



Friday 24 November 2017 / 8:30 – 10:00 am / AH 527

Table with 5 columns: AT, ITEM, SUBJECT, PAGES, LEAD. Rows include items like 'Welcome, introduction of K Cormack', 'Rideshare Widget: update', 'Team Compost/Custodial Operations: update', etc.



PACS 2017-18 meeting dates
26 January / 30 March / 25 May

Agendas close the preceding Thursday at 4 pm
Please send agenda items and supporting material to bryanna.butz@uregina.ca.

MEETING NOTES

29 September 2017 / 8:30 – 9:30 am / AH 527

MEMBERS T Chase (Chair), D Cherwaty, J Crivea, J Dale, L Ezenweichu (*GSA rep*), H Khan (*URSU rep*), E Khmarun (*PACS student support*) R Konecsni, R Petry, S Young

REGRETS C Reyda, N Wagner

1. Welcome and call to order at 8:30 am.

Agenda approved as received. Meeting notes of 5 June 2017 received without emendation.

LEADERSHIP, COMMUNICATION AND ENGAGEMENT

2. PACS Support: introduction and update

Welcome to our new Sustainability Support, Ms Elena Khmarum, who has just started her third year in the UR Nursing Program. Elena has taken over the duties that Nwakaku Okere had been providing PACS. Ms Okere convocated in June and has since obtained full-time employment.

3. Communications sub-committee: dissolution proposal

R Konecsni reviewed the document that was sent out in the agenda package. This sub-committee feels overburdened and they have realized that coordinating messages through email is not as effective or collaborative as initially thought. The sub-committee recommends that a member of External Relations, Katherine Cormack, Manager of Strategic Communications, join PACS as they will be able to provide a valuable link between Sustainability initiatives and communicating/messaging them to our campus and the wider community. The Chair suggests that inviting K Cormack as a regular guest allows the committee to determine the need of an additional member and provides time to make amendments to the Terms of Reference.

A motion to dissolve the Communications Sub-Committee was put forward.

M / S R Konecsni / S Young

CARRIED

A motion to invite K Cormack, Manager of Strategic Communications in External Relations to attend PACS meetings as a regular guest was put forward. If PACS deems it appropriate to include External Relations as a permanent member, the Terms of Reference will be revised.

M / S R Konecsni / J Dale

CARRIED

4. Sustainability Coordinator position: update

Current budgetary constraints have delayed the funding of a Sustainability Coordinator. Partial funding is still available for this position and discussions of sharing this position with another unit have occurred. An update will be provided at the November meeting.

5. Rideshare Widget

The past Sustainability Coordinator along with FM, PTS, and URSU had explored the ridesharing/ carpooling platform with the Carpooling Network but nothing came of it. This company has again reached out to the UR enquiring about our interest. They have since upgraded and changed the services they offer and wanted to bring the benefits of this platform to our attention.

Recognizing that our Sustainability Coordinator position is vacant, the company advised that they could still provide us, free of charge, a branded search widget where students and employees could see and use Ridesharing.com. This widget would track how many people use it and after one year the company would provide us the data presenting the URs level of interest. As this is a third party application the Chair asked what liabilities the UR would face if something were to go wrong (injuries, etc.). If there are no liability issues then the University will make this work. FM and PTS are okay with this widget as long as IS and ER are. As long as we ensure users are aware that the widget submits data to an external site not hosted or run by the UR, IS sees no security concerns with making it available on our website. ER has not yet been consulted. R Konecsni will contact the University Secretariat's Office and provide PACS an update at the next meeting.

On a side note: Parking Services promotes carpooling but as preferred parking. The company that supplied vehicles for the carshare program cancelled the program at both the U of R and the U of S due to a lack of usage.

OPERATIONS AND OTHER ISSUES

6. Terms of members: J Dale and R Konecsni

Two PACS members' terms have expired: J Dale (June 2017) and R Konecsni (June 2017). Based on the Terms of Reference, membership renewal is subject to committee approval and reappointment by the designated group. R Konecsni has expressed an interest in serving another term and the VP Administration supports his renewal of a second three-year term (June 2020). J Dale has also expressed an interest in serving another three-year term and PACS approves this term renewal (June 2020).

