

**COUNCIL COMMITTEE ON RESEARCH  
AGENDA**

January 6, 2017, 2:30-4:30 pm  
AH 527

	<b>Agenda Items</b>	<b>Materials</b>
1	Introductions	
2	Approval of Agenda	
3	Approval of the Meeting Minutes of October 28, 2016	<i>Appendix A</i>
4	Chair's Report (Joan Wagner) a. Chris Yost New Research Centre	
5	Vice-President (Research) Report (D. Malloy) a. BOG and Dashboard – attached for information	<i>Appendix B</i>
6	NSERC RTI (Sally)	<i>Appendix C</i>
7	JELF – Revisions (Sally)	<i>Appendix D</i>
8	CERC – Canadian Excellence Research Chair	<i>Appendix E</i>
	Other Business	
	Adjournment	

<b>CCR Sub-Committees</b>	
Standing - CFI - NSERC Research Tools and Instruments - Research Trust Fund/Sabbatical Research Grant	Ad-hoc - CERC - Research Space Allocation - Terms of Reference

<b>Distribution</b>	
Dave Malloy, VPR Dena McMartin, AVP Thomas Bredohl, Graduate Studies and Research Sally Gray, Director of Research Office Nilgun Onder, Arts Ron Camp, Business Administration Ken Montgomery, Education Amr Henni, Engineering & Applied Science Kathleen Irwin, Media, Art, and Performance Darren Candow, Kinesiology & Health Studies Glenn Donnelly, Nursing Cory Butz, Science	Miguel Sanchez, Social Work Cara Bradley, Library Katherine Arbuthnott, Campion College Andrew Miller, First Nations University of Canada Mary Hampton, Luther College Christian Riegel, Director HRI Chris Somers, CRC Rep. Raymond Blake, Council Member - Arts Joan Wagner, Council Member -CHAIR , Nursing Rubina Khanam, GSA Denise Stilling, Council Member - Engineering & Applied Science

## COUNCIL COMMITTEE ON RESEARCH

Minutes of the Meeting of  
October 28, 2016 (ADHUM 527 Boardroom)

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**Present:** J.Wagner (Chair, Nursing), T.Bredohl (FGSR), M.Hampton (LU), S.Gray (Research Office), N.Onder (AR), D.Malloy (VPR), C.Bradley (LI), K.Montgomery (ED), C.Riegel (HRI), G.Donnely (NU), D.Stilling (Council Member), K.Arbuthnott,(CM), R.Camp (BUS)

**Resource:** P.Splett (Research Office), recorder

**Regrets:** Dena McMartin (AVPAR), R.Idem (EN), M.Sanchez (SW), , A.Miller (FNUniv), K.Irwin (FA), R.Khanam (GSA), D, Candow (KIN), C. Butz (SC), C.Somers (CRC), R. Blake (AR-Hist)

### 1. Introductions

### 2. Approval of Agenda

Montgomery/Arbuthnott – *moved approval of the agenda* CARRIED

### 3. Approval of the Minutes of September 12, 2016

Onder/Montgomery – *moved approval of the minutes with revisions.* CARRIED

### 4. Chair's Report (J.Wagner)

- a. Research Impact Report  
Document was approved at the Executive Council meeting held September 28, 2016. Presented to faculties. Nursing/Ed/Arts interested in the Research Impact Report.
- b. Strategic Research Plan  
Document was approved at the Executive Council meeting held September 28, 2016 and approved at Senate.
- c. Call for volunteers to adjudicate 1 Trust Fund Application  
Ken Montgomery/Nilgun Onder/Christian Riegel

### 5. VPR Report (D.Malloy)

- a. CRC Report – Update  
There were 7 proposals put forward. The adjudication committee has made a recommendation that will be released after final approval.
- b. SaskPower Chair – Update  
Approved at Executive Council and Senate.  
This will be advertised once it goes to Board of Govenors.
- c. FulBright (2 Scholarships) – Guidelines for awarding  
Looking at the process to award. These are opportunities for US scholars to visit the University of Regina. Once finalized, the guidelines will be circulated.

d. **Tri-Lateral Conference – Information**

Delegates from the United States and Mexico were here at the University of Regina discussing research on Carbon Capture.

