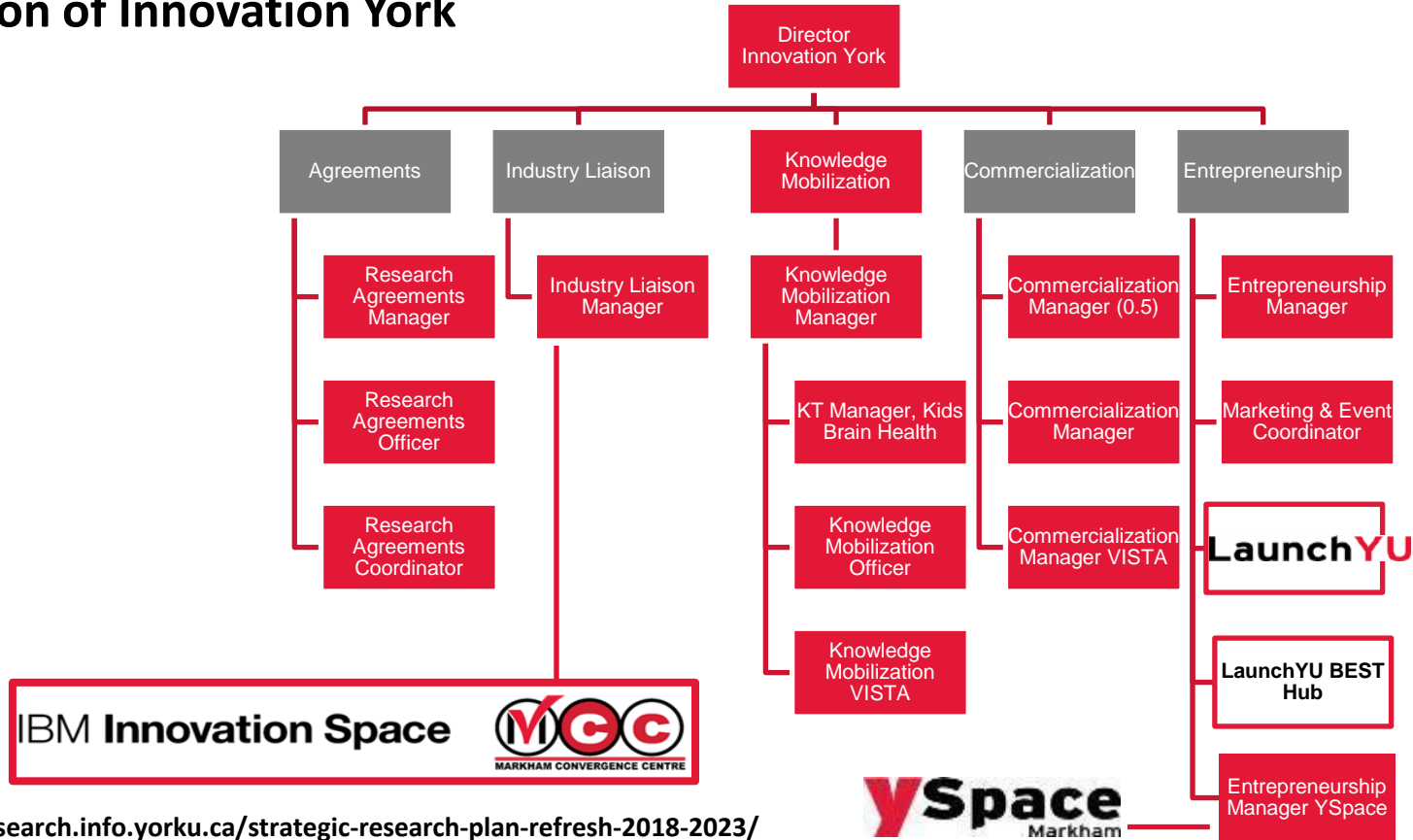
- Subway Opening (2017)
- Science Refresh (2018)
- Schulich Expansion (2018)
- Engineering II (projected)
- Sherman Expansion (projected)

What does the Evolution of Innovation and Entrepreneurship at York Mean for the SRP?