7. Draft PACS 2014-2017 Report: review

A motion to approve the draft PACS 2014-2017 Report with one minor edit was put forward
M / S J Crivea / H Khan

CARRIED

The approved PACS 2014-2017 Report will be sent to the President and uploaded to the PACS web page.

8. SCEF update: 2014 partners agreement; 2017 steering committee; 2017 applications

B Butz brought forward her concerns regarding the 2014 SCEF Founding Partners Agreement Terms of Reference. There are several terms that have not been enforced since the Sustainability Coordinator (SC) position was vacated. B Butz has identified difficulty in securing consistent funding (recognizing it is due to budgetary constraints), finding individuals to form the SCEF Steering Committee, and has identified that financial reports have not been provided to the partners (at least not since the SC position has been vacant).

With sustainability being a key part of our Strategic Plan why are we limiting commitment to only the eight founding partners? Why are we not requesting that all faculties and units provide funds to the SCEF? With the current budgetary constraints it is no longer realistic to ask each of the founding partners to commit \$2,000 so is it possible to offset this burden by with contributions from other units?

PACS agreed that a call for funding should go to both academic and administrative units and not be limited to the eight founding partners. The Chair believes the structure should remain in place and that we should abide by the terms of reference as they were agreed to. Should partners wish to end their participations they can do so as outlined in the terms of reference.

The founding partners along with past SCEF contributors were asked to provide names of individuals to sit on the 2017 SCEF Steering Committee. B Butz was provided seven names, three of which were students. These individuals will be contacted and a meeting will be set-up to review the five applications submitted to the SCEF.

Adela Tesarek Kincaid has been asked by Dr Charles Hopkins, UNESCO Chair at York University, to attend the Reorienting Education and Training Systems to Improve the Lives of Indigenous and Marginalized Youth meeting in October 2017. This is the fifth planning meeting in the Global Project for the Central and North American Regions and supports UN Sustainable Development Goal 4. A Tesarek Kincaid would attend as a representative of Saskatchewan communities and as a Postdoctoral Research Fellow from the U of R. She has submitted a request for financial support from PACS in the amount of \$1,300 (for her flight and accommodations). Given the direct alignment with our Strategic Plans, PACS fully supports A Tesarek Kincaid's attendance at this meeting and will provide the financial support request.

PACS motioned to provide A Tesarek Kincaid \$1,300 via the SCEF to attend the Reorienting Education and Training Systems to Improve the Lives of Indigenous and Marginalized Youth meeting in Ontario with the expectation that she report back to PACS on meeting outcomes and any research collected.

M/S J Dale / D Cherwaty

CARRIED

9. Round table

H Khan – URSU is planning an environmental awareness and sustainability week which would include four days of events and guest speakers. This would promote environmental initiatives on our campus.

URSU Threads has gained popularity and the new initiative has hit various media sources. This initiative offers free men's suits to students in work placements, students attending interviews and/or students presenting to class and follows the Women's Dress for Success initiative. With more than 100 suits donated by Moore's storage space was limited until FNUUniv offered some.

J Crivea – IEESC has played a national leading role in the completion of the Climate Change Data Portal Network. This network started in Ontario and is now complete across Canada. This tool assess the future impacts of climate change on agriculture, ecosystems, water, infrastructure, energy development, immigration, and other human activities. It is a free tool and can be accessed here: <http://www.ieesc.ca/research/ccdp-network>.

Chair – We are making progress on a variety of sustainability initiatives. Among them are gains in campus energy efficiency; reductions in amount and costs of campus printing; retrofitting of facilities in the Laboratory Building, College West, and College Avenue Campus; reduction in pesticide use on campus grounds; gradual roll-out of water bottle refilling stations; the transit pass initiative championed by URSU; and much more.

The U of R pool has been a point of discussion and its life might be coming to an end. The pool is not regulation size; bringing all its systems and infrastructure up to current standards would cost millions of dollars. The UR is looking at ways to keep the pool running as it is heavily used by campus and our community. A decision on the life of the pool will need to be made.