Outcome: Mexican Government sending more graduate students to the U of R to study. Delegates toured Boundary Dam.

**6. New Faculty-based research institute – Chris Yost**

- Proposal needs 2 small changes in order to be sent to the next Executive Council meeting.
  - Type A and Type II to be changed to Faculty Based in the recommendation letter and proposal.
- This institute has been informally running for several years. This proposal will formalize its existence.
- The institute will be able to apply for more grants and partnership grants.
- Risks are minimal for this new institute since everything is already in place and there are no fixed costs.
- Policy on membership to be reviewed.
- All CCR members supportive of this new institute.
- Motion that CCR recommends this go forward to Executive Council with revisions.
- Arbuthnott/Bredohl – *moved to recommend the establishment of the new institute “Institute for Microbial Systems and Society” (IMSS)* **CARRIED**  
Going forward to next Executive of Council on November 23, 2016.

**7. CFI – JELF allocation – Revised proposal (S. Gray)**

- Revision on classification of Junior Faculty.
- Nilgun suggestion to classify: 3 Groups
  - CRC
  - Senior - existing U of R Faculty or Tenured Faculty not holding a CRC
  - Junior – pre-tenure/tenure track faculty
- Sally to make changes and bring back to the table next meeting.

**8. Application Deadlines (S. Gray)**

- Late grant submissions to the Research Office doesn’t give the facilitators enough time to review before submitting it.
- Discussion
- Results:
  - Create a policy to formalize and communicate this to researchers regarding the risk factors to the University of Regina.
  - Revise the Funded Research Approval Form
  - Sally will start working on policies and practices that may help Deans and Associate Deans Research.

**9. Long-Range Planning for Major Initiatives (D. Malloy)**

- Major domestic and international – 3 to 5 year research opportunities.

- General ideas from Associate Dean's Research meeting and bring back to CCR.
- With much of the ground work done with CFREF – smaller initiatives can be broken out.
- More long range planning around the faculties yearly plans.

#### **10. McLean's Rankings (D. Malloy) (S. Gray)**

- Overall we have dropped from 12<sup>th</sup> place to 13<sup>th</sup> place.
- NSERC/CIHR increased from 15<sup>th</sup> place to 14<sup>th</sup> place.
- Positive Actions
  - Mentorship Program (B. Flynn Research Office)
  - Networking events
  - Facilitator going to the faculties
- Negative Actions
  - Researchers unwilling to submit after being denied
  - Faculty need to see the value of submitting.
- Other incentives
  - Acknowledge Research Grant applications in Arts.
  - Encourage those that apply and did not get funding.
  - Junior scholars to speak with others.
  - Work with incoming faculty members.

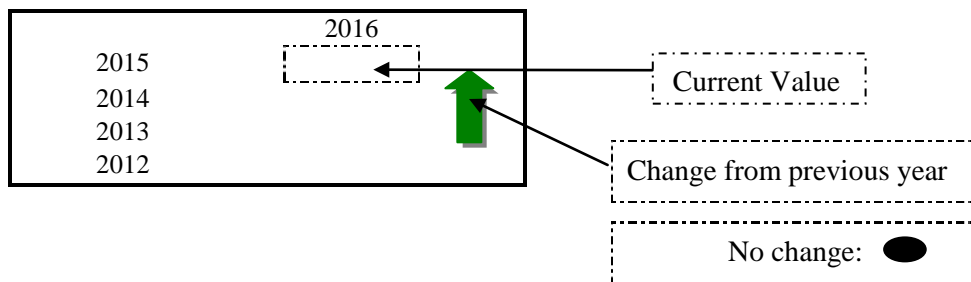
#### **12. Adjournment**

Montgomery/Stilling – *moved to adjourn.*

# University of Regina 2<sup>nd</sup> Quarter Dashboard

## Research Data Only: December 12, 2016 with data as at October 31, 2016

**Legend:**  
**Green = Better**  
**Magenta = Worse**  
**Grey = Neutral**



### RESEARCH (MID-YEAR)

#### **[Number of] Research Grants Awarded**

		2016/17	
2015/16	37	41	↑
2014/15	33		
2013/14	51		
2012/13	45		

Source: Research Office

#### **Research Grants Awarded (\$)**

		2016/17	
2015/16	3,455,108	4,321,975	↑
2014/15	1,956,505		
2013/14	4,401,389		
2012/13	4,266,345		

