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MEMORANDUM

ATTENTION Senate
FROM Jon Driver, Vice-President, Academic and Provost *pro tem*, and Chair, SCUP
RE: Centres and Institutes Renewal Applications 2020-2021 (SCUP 20-50 Part 1)

DATE November 19, 2020
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At its November 18th, 2020 meeting, SCUP reviewed the Centres and Institutes Renewal Applications. The following items were approved:

1. SCUP reviewed and approved the renaming and repositioning of the Institute called the Centre for Imaginative Education to a Centre named the Centre for Imagination in Research, Culture & Education (CIRCE).
2. SCUP reviewed and approved the renewal of the following research centre for a one-year term: Centre for Policy Research on Science and Technology (CPROST)
3. SCUP reviewed and approved the renewal of the following research centres and institutes for a five-year term:

Centres

1. Centre for Public Policy Research
2. Centre for Scottish Studies
3. Gerontology Research Centre
4. Centre for Research on International Education
5. Centre for Sustainable Development
6. Centre for Cell Biology, Development and Disease (C2D2)
7. Centre for High-Throughput Chemical Biology (C-HTCB)
8. Evolutionary and Behavioural Ecology Research Group

Institutes

1. Canadian Institute for Studies in Publishing
2. Institute for Environmental Learning
3. International Centre for Criminal Law Reform & Criminal Justice Policy
4. Vancouver Institute for Visual Analytics (VIVA)

4. SCUP reviewed and approved the exceptional renewal of the following research centres for a one-year term:

1. Centre for Restorative Justice and
2. First Nations Language Centre

5. SCUP reviewed and approved the termination of the International Centre of Art for Social Change.

cc: A. Brooks-Wilson

Memorandum

From: Angela Brooks-Wilson, Associate Vice-President, Research *pro tem* **Date:** Nov. 6/20
Re: Centres and Institutes – Renewal Applications 2019/2020
To: Jon Driver, Chair, *Ex-officio*, Senate Committee on University Planning (SCUP)

As per [Policy R40.01](#), Research Centres and Institutes will be renewed upon application via the Dean and the Vice President, Research and International, to SCUP, based on accomplishments, impact and alignment with priorities. Enclosed please find documents submitted by the following Centres and Institutes:

Centres

1. Centre for Policy Research on Science and Technology (CPROST)
2. Centre for Public Policy Research
3. Centre for Scottish Studies
4. Gerontology Research Centre
5. Centre for Research on International Education
6. Centre for Sustainable Development
7. Centre for Cell Biology, Development and Disease (C2D2)
8. Centre for High-Throughput Chemical Biology (C-HTCB)
9. Evolutionary and Behavioural Ecology Research Group

Institutes

1. Centre for Imaginative Education
2. Canadian Institute for Studies in Publishing
3. Institute for Environmental Learning
4. International Centre for Criminal Law Reform & Criminal Justice Policy
5. Vancouver Institute for Visual Analytics (VIVA)

The Institute called the *Centre for Imaginative Education* has requested to be changed to a Centre named the *Centre for Imagination in Research, Culture & Education* (CIRCE) within the Faculty of Education. We recommend renaming and repositioning as requested.

Motion 1: That SCUP approve the renaming and repositioning of the Institute called the *Centre for Imaginative Education* to a Centre named the *Centre for Imagination in Research, Culture & Education* (CIRCE).

The Centre for Policy Research on Science and Technology (CPROST) has requested a 1-year extension (rather than a 5-year extension). We recommend the 1-year extension.

Motion 2: That SCUP approve the extension of the Centre for Policy Research on Science and Technology (CPROST) for a one-year period.

Motion 3: That SCUP approve the renewal of the eight Centres numbered #2-9 above, and the four Institutes numbered #2-5 above, each for a five-year term.

Due to COVID19 related workload issues, two centres were not able to submit renewal reports, and have requested an exceptional 1-year extension.

Centre for Restorative Justice
First Nations Language Centre

Motion 4: That SCUP approve an exceptional 1-year extension for each of the two Centres listed above.

The International Centre of Art for Social Change (ICASC) has requested discontinuation. Termination is recommended.

Motion 5: That SCUP approve the termination of the International Centre of Art for Social Change.