R Konecsni – Presented the U of R's Print Optimization project at CUPMAC 2017 in Ottawa. Some external interest come from this presentation and In-plant Graphics included a lot of the presentation on their article: <http://www.inplantgraphics.com/article/30-in-plant-managers-from-universities-all-over-canada-attended-cupmac-2017/>.

R Petry – The 2018 RCE Recognition event will take place in May in Stockholm SK.

10. ADJOURNMENT at 9:34 am

NEXT MEETING 24 November 2017 8:30 – 10:00 AM (AH 527)

Ridesharing FAQs

(Source: Ridesharing.com)

1. What is Ridesharing.com?

This type of transport is defined by two simple rules. The first one is that the driver offers a ride that he intends to do for a personal purpose. Whether it is for a daily commute to work or for a long distance trip to visit family in another city, the driver wants to go from A to B. Second, ridesharing and carpooling is not about making money, but sharing the cost of the ride (fuel, insurance, fixed fees related to the car, etc.

Services like Uber, for example, are simply taxi-like services with a good technology, but it surely has nothing to do with ridesharing.

2. How does it work?

Search for available rides by entering your point of departure and your destination. You will need to be registered and connected to your profile in order to book a seat on the desired ride.

Book a seat and pay online

Long distance carpool (with reservation): Book a seat on a ride and pay online with a credit or a debit card. Once your online seat booking is completed, Ridesharing.com will send you a confirmation code by email and text message. You will then have the opportunity to make contact by phone with the driver to arrange the last details of the ride such as the exact meeting point, preferences, etc.

Daily commute and short distance carpool (without reservation): Contact the driver free of charge through the messaging service to ask for a seat on the ride and to make an arrangement for the carpool (cost of the ride, alternate driving, meeting point, etc.).

3. Who is responsible for Liability Insurance?

The driver/owner of the vehicle is responsible for this. Increasing the number of regular passengers in your vehicle can increase the likelihood of an injury and liability claim in the event of a collision. For this reason it Ridesharing suggests that the driver go for higher liability coverage to protect themselves and their passengers.

4. Is Ridesharing or Carpooling legal?

Yes: The government authorities of most Canadian provinces and United States encourage carpooling as a transportation alternative.

Regional carpool programs are very often supported by different governments while they can have a positive effect on reducing traffic congestion and greenhouse gas emissions.

5. Do drivers who provide a ride to passengers who are carpooling have to hold a transportation permit?

No: Carpooling does not require a commercial passenger transportation permit. However, it is important to understand that commercial transportation of passengers can't be done under the cover of carpooling.

6. Does Carpooling (ridesharing) as a commercial activity exist?

Since carpooling can only be done on a non-profit basis, the concept of carpooling (ridesharing) as a commercial activity does not exist. Commercial transportation of passengers requires that a valid commercial passenger transportation permit must be owned by the driver (or the company) providing such service. Ridesharing.com does not allow users to use its Service in order to find passengers for commercial transportation purposes.

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I made this inquiry to Ridesharing.com on November 16, 2017:

"...I am looking into the promotion of this service for our University (our Parking Services department). I have been asked to look into some liability risks of promoting this service/website. The key concern is in regards to safety and liability (i.e. what if a carpooler got into an accident and was injured, what if a carpooler got assaulted, etc.)... «

I received this response within a couple hours :

Hi Ray,

It will be a pleasure for me to be your main contact for the questions that you have regarding our service.

I don't know how specifically the University of Regina is planning to promote our service but here is some of the key info that can be useful.

- At first, in Saskatchewan, the Province automatically provides a license plate insurance to registered car owners (<https://www.sgi.sk.ca/individuals/registration/coverage/liabilityinsurance.html>).
- When signing up on Ridesharing.com, users must accept the terms of the Services (https://www.ridesharing.com/Terms_Use.htm) which include a limitation of liability for cases like you mentioned (i.e. what if a carpooler got into an accident and was injured, what if a carpooler got assaulted, etc.) which protects our company but also our corporate clients / partners.
- As a last resort, our company has a corporate civil liability insurance of \$2,000,000.
- Ridesharing.com is for "real ridesharing" and NOT for commercial services like UBER or Lyft, so drivers connecting with passengers are only splitting the cost of their rides among passengers and not doing any revenues or commercial activities through our platform.