Source: Research Office

#### **Contracts Signed (\$)**

		2016/17	
2015/16	877,661	1,538,276	↑
2014/15	105,857		
2013/14	1,313,490		
2012/13	1,751,505		

Source: Research Office

#### **Tri-Council Funding Awarded (\$)**

		2016/17	
2015/16	1,182,824	2,023,212	↑
2014/15	1,071,946		
2013/14	2,877,247		
2012/13	1,527,464		

Source: Research Office

#### **Research Funding Awarded – All Sources (\$)**

		2016/17	
2015/16	4,332,769	5,860,251	↑
2014/15	2,062,362		
2013/14	5,714,879		
2012/13	6,017,850		

Source: Research Office

## UNIVERSITY OF REGINA

Board of Governors

Item for Information

**Subject:** Report on Research at the University of Regina

***1. Status report on the response to the Provincial Auditor's Report on Research at the University of Regina (PARR) (until implementation is complete)***

Policy revisions are still in process. The Research Office is working with Human Resources to make sure that policies under review are consistent with the collective agreements on campus.

The Request for Proposals for the Grant Management System was released on August 30. Short-listed vendors gave presentations on campus in October. The selection team is considering information presented and questions raised through the RFP process and hopes to have a decision by the end of December 2016.

Review committees and meeting dates are being arranged for research centre reviews (Clean Energy Technology Research Institute, Humanities Research Institute, Saskatchewan Instructional Development and Research Unit).

***2. Report on the status of action plans to actualize the Strategic Research Plan identified in response to PARR Recommendation 4***

Strategic Research Plan. The Strategic Research Plan (SRP) 2016-2021 was recommended for approval by the Council Committee on Research (CCR) on September 12. Executive of Council and Senate approved the SRP on September 28 and October 21, respectively. It is presented to the Board of Governors for information at this meeting (December).

Implementation Planning. The Office of the Vice-President (Research) is creating a multi-year plan for research-related implementation of the University's strategic plan and the Strategic Research Plan 2016-2021. Discussions on similar plans have begun with the University's research centres and institutes and Faculties.

## Report on Research at the University of Regina

**3. Performance measures with respect to the Strategic Research Plan identified in response to PARR recommendation 5: data for each measure, identification of targets, progress with respect to the targets.**

#	Strategic Priority/Strategic Theme	Performance Measure	Performance Measure Definition	2015-16 Final	2016-17 Target	2016-17 Dec
5	Research Impact/Sustainability	Tri-Council & Other Provincial/Federal Grants	Total number of tri-council, Canada Council, and other provincial/national funding agency/foundation grants currently held by faculty	195	210 awards	217 <sup>1</sup>
6	Research Impact/Sustainability	Research Revenue	Total research funding (contracts and grants) earned from all sources, including awards made directly by Canada Council and other agencies/foundations	\$18.3M	\$22M	\$3.0M
7	Research Impact	Normalised Citation Impact (NCI)	The NCI measures the quotient of an observed citation rate or impact of an institution and an expected citation rate for the institution or country.	1.46	1.65	1.57 <sup>2</sup>
8	Research Impact	International Collaboration	The proportion of total publications co-authored with researchers outside of Canada. Data obtained from l'Observatoire des sciences et des technologies' (OST) Canadian bibliometric database. Calculated over a multi-year period (2010-14).	55%	56%	55% <sup>3</sup>

<sup>1</sup>Includes 15 Canada Council and other provincial/national funding agency/foundation grants.

<sup>2</sup>Note – NCI (2008-2014) for UofS, York, Carleton, Memorial, Concordia, UofR, UNB, and Windsor. UofR NCI was highest among these universities for impact factor and % cited. This was across all research disciplines.

<sup>3</sup>UofR ranked highest among the following: Brock, Carleton, Concordia, Memorial, Ryerson, Simon Fraser, UQAM, Guelph, UNB, UofR, Waterloo, Windsor, Wilfrid Laurier, Victoria, and York.