The following centres did not request renewal, and will be dissolved:

Institute for Studies in Criminal Justice Policy
Centre For the Study of Public Opinion and Political Representation

The following institute did not request renewal, as per Policy R40.01, will be dissolved:

The Institute for Canadian Urban Research Studies (ICURS)

Attachments: Submissions Status Summary
Proposal to rename and reposition *The Centre for Imaginative Education*
Renewal Applications

Renaming and repositioning proposal:

INSTITUTE TO CENTRE CHANGE	STATUS	DIRECTOR
From: The Centre for Imaginative Education To: The Centre for Imagination in Research, Culture & Education	Recommended	Mark Fettes: Director

Centres & Institutes: Renewal Applications

Arts and Social Sciences

CENTER	STATUS	DIRECTOR
Centre for Public Policy Research	Reviewed	Nancy Olewiler: Director
Centre for Restorative Justice	Not Submitted	Brenda Morrison: Director
Centre for Scottish Studies	Reviewed	Leith Davis: Director
Centre For The Study Of Public Opinion And Political Representation	Not Submitted, Requested termination	Steven Weldon: Director
First Nations Language Centre	Not Submitted	Marianne Ignace: Director
Gerontology Research Centre	Reviewed	Andrew Wister: Director Theodore Cosco: Associate Director
Institute for Studies in Criminal Justice Policy	Not Submitted	David MacAlister: Director

Faculty of Communication, Art and Technology

CENTER	STATUS	DIRECTOR
Centre for Policy Research on Science and Technology (CPROST)	Reviewed, Requested 1-year extension	Dal Yong Jin: Director Adam Holbrook: Acting Director

Faculty of Education

CENTER	STATUS	DIRECTOR
Centre for Research on International Education	Reviewed	Kumari Beck: Director Roumiana Ilieva: co-Director

Faculty of Environment

CENTER	STATUS	DIRECTOR
Centre for Sustainable Development	Reviewed	Yildiz Atasoy: Director

Faculty of Science

CENTER	STATUS	DIRECTOR
Centre for Cell Biology, Development and Disease (C2D2)	Reviewed	Michel Leroux: co-Director Esther Verheyen: co-Director
Centre for High-Throughput Chemical Biology (C-HTCB)	Reviewed	Roger Linington: co-Director David Voadlo: co-Director
Evolutionary and Behavioural Ecology Research Group	Reviewed	Ronald Ydenberg: Director

Institutes:

INSTITUTE	STATUS	DIRECTOR
Canadian Institute for Studies in Publishing	Reviewed	John Maxwell: Director
Institute for Canadian Urban Research Studies	Not Submitted	Bryan Kinney: Director
Institute for Environmental Learning	Reviewed	David Zandvliet: Director
International Centre for Criminal Law Reform & Criminal Justice Policy	Reviewed	Peter German: President & Acting Executive Director
International Centre of Art for Social Change (ICASC)	Requested early termination	Judith Marcuse: Director
Vancouver Institute for Visual Analytics (VIVA)	Reviewed	Lyn Bartram: Director

Proposal to rename and reposition
The Centre for Imaginative Education
(a Research Institute of Simon Fraser University)

as

The Centre for Imagination in Research, Culture and Education
(a Research Centre of the Faculty of Education,
Simon Fraser University)

Submitted by Dr. Mark Fettes
Associate Professor, Faculty of Education
and Director,
The Centre for Imaginative Education
Simon Fraser University

June 25, 2019

Background and rationale

In 2007, the SFU Senate approved the establishment of the Centre for Imaginative Education as a university-wide and international research centre. The Centre was intended as a broad-tent complement to the work of the Imaginative Education Research Group (IERG) in the Faculty of Education, which was dedicated to studying and extending Professor Kieran Egan's approach to understanding the imaginative lives of children and using those insights to make teaching more imaginatively engaging. The IERG had developed relationships with faculty from a wide range of disciplines and countries whose approaches often diverged from Egan's in various ways. It was thought that, in the context of the Centre, this intellectual and methodological diversity could give rise to new scholarly collaborations and new forms of research. In practice, however, the IERG remained the more active and visible face of the work at SFU. Its close ties to Dr. Egan's work and career inspired a loyal following among students, teachers and researchers and provided a clear focus for its activities, while the Centre did not really develop a separate identity of its own.

With Dr. Egan's retirement from the university in December 2015, the IERG's activities were sharply reduced, and the question arose once again of how to engage with a broader academic audience while preserving and building on the IERG's achievements. It is in this context that the decision was taken, through discussions involving some of the long-term leaders of IERG and the Dean and Associate Dean of the Faculty of Education, to revive and expand the role of the Centre as a hub for a broader range of thinking, research and educational practice involving the imagination. Initially, the intention was that the Centre remain a university-wide Research Institute. However, when the proposal was brought to the Senate Committee on University Priorities (SCUP), it became clear that under the proposed revisions to Policy 40.01, the Centre might be better accommodated within the Faculty of Education. Academic direction of the Centre is drawn primarily from the Faculty, the Centre's finances are administered by the Faculty, and the Faculty's auspices would allow retention of the term "Centre" which is important to the Centre's "brand" as currently envisioned and promoted both within and beyond SFU.