Depending if the U of Regina decides to join Ridesharing.com has a corporate clients, we offer service that enables users to certify their profile (please view some example of it works in the pdf document included to this email)

Also, you will be pleased to learn that Ridesharing.com has implemented all kinds of safety measures that help other users in making the right choice when searching for a driver or passengers.

Other than having a certified status, users can optimize their profile by providing a photo, by validating their cell phone number, by providing a bio about them and also by providing a piece of ID.

At last but not the least, once a ride is completed between a driver and its passengers, both parties can evaluate each other with specific criteria and they can also provide a comment (through free text) so other users can consult the past experience of each user.

I hope those details will help your team to understand better the services offered by Ridesharing.com

Please also let me know if you have any questions regarding the integration of any promotional tools we offer.

Regards,

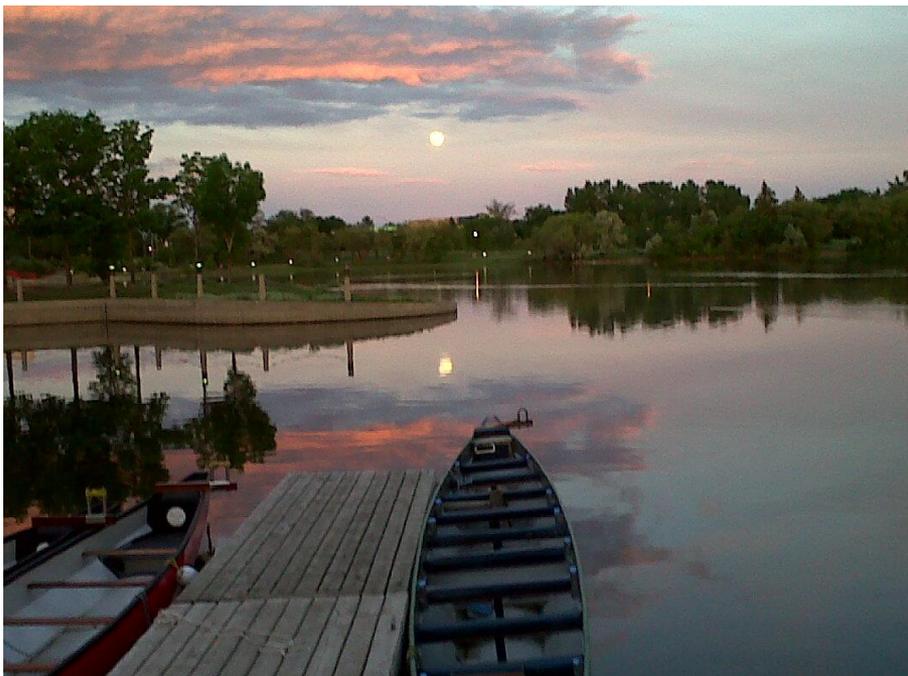
Pier

Pier O. Girard | President and co-founder
[Ridesharing.com](https://www.ridesharing.com)

Financial Report of Team Compost Expenses (UofR) November 2016 to September 30, 2017

Date	Description	Cost	Gst Rebate	Self Assessed PST	Total
23-Nov-16	Ecosafe Compostable Bags	\$ 96.26	\$ (3.59)		\$ 92.67
3-Mar-17	Compost Bins	\$ 219.96	\$ (8.52)	\$ 8.35	\$ 219.79
3-Mar-17	Rubbermaid wheeled Cart	\$ 824.50	\$ (30.97)	\$ 5.41	\$ 798.94
3-Mar-17	Laminated Sign for Cart	\$ 4.88			\$ 4.88
17-Apr-17	Loraas Disposal (2 dumps plus weight)	\$ 213.81	\$ (8.37)		\$ 205.44
30-Apr-17	Ecosafe Compostable Bags	\$ 504.11			\$ 504.11
30-Apr-17	Pick-up tool	\$ 8.66	\$ (0.32)		\$ 8.34
9-Jun-17	Loraas Disposal (2 dumps plus weight)	\$ 206.49	\$ (8.08)		\$ 198.41
23-Jun-17	Compost Bins	\$ 110.89	\$ (4.10)		\$ 106.79
26-Jul-17	Ecosafe Compostable Bags	\$ 407.14	\$ (15.92)	\$ 23.26	\$ 414.48
21-Aug-17	Loraas Disposal (2 dumps plus weight)	\$ 222.00	\$ (8.69)		\$ 213.31
18-Sep-17	Loraas Disposal (1 dump plus weight)	\$ 109.08	\$ (4.27)		\$ 104.81
				TOTAL	\$ 2,871.97
				PACS	-2329.72
				Shortfall	542.25