A report showing research revenue received produced annually by Financial Services for the Canadian Association of University Business Officers (CAUBO) is provided in Appendix 1.

## Report on Research at the University of Regina

**4. Research highlights since the last report: funding, awards, recognition, major publications, partnerships, etc.**

- “Vulnerability and Adaptation to Drought: The Canadian Prairies and South America” is a new book co-edited by U of R Sociology and Social Studies faculty members Harry Diaz, Margot Hurlbert, and Jim Warren. The book examines the strategies Prairie communities in the North and South are employing to reduce their vulnerability to drought and adapt to changing climate conditions. The book resulted from an international research project called VACEA – Vulnerability and Adaptation to Climate Extremes in the Americas under the co-direction of David Sauchyn (Geography) that concluded in August 2016. The five-year project looked at how rural communities in Argentina, Brazil, Chile, Colombia and the Canadian prairies are affected by extreme weather. Other U of R researchers on the project team were Amber Fletcher, Dena McMartin and Joe Piwowar.
- Mauricio Barbi (Physics) and Roman Tacik (adjunct professor of physics and a research scientist for TRIUMF) along with graduate students Paul Ostlund and Juan Pablo Velasquez are part of a global team of researchers that has broken new ground in the study of neutrinos. The U of R team is taking part in the so-called T2K experiment involving more than 400 physicists from dozens of institutions in 11 countries. The Canadian T2K team consists of 40 scientists from eight institutions including the University of Regina. The most recent results from the T2K experiment were presented at the 38th International Conference on High Energy Physics in Chicago. Previous T2K results have already determined some of the neutrino oscillation properties to which the T2K collaboration was awarded with the 2016 Physics Breakthrough Prize.
- A symposium called “The Smart Grid and the Evolution of the Power System” presented by the South Saskatchewan Section of the Institute of Electrical and Electronics Engineers (IEEE) was held in September at the U of R. Raman Paranjape (Engineering and Applied Science) was one of the conference organizers and a speaker. The symposium featured other speakers from the U of R as well as the University of Saskatchewan, University of Toronto and SaskPower.
- The Laboratory for Behavioural Business Research opened in September 2016. The research facility allows business researchers to find out more about consumer attitudes, behaviours and emotions. The laboratory was made possible by contributions totalling \$417,718 from the Canada Foundation for Innovation John Evans Leaders Fund (CFI-JELF), the Province of Saskatchewan through the Innovation and Science Fund, the Faculty of Business Administration, and participating vendors.
- Carmen Roberston (Visual Arts) discussed her new book “Mythologizing Noval Morrisseau: Art and the Colonial Narrative in the Canadian Media” at a public event hosted at the U of R in September. Morrisseau’s works are famous for their vibrant colours and Indigenous subject-matter.
- In September, the University launched *Discourse*, a research magazine that focuses on the impact that University researchers are making in the lives of Canadians as well as those around the world. The new, bi-annual publication features research projects by faculty, staff and students.
- The artistic movement known as German Expressionism was featured in “The Art of Expressionism Speaker Series” held at the U of R in September and October. Christina Stojanova (Faculty of Media, Art and Performance) was an organizer. The multi-date