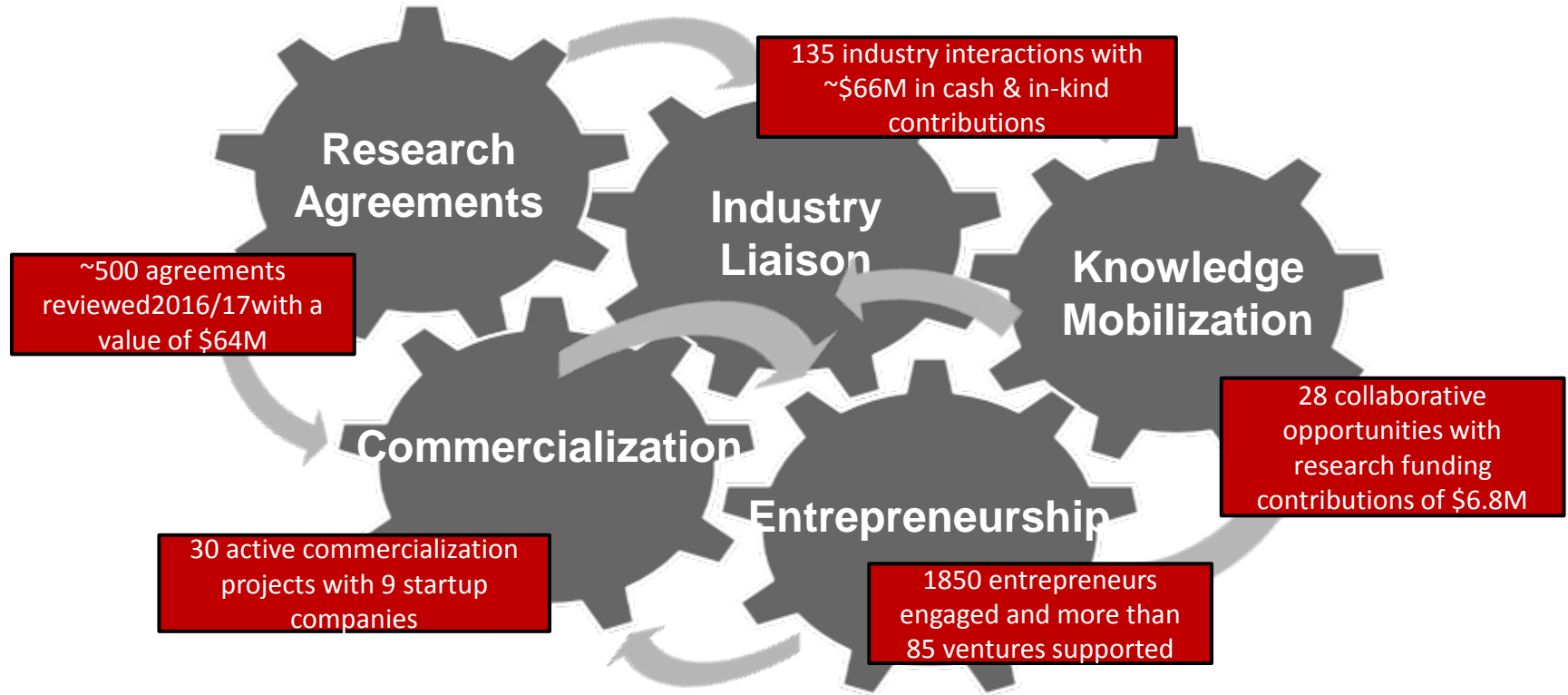
Evolution of Innovation York 2012



Evolution of Innovation York 2017



Strategic Research Plan Progress to Date



And now for your Input.....

Does the format of the current SRP serve us well?

- Comprehensive Research Strengths
- Opportunities for the Development of Research
- Commitments to the Support of Research
 - (research intensification)
- Integration of Research in Education
- Supporting the Transition of the Results of our Research into Action
- Other areas?

Do the Areas of Comprehensive Research Strength Need to be Adjusted?

- Advancing Fundamental Discovery
- Analyzing Cultures & Mobilizing Creativity
- Building Healthy Lives & Communities
- Exploring the Frontiers of Science & Technology
- Forging a Just & Sustainable World
- Integrating Entrepreneurial Innovation & the Public Good

Are Opportunities Still Relevant and how can Their Description be Improved?

- What if any new Opportunities should be highlighted?
 - Digital Cultures
 - Engineering Research That Matters
 - Health Individuals, Healthy Communities & Global Health
 - Public Engagement for a Just and Sustainable World
 - Scholarship of Socially Engaged Research

Other Thoughts, Ideas and Feedback?

Next Opportunities for Input

Fall 2017

- Community Feedback Sessions
 - Series of unstructured feedback sessions across the University to discuss SRP development with the VPRI
 - October 30th, 9am-10:30am, 956 Kaneff Tower
 - November 13, 10:30am-12pm, 402 HNES
 - November 15, 1pm-2:30pm, 286C Winters College
- Faculty Feedback
 - Members of the SRP Advisory Committee will host sessions in their respective Faculty within the fall term, supported by VPRI and their ADR

Next Opportunities for Input

Fall 2017

- Continued consultations with Advisory Bodies
 - VPRI presentations and engagement of Senior Advisory Bodies throughout the fall term
- Graduate Student council engagement- VPRI meeting with FGS Faculty Council and arranging a post-doc feedback session
- **Online Engagement:** SRP website found on Research & Innovation site:
<http://research.info.yorku.ca/strategic-research-plan-refresh-2018-2023/>
Regular updates on SRP planning and consultation activities.
Online feedback is also solicited, welcomed and accessible -SRP portal:
<http://research.info.yorku.ca/share-your-thoughts>