Outcomes of Implementing the Plant Health Care Model on Campus



*a presentation for
PACS*

Dr. Tanya Dahms
Professor of Biochemistry

November 24, 2017



University
of Regina



Faculty of
Science

Department of Chemistry and Biochemistry

24 November 2017 PACS agenda package (Page 10 of 37)



Motivation for Eliminating Pesticides

The Plant Health Model

Outcomes of Implementing the Plant Health Care Model on Campus

Outcomes and Recommendations



Reducing pesticide use on campus

- Proposal for a City of Regina to ban pesticides for cosmetic use (2002, 2012) → IPM, PHCM
- WCA wide spread use of pesticides → notifications on campus (2006)
- Campaign for no pesticide use on campus (2008), and partial reorientation of research (2011)
- *Ad hoc* committee on pesticide use on campus formed (2012) – “generous listening”
- Implementation of PHCM on campus (2014-2017)



The Cosmetic use of Pesticides *are not* Justifiable

- We need to change the story in Regina, setting the example on campus
- Family circle → Community, UofR → City → Province
- Join other informed communities
- Why would we disadvantage our community???



Pesticides used for Cosmetic Purposes

The *unnecessary* use of chemical pesticides on green spaces to get rid of unwanted weeds and plants

Cosmetic pesticide use includes

- lawns
- gardens
- non-agricultural landscaping



Pesticides and cancer



- More than 100 studies have linked pesticide **exposure** to both adult and childhood **cancers**
- **Children** are at greater risk from the effects of pesticides

Increased Risk of Developing Cancer



Bladder

Brain

Breast

Colon

Kidney

Leukemia (children)

Lip

Lung

Multiple myeloma

non-Hodgkin lymphoma

Pancreas

Prostate

Skin

Soft tissue sarcoma

Testis

Cosmetic Pesticide Bans

- Given no health benefits associated with cosmetic pesticides (unnecessary), there is sufficient justification to take **precaution**
- Saskatchewan residents **support** cosmetic pesticide restrictions
- No municipality (79.6% Canadians) has revoked a ban



Precautionary Principle



“When an activity raises threats of harm to human health or the environment, precautionary measures should be taken even if some cause – and – effect relationships are not fully established using the scientific method”

Imagine the number of lives saved/improved if smoking had been banned, rather than pandering to tobacco companies

Support from SK Residents

- 79% of residents believe that pesticides pose a threat to the environment, 76% to children, 72% to pets, and 69% to their own health.
- 70% are supportive of phasing out the cosmetic use of pesticides and 85% would consider alternatives



Source: Ipsos-Reid Public Opinion Poll (2008)

A Growing Trend



- Many precedents of bans and restrictions: Quebec, Ontario, Prince Edward Island, Nova Scotia, New Brunswick, British Columbia
- More than 171 Canadian municipalities, representing 79.6% of the population



**No one
should
worry
about
children
playing
in the
grass!**

Motivation for Eliminating Pesticides

The Plant Health Model

Outcomes of Implementing the Plant Health Care Model on Campus

Outcomes and Recommendations



A collaborative high school research project

- Comparison of two plots of turf plots on campus
- Plant health care model (aeration, over seeding, compost tea, kelp, over watering in spring, hand weeding etc.) versus status quo
- Turf analysis with Dr. Scott Wilson
- Microbial, nematode and insect counts with Dr. Chris Yost
- Soil pH, nitrogen, phosphorous and potassium

A collaborative high school research project



A collaborative high school research project



A collaborative high school research project



A collaborative high school research project



- No significant difference in overall turf composition between plots – spring richer than fall
- No significant difference in microbe, nematode and insect counts or soil pH, nitrogen, phosphorous and potassium
- Fall microbe, nematode counts were lower than spring

Outcomes

- High school students learning the scientific method and research methods applied to a real world problem
- Direct streaming of students into UofR Science and research labs
- Empowering students to **ASK THEIR OWN QUESTIONS**
- Successful demonstration of the plant health care model on campus (2014-2017, including two drought summers)
- Cost of the project was *much less* than projected!