## Report on Research at the University of Regina

- series included speakers from the U of R and one from the University of Winnipeg.
- Sandra Zilles (Computer Science) was named one of the top young scholars in Canada and is one of 80 incoming members of the Royal Society of Canada's College of New Scholars, Artists and Scientists. Zilles holds a Canada Research Chair in Computational Learning Theory.
  - Yasser Morgan (Faculty of Engineering and Applied Science) and team of researchers have developed an app store specifically for first responders. The system is developed to provide access to a secure pool of applications running on mobile devices for the exclusive use of first responders. The research is related to the work done at the U of R under the BRiC program (Bridging Research and Interoperability Collaboration). The BRiC initiative is focussed on improving technology for use by first responders. The research has been made possible thanks to the collaboration between the University of Regina and the Mitacs Globalink Research Internship.
  - In October, the School of Journalism graduated its first Master of Journalism students: Joshua Campbell, Sasha-Gay Lobhan, Alina Perrault, and Virginia Wright. Documentaries from the four graduating students were featured at the Master of Journalism Project Showcase hosted at the U of R.
  - Mark Anderson (Luther) published "Holy War: Cowboys, Indians, and 9/11" (U of R Press), his sixth book. In it, Anderson examines the US response to the 9/11 terror attack as a continuation of American imperialism.
  - Indigenous-centred research was the focus of a one-day event held on the main campus at the University of Regina in October. Indigenous Research Day featured original work by faculty, staff, students and community members who shared research that showcases or is inspired by significant Indigenous content. Indigenization is an overarching theme in the University's 2015-2020 Strategic Plan, *peyak aski kikawinaw*.
  - The U of R in collaboration with The International CCS Knowledge Centre, Petroleum Technology Research Centre and SaskPower hosted the North American Trilateral Carbon Capture, Utilization Storage Workshop in October. The workshop featured delegates from Canada, Mexico and the U.S. representing industry, government and academic institutions. Several researchers from the U of R's Faculty of Engineering and Applied Science took part in the workshops and shared their research expertise. Other participants included representatives from the Federal Commission of Electricity in Mexico; the U.S. Department of Energy, U.S. Carbon Capture Center and locally from SaskPower, Petroleum Technology Research Centre and The International CCS Knowledge Centre.
  - On Global One Health Day in October, Darlene Chalmers (Faculty of Social Work) and Colleen Dell (University of Saskatchewan) released research results from 2014 pilot study showing that people who participated in mental health and addictions treatment programs involving interactions with horses reported therapeutic benefits in their healing.
  - "Fault Lines: Life and Landscape in Saskatchewan's Oil Economy" is the new book by Emily Eaton (Geography) and Saskatchewan-based photographer Valerie Zink. The book examines the impact of boom and downturn production in the oil towns of Saskatchewan. Through photo and text the book captures the complex social, economic, and environmental realities the oil economy ushers in, and leaves in its wake.
  - Economic and Social Development Canada awarded \$504,241 to Bonnie Jeffrey (Faculty of Social Work) and her team for "The Enhancing Information Access for Rural and

## Report on Research at the University of Regina

Urban Seniors” project. This project will enable seniors in Saskatchewan to access the information they need by working with the Lifelong Learning Centre of Regina to expand accessible information and resources for older adults.

## Appendix 1: CAUBO Report on Research Revenue Received

## Research Revenue Received (in \$000s)

	2011-12	2012-13	2013-14	2014-15	2015-16
Social Sciences and Humanities Research Council (SSHRC)	1,138	1,005	1,064	1,049	1,157
Natural Sciences and Engineering Research Council (NSERC)	3,989	3,258	3,113	3,396	3,251
Canadian Institutes of Health Research (CIHR)	1,473	932	2,104	1,340	772
Canada Foundation for Innovation (CFI)	1,124	995	964	1,252	190
Canada Research Chairs	1,375	1,425	1,575	1,175	750
Other Federal	3,248	3,739	3,153	2,755	5,239
Provincial	2,647	3,552	2,677	2,393	1,834
Municipal	75	31	22		
Other Provinces	191	171	347	225	139
Foreign	580	255	221	234	771
Individuals	74	176	66	60	571
Business Enterprises (Donations)	4,325	307	133	94	106
Business Enterprises (Grants and Contracts)	2,559	4,169	1,987	562	1,199
Not-for-profit Organizations	160	232	451	275	1,173
Miscellaneous	227	422	407	556	457
Total (calculated)	23,185	20,669	18,284	15,366	17,609

Prepared with information from Financial Services

**Report to CCR**  
**Natural Sciences and Engineering Research Council of Canada (NSERC)**  
 October 2016

**Research Tools and Instruments Grant (RTI) subcommittee**

On October 5, 2016, members of the RTI internal review committee, Cory Butz, Amy Veawab, and Justin Longo, met to review applications for the 2017/18 competition. A total of ten applications were submitted for the internal competition. The University of Regina has a quota of 5 applications for the 2017/18 NSERC RTI competition.

Applicant, Co-applicants	Title/Equipment	NSERC Request
<b>RECOMMENDED</b>		
<b>Finlay, K, Simpson, G</b> (SC/BIOL)	<i>Portable Greenhouse Gas Laboratory for Hard-Water and Saline Lakes</i>	\$143,617
<b>Buttigieg, J, Manzon, R</b> (SC/BIOL)	<i>Cell Imaging Station</i>	\$28,466
<b>Jin, Y-C</b> (ENG)	<i>A Particle Image Velocimetry System for Hydraulics Research</i>	\$139,187
<b>Raina-Fulton, R</b> (SC, CHEM/BIOCHEM)	<i>Atmospheric Particle Size Distributions for Assessment of New Atmospheric Transport Pathway of Particle Bound Pesticides</i>	\$55,969
<b>Mehrandezh M</b> (ENG), <b>Gupta, (SFU),</b> <b>Withdrawn*</b>	<i>A Backdrivable and Compliant Arm for UofR/SFU Mobile Manipulator for Human Robot Physical Interaction</i>	\$114,200
<b>Henni, A, Ibrahim, H</b> (ENG)	<i>Measurement of Adsorptive Absorption of CO<sub>2</sub> in a Hybrid Slurry using a High Pressure Sapphire Cell</i>	\$150,000
<b>NOT RECOMMENDED</b>		
<b>Ibrahim, H, Henni, A</b> (ENG)	<i>Structure Characterization Analyzer for Functionalized Materials</i>	\$134,906
<b>Mayorga, R</b> (ENG)	<i>A Platform for Intelligent Human-Complex System Interaction/Interface and Operation</i>	\$36,980
<b>Mehran, B</b> (ENG)	<i>Investigating the Impact of Weather Conditions on Traffic Flow Characteristics and Driver Behavior</i>	\$150,000
<b>Simpson, G</b> (ENG)	<i>A Comprehensive Package of Lake Sediment Coring Equipment for Paleoecological Research</i>	\$83,727

\* Dr. Mehrandezh and Dr. Gupta decided to submit the application with Dr. Gupta and SFU as the lead applicant and organization, respectively. The application of Dr. Henni and Dr. Ibrahim was then selected to forward to the national competition.

## Proposal for CFI John Evans Leadership Fund (JELF) Allocation

### Background

The University has an allocation of \$627,500 for 2017-2020, after \$250,000 was reserved for Canada Research Chairs renewing in 2016 (Huang, Leavitt, Zilles). \$400,000 is available to and managed by First Nations University for 2017-2020 as a separate allocation.

JELF is intended to help institutions attract and retain the very best researchers by offering institutions the opportunity to acquire infrastructure for their leading research faculty to undertake cutting-edge research. It supports infrastructure, and an accompanying Infrastructure Operating Fund grant funds a portion of the O&M costs.

A CFI Sub-Committee of CCR reviews internal proposals and makes strategic decisions regarding usage of CFI envelope. However, in the past, guiding priorities were not explicit and the Sub-Committee made decisions on a competition-by-competition basis. Given the size of the allocation and the potential demands for CFI funding, consideration should be given to providing strategic guidelines for the use of the CFI allocation.

### Considerations

Applicants for CFI grants generally fall into 3 categories:

1. Canada Research Chairs
2. Existing UofR tenured faculty, not holding a CRC
3. Pre-tenure, tenure-track faculty

In the past, it has been difficult for junior faculty to receive an allocation from the Sub-Committee because their records are generally not as strong as those of CRCs or other senior researchers.

Over the next 3 years, the University expects to submit eight CRC proposals, not counting the three renewals being submitted in October, 2016. Of these, four are in NSERC or CIHR disciplines and could reasonably be expected to have equipment needs. It is also quite possible that some or all of the SSHRC-eligible CRCs could need infrastructure.

The University has identified five strategic clusters in the University of Regina's Strategic Plan 2015-2020: "*peyak aski kikawinaw* Together We Are Stronger". Supporting actions within the research impact strategic priority indicate that the university will prioritize research resources and develop new funding partnerships that align with the five strategic research clusters.

### Recommendations

1. The remaining CFI JELF allocation should be divided into three amounts.
  - a. \$263,750 for incoming or renewing CRC holders (category 1 above).
  - b. \$263,750 for existing UofR faculty and incoming recruits appointed with tenure (category 2 above).