Motivation for Eliminating Pesticides

The Plant Health Model

Outcomes of Implementing the Plant Health Care Model on Campus

Outcomes and Recommendations





Eliminate Pesticides on Campus

- Demonstrate leadership
- Healthy Public Policy
- Popular support
- Cost is reasonable
- It is the right thing to do!!!



Acknowledgements

Miller High School Research Team

Teachers

Nicole Anderson

Heather Haynes

Students

Brooklyn Seck, Janea Lang,
Carl Sandin, Belgy Battuing,
Max Adamson, Jenna Daly,
Bret Gelowitz, Chantelle La Rocque,
Adrian Muscat, Ve Truong,
Jamie Schmidt, Emily Nemeth,
Natalie Wood

Ad hoc pesticide committee

Darren Chewarty

Tanya Dahms

Mike Mamona

Pat Patton

Carol Reyda

D'arcy Schenk

Questions?



November 17, 2017

Dr. Adela Tesarek Kincaid

Report to PACS/SCEF on the UNESCO Chair, York University, project concerning *Reorienting Education and Training Systems to Improve the Lives of Indigenous and Marginalized Youth*.

Summary of project and how it connects to the University of Regina

Purpose:

Ensure inclusive and equitable quality education and promote lifelong learning for all.
United Nations Sustainable Development Goal 4

Objective:

This global Project, “Reorienting Education and Training Systems to Improve the Lives of Indigenous and Marginalized Youth” will generate academic research into how schools and education systems can use education for sustainable development (ESD) contexts to better meet the education needs of the Indigenous and marginalized youth in or from traditional communities and to sustainably improve their lives.

Deliverables:

While respecting and collaboratively working with and learning from Indigenous and marginalized communities, the Project will develop recommendations to assist education leaders worldwide to improve the overall quality of individual and community well-being for the target groups and will disseminate the findings through a wide variety of networks including UN sites, Indigenous leaders/institutions and ministries of education.

Goals:

The main goals of the project are:

- To generate and disseminate the research findings to assist and guide governments, ministries of education, school systems and communities to meet their national goals for Education 2030 and SDG Targets.
- To seek, share and build upon current successful teaching and learning approaches amongst the research institutions and partner sites.
- To create an international research network with a focus on SDG Target 4.5.
- To develop local approaches to improve the education and training of school- age Indigenous and marginalized youth.
- To improve the overall level of individual and community well-being.
- If applicable: additional local objectives, determined by research institutions and partner sites.

The project is specifically aimed at reformulating systems, the curriculum and teaching practices to include place-based examples that engage indigenous communities. York University with the UNESCO Chair and other partners is coordinating the inclusion of approximately 35 countries on five continents.

Connections to the University of Regina

This project has clearly aligned the two areas of overarching emphasis identified in the University of Regina 2015-2020 Strategic Plan: indigenization and sustainability (p.8). The research considering the indigenization of curriculum and teaching methods was discussed at the meeting and is also aligned with demonstrating commitment to local communities, one of the University's three strategic priorities (p.8). The United Nations internationally, has now agreed upon 17 Sustainable Development Goals (SDGs) to guide the global development agenda until 2030. The project's goal to "reorient education and training systems to improve the lives of indigenous and marginalized youth" will help achieve multiple sustainable development goals including those dealing with quality education; goal 4, 8, 11, 16 and Education 2030 which is the Framework for Action of SDG 4.