- c. \$100,000 for existing UofR faculty and incoming recruits appointed to tenure-track positions (category 3 above).
2. Applications to the CRC allocation (i.e. associated with a simultaneous CRC renewal/new application) will not go to the CFI Sub-Committee of CCR but will be managed through the CRC nomination process. If necessary, discussions about potential allocations would be brought to the Senior Research Team.
3. Applications to the general allocation (i.e. not associated with a simultaneous CRC renewal/new application) must involve more than one principal user.
4. Priority will be given to applications that fit within the five existing research clusters or a recognized emerging cluster.
5. Applications that meet the priorities of points 3 and 4 must also meet standards of excellence expressed by the CFI evaluation criteria:
  - innovative research
  - strength of researcher(s)
  - need for infrastructure
  - training of HQP
  - benefits to Canadians
6. Given the limited funds available, the University should hold one competition only. To include new faculty recruits, the internal call for proposals would be issued in July, 2017 for applications to be submitted in February 2018. Results would be known in time to have a call for any unclaimed funds for the February 2019 competition. Unclaimed funds are possible if, for example, an application is submitted but not approved at CFI.
7. Researchers at First Nations University would not be eligible for an allocation from the UofR allocation.

CERC 2017

The following matrix is intended to assist with identifying / confirming which proposal the University will put forward.

	Energy Security	Operational Stress Injuries / PTSD	Other?
<b>UofR-specific criteria</b>			
<ul style="list-style-type: none"> <li>Strategic relevance to the UofR</li> </ul>	Primarily linked to the Water, Environment and Clean Energy strategic research cluster. Secondary link to Digital Future for the data analytics / modeling component.	Primarily linked to the Anxiety, Stress and Pain cluster with secondary links to Integrated Human Health, Social Justice and Community Safety and Digital Future cluster	
<ul style="list-style-type: none"> <li>“Readiness” (How much work has already been done that can be applied to the submission? Is there a researcher who has the interest and available capacity to contribute to the submission? <i>Is there departmental enthusiasm for the project? Support of dean or research centres?</i>)</li> </ul>	The recent CFREF submission can be used. Also, a study into the feasibility of an energy systems and security hub at the UofR will be completed in advance of the May submission date. A lead researcher to contribute to the submission is t.b.d.	The establishment of CIPSRT and issuing of the Blue Paper along with the pan-Canadian prevalence study and the research proposal for the RCMP longitudinal study set the foundation for the submission. A lead researcher to contribute to the submission is t.b.d.	
<ul style="list-style-type: none"> <li><del>Support — do we understand what would be required to support this Chair and is there commitment from the University to do so? (Do we need to be able to articulate this kind of support before we ask this question?)</del></li> </ul>			
<b>Phase 1 CERC Selection Criteria</b>			
<ul style="list-style-type: none"> <li>Institution’s research strengths in the proposed field assessed against global standards of excellence (<i>We’ll need help figuring out what the global standards of excellence are. The Chart in the Phase 1 application form can help us articulate where we are</i>)</li> </ul>	We believe UofR’s research strengths in CCS are acknowledged as among global leaders (the strength of the CCS researchers in the CFREF submission was recognized by the reviewers).	<u><a href="#">This proposal builds on existing pan-Canadian partnerships and active partnerships in the US.</a></u>	
<ul style="list-style-type: none"> <li>The promise of the proposed field of research for the Chair, measured in the context of leading global research in the proposed field and the likelihood that the work associated with the proposed Chair will be recognized as globally relevant and will advance the frontiers of research in the field on a global scale (<i>Will require research to determine this</i>)</li> </ul>	Referencing the CFREF submission – we felt the potential was strong but according to the reviewers, we may not have articulated it well.	<del>AX-1 survey is the</del> <u><a href="#">The team based at UofR issued the</a></u> first comprehensive study to provide critical information on prevalence of OSI symptoms in Canadian First Responders and other Public Safety Personnel.  <del>Blue Paper shows</del> <u><a href="#">We have identified an</a></u> urgent need for more research on effectiveness of peer support and crisis-	

		<p>focused psychological intervention programs. Proposed RCMP project will: be the first large-scale prospective study of OSIs in the RCMP; quantify the relationships between vulnerability and resiliency variables associated with PTSD; evaluate an empirically-supported, readily implemented, and cost-effective primary intervention as a practical and efficient method for proactively reducing OSI symptoms and incidence; and be an appropriate, demonstrable response to the House of Commons Report.</p>	
<ul style="list-style-type: none"> <li>The extent to which the proposal fits in one or more of the priority areas identified or addresses other issues of benefit to Canada</li> </ul>	<p>Proposal fits in the environment, climate change and clean and sustainable technologies priority area. CCS appears less valuable to Canada than other geographies such as Asia, India or Mexico.</p>	<p>Fits in the 'health and life sciences' priority area. <u>Quote the House report that shows need.</u> Does it also fit in the 'information and communications technology' and / or the 'social inclusion and innovative society priorities'? From the RCMP longitudinal study proposal: "the proposed research will provide substantial personal (i.e., for officers), societal (i.e., protecting Canadians), and economic (i.e., reduced healthcare costs) benefits"</p>	
<ul style="list-style-type: none"> <li>The ability of the institution to sustain the research advantage created by the proposed Chair after the seven-year term of the Chair expires</li> </ul>	<p><u>This is a complex field with many other major initiatives so difficult to differentiate ourselves</u></p>	<p>Is it reasonable to say that the firsts described above provides the research advantage for the long term? <u>Yes – if we lead a project this big, I think the field of PTSD experts is small enough that they'll rally round the project.</u></p>	
<ul style="list-style-type: none"> <li>The ability of the institution to leverage additional resources that, together with the CERC program will enable the institution to adequately support the direct and indirect costs associated with a world-class program of research</li> </ul>	<p><u>Potential from SK Power and Billiton through the Knowledge Centre, but would need to be confirmed. Idea might have support at IS. Report by Janice will</u></p>	<p>Federal involvement with realization of CIPSRT?</p>	



	<a href="#">help identify (but too late for the February decision)</a>		
<ul style="list-style-type: none"> <li>The potential to apply the research results from the Chair to advance public policy and/or the potential to commercialize research discoveries from the Chair</li> </ul>	Referencing the CFREF submission – we felt the potential was strong but according to the reviewers, we may not have articulated it well. <a href="#">If proposal is strictly CCS, it's a long time-line to market.</a>	Research results have potential to significantly influence public policy with respect to improving mental health care for first responders in Canada and internationally. <a href="#">Downstream products (wearable monitors, apps for mental health), trade-marked prevention programs, etc.</a>	
<b>Additional CERC requirements</b>			
<ul style="list-style-type: none"> <li>Likelihood of securing 100% matching funds (up to \$10M over seven years)</li> </ul>	Based on recent experience with the CFREF submission, securing matching funds before the May deadline may pose a challenge.	If the RCMP longitudinal study is awarded to the UofR, <a href="#">it could provide matching funds</a> <del>will be secured</del> . This will be known by the May deadline.	
<ul style="list-style-type: none"> <li>Ability to meet CERC's emphasis on equity and diversity</li> </ul>	These requirements can be met.	These requirements can be met.	
<b>Other factors</b>			
<a href="#">UofR history</a>	<a href="#">We've submitted 2 CFREFs (2015, 2016) and a CERC in carbon capture (2008) without success. What is likelihood that this will succeed?</a>	<a href="#">No prior major awards in this area.</a>	
<a href="#">Current external CERC?</a>	<a href="#">No current CERCs in this area anywhere.</a>	<a href="#">No CERCs</a>	
<a href="#">Current CFREF? (CFREF in this area would indicate that another institution might have greater expertise, lessen our chances of success?)</a>	<a href="#">CFREF in Calgary (low carbon unconventional resources) and Alberta (future energy systems) – are these the indicators of how energy needs will be researched with federal dollars?</a>	<a href="#">No CFREF</a>	
<a href="#">Support – do we understand what would be required to support this Chair and is there commitment from the University to do so? This can be part of our follow-up procedures</a>			
<a href="#">Nature of research strength</a>	<a href="#">Strong individuals, not as much collaboration either internally or externally (from what we can see)</a>	<a href="#">Strong partnership, collaborative group (as witnessed in the RCMP proposal-writing process)</a>	