The knowledge that I gained at the conference helped to facilitate communication, collaboration and community engagement between local ecomuseums (Royal Saskatchewan Museum), UofR related research initiatives (i.e. Indigenous Research Day), and classes (i.e. courses that I work with such as the Interdisciplinary Studies IDS 290AB Ecomuseums: Sense of Place and PSYC 340) at the local level; it also created research partnerships and collaboration on a national and global scale. As a result of attending the meeting, I help to bring a sustainability-based, world-wide network to the UofR. One beneficial outcome is to strengthen the University of Regina's profile on sustainability and community engagement with UNESCO and project collaborators.

My research interests and how they connect to the project:

University of Regina sustainability related projects:

A) CIHR funded project with Dr. Angela Snowshoe (PI)

Project Title: Re-connecting animal-human relationships as a doorway to indigenous wellness.

My position: **Postdoctoral Research Fellow**. Date of involvement - January 2018-October 2018. My role will be: 1) to take a leadership role in advising the research team on the practical application of Indigenous-qualitative blended methodological approaches; 2) assist with future grant applications; 3) contribute to other related research activities.

Project Description

This is a community driven project where Indigenous spiritual connections with animals are better understood, respected and integrated into contemporary healing practices. Supported by ceremony and insight from the more-than-human world, this project will:

1. Refine a two-day workshop in intuitive/spiritual communication with animals to reflect the expressed needs and interests of the First Nation community.
2. Create a culturally-relevant wellness model for the First Nation community.
3. Demonstrate how animals and other more-than-human beings can help restore and co-create Indigenous approaches to research and wellness.
4. Deepen community relationships and our collective research capacity

B) Mitacs funded project.

Project Title: Local community engagement: White Butte Ecomuseum Heritage Ecology Project.

My Position: **Principal Investigator**. Date of involvement – September 2017-December 2017

Project Description

I lead a team of 17 graduate and undergraduate University of Regina students who are helping to create and facilitate experiential learning on conservation land for local school children. The partnership for creating the programming is between the town of White City (via the ecomuseum), collaborators at the University of Regina, and the local elementary school. The goal of the partnership is to create local ecologically-based programming for local elementary school children in White City, which will be partially created and delivered by University of Regina students on the ecomuseum conservation easement land. The methodology includes an analysis of meetings with each participant partner organization, feedback from each participant partner organization (assessment of project), and participant partner organization concerns. Semi-structured group interviews with participant partnering organizations, as well as observation and ethnographic involvement, will be used to research the evolution of the White Butte Ecomuseum and its programs. The key sources of data are transcriptions of group interviews and meetings, as well as field memos based on meetings with researcher-partner organization interactions. Analysis consists of coding descriptive and analytic themes from these transcripts and field memos to focus on projected user concerns.

The results will illustrate how community partnerships between places of higher learning, local schools, museums and community initiatives can be used to promote community development projects. Participatory science approaches can act as viable research tools that help identify, implement and measure environmental and social issues and can be used to aid community engagement in social and environmental sustainability. The novel concept of using ecomuseums and participatory science approaches combined with a triangulated partnership between collaborators at the University of Regina, local elementary schools and the ecomuseum in southern Saskatchewan will result in opportunities for enhanced local awareness and actions surrounding sustainability, and greater community-engaged scholarship.

Sudbury meeting contributions, outcomes and research collected:

- Sudbury was the Central and North America regional planning meeting (other global coordinators attended the meeting)
- Catherine Matheson, Coordinator of RCE Sudbury which includes Laurentian University as the research institution in the region agreed to become the Central and North American Regional Coordinator
- Regional leading coordinators for other global regions which were previously identified attended the meeting as well
- I discussed pan-Canadian partnerships for potential SSHRC applications with colleagues across the country
- United Nations University Institute for the Advanced Study of Sustainability (UNU-IAS) will be funding my attendance with Dr. Roger Petry at the RCE conference in Japan during the beginning of December to talk about RCE related sustainability initiatives taking place in Saskatchewan
- Attended introduction of the Indigenous Sharing and Learning Center at Laurentian University as well as a tour of the Shagamik-Kwe Health Center which combines western and traditional

medicines and wellness approaches. We also attended a lesson delivered by an elder at the Indigenous community-based school.

-Discussion on what constitutes a quality education, project goals, and overview took place and the regional coordinators gave updates on relevant research initiatives in their prospective regions.

Next Steps:

-I presented during Indigenous Research Day at the University of Regina with Dr. Angela Snowshoe on the cultural importance of the Lac La Croix Indigenous Pony and more broadly on how animals can help restore and co-create Indigenous approaches to research and wellness. My hope is to assemble and document a network of projects related to sustainability and Indigenous education at the University of Regina to help further inform this UNESCO chair project.

-Dr. Fatima Pirbhai-Illich from the Faculty of Education will be the lead on the project for Saskatchewan.

-Dr. Garth Pickard (Saskatchewan RCE lead) is currently involving Treaty 4 Education Alliance and others.

-The UNESCO chair and regional coordinators are continuing to correspond and connect to local research on indigenous education and sustainability. The conceptual framework is being developed as the team works to incorporate discussion points that were brought up at the meeting.

Action: Memorandum of Co-operation (MOC) to be considered by the University of Regina and PACS.

I have included elements of the MoC draft. Please review and comment on the possibility of agreeing to support this document.

In the framework of the UN Sustainable Development Goals and Education 2030, the Project Chair and the Research Institution will collaborate in order to generate academic research into how schools and formal education and training systems could change to better meet local education needs of the Indigenous youth in traditional communities and to develop recommendations to assist education leaders worldwide to promote change.

In this context, the Project Chair and the Research Institution conclude the following Memorandum of Cooperation in order to define the modalities of the cooperation as well as to create synergies, to enhance impact and to be more effective together.

It is hereby agreed that:

The Project Chair and the Research Institution commit to cooperate in the Project for 4 years, 2017 until 2020. The Project Chair and the Research Institution agree to pursue the following main objectives in the Project:

- To generate and disseminate the research findings to assist and guide governments, ministries of education, school systems and communities to meet their national goals, particularly in regards to the education of Indigenous youth, for Education 2030 and SDG Targets.
- To seek, share and build upon current successful teaching and learning approaches using Education for Sustainable Development (ESD) amongst the research institutions and partner sites.
- To create an international research network with a focus on SDG Target 4.5.
- To develop local approaches through ESD to improve the education and training of school-age Indigenous youth.
- To improve the overall level of individual and community well-being.

As a mutual basis for understanding, the Project Chair will regularly provide updates on the Project description and the current status of the Project in all regions.

The Research Institution identifies areas of student exploration of locally relevant sustainability issues to deliver the core knowledge, skills and values that will improve the well-being of the students and their community.

To address the objectives, the Research Institution aims to create local network(s) with local school(s) or other relevant institutions that will carry out the action-oriented research approach. The Research Institution is responsible for tracking and documenting the results and findings in cooperation with the local sites involved in the Project.

If applicable and possible, the Research Institution assumes responsibility for approving the ethics involved in the research as per individual institutional regulations.

The Research Institution commits to support the Project Chair to organize and hold regional and/or local meetings in the course of the Project. Both parties agree to accept the organizational structure of the Project including the appointment of regional and – if suitable – national coordinators.

The Project Chair creates a Project platform to foster a self-organized local and regional research network and to support sharing gained knowledge. The Research Institution encourages its local network to collectively and synergistically learn together on the platform throughout the Project. Both parties share relevant knowledge and best practice examples through the platform throughout the Project.

The Project Chair and the Research Institution will jointly strengthen relationships to relevant government institutions and other relevant institutions. They will distribute news about their work via their websites, social media and other networks or distribution lists. Both parties commit to actively mobilize the best possible and diverse expert community and public audience. The Regional Coordinators and National Coordinators will be actively involved in the collaboration between the Project Chair and the Research Institution.

The Project Chair assumes budgetary and financial responsibility for basic organizational structures of the Project. It is being realised with the financial support of donations and administered by York University under the rules and regulations of Canadian public finance. The Research Institution is committed to work according to these rules and regulations.

The Research Institution assumes budgetary and financial responsibility for their specific research and local network cooperation. The Project Chair will assist the Research Institution in order to acquire further funds to facilitate the project.

Upon request by the Project Chair, the Research Institution remains at disposal for advice and help regarding any other element of the Project for their region.