Accordingly, the proposal is to reconstitute the Centre for Imaginative Education as the Centre for Imagination in Research, Culture and Education (CIRCE) within the Faculty of Education. The proposed constitution for the revised Centre now follows.

Constitution
of
The Centre for Imagination in Research, Culture and Education
in the Faculty of Education, Simon Fraser University

1. Purpose

- 1.1. The Centre seeks to facilitate and extend theoretical and applied research into the imagination, with particular emphasis on its development and uses in education. Its goal is to become known worldwide as a collaborative hub and a source of outstanding educational ideas, resources, and practices.
- 1.2. The Centre is affiliated with the Faculty of Education, Simon Fraser University, and conducts its activities in such a way as to enhance the reputation and the programs of the Faculty and the University.
- 1.3. The Centre is committed to developing long-term collaborative relationships with the public education system in British Columbia and elsewhere, and with other research institutes and institutions of higher education, across Canada and internationally.

2. Governance

- 2.1. The work of the Centre is guided by an Advisory Board, consisting of individuals with a demonstrated commitment to the development of imaginative potential in children and adults, or to the advancement of education in British Columbia and elsewhere. Invitations to join the Board are issued by the Steering Committee of the Centre through the Scientific Director or Executive Director; members serve for a two-year term, renewable by invitation. The Advisory Board meets at least two times a year to review the Centre's activities and plans and provide advice to the Scientific and Executive Directors and Steering Committee.
- 2.2. The Steering Committee of the Centre consists of 3-7 employees, research associates or students of Simon Fraser University, at least two of whom must hold full-time tenured or tenure-track positions in the Faculty of Education. The task of the Steering Committee is to determine the overall direction of the Centre and to oversee the management of its operations. The Steering Committee appoints one of its tenured or tenure-track members from the Faculty of Education as the Scientific Director of the Centre, who bears overall

responsibility for the Centre's organization and activities. The Steering Committee may also appoint an Executive Director to manage the day-to-day operations of the Centre; this person need not hold a tenured or tenure-track position. While the Steering Committee normally operates by consensus, when necessary it can make decisions by majority vote. Members normally serve for a two-year term, renewable by decision of the Steering Committee.

2.3. The Academic Council of the Centre consists of employees, research associates or students of Simon Fraser University or other postsecondary institutions, or educational professionals in other fields, who wish to contribute actively to the research, teaching and outreach activities of the Centre. Invitations to join the Council are issued by the Steering Committee of the Centre through the Scientific Director or Executive Director; members serve for a two-year term, renewable by invitation.

2.4. When appointed, the Executive Director takes direction from the Steering Committee and reports to the Scientific Director on the progress of the Centre's research, teaching and outreach activities. His/her/their tasks may include:

- a. preparing agendas, proposals and reports for the Steering Committee;
- b. overseeing the Centre's finances;
- c. hiring Centre personnel, including support staff and research assistants;
- d. liaising with academic and administrative units at SFU;
- e. liaising with the Advisory Board and Academic Council;
- f. preparing reports to the Dean of the Faculty of Education.

If an Executive Director is not appointed, responsibility for these tasks remains with the Scientific Director. In all circumstances, the latter is ultimately answerable to the Faculty and the University for the operations of the Centre.

2.5. The Centre is constituted as a Research Centre of the Faculty of Education, Simon Fraser University, under the terms of SFU Policy R 40.01, and conducts its affairs in accordance with all other University policies. A report on the Centre's activities and financial status from April 1 to March 31, including the current membership of the Steering Committee and the Advisory Board, is submitted to the Dean of Education by the Director before June 30th each year.

3. Activities

3.1. The Centre's activities are open to all interested parties, including faculty and students from across the University, and educators and others outside the University. The Steering Committee may establish various categories of membership in order to facilitate participation in and administration of its programs.

3.2. The Centre sponsors and organizes educational conferences, both in British Columbia and elsewhere, on its own or in collaboration with other institutions.

- 3.3. The Centre organizes other activities such as seminars, workshops, colloquia, and so on, and may enter into contractual arrangements with school districts or other institutions to provide such activities for a fee. In such cases, the Centre will agree with the individuals involved in the activity on appropriate compensation for their work.
- 3.4. The Centre maintains a website on its activities, and may also publish a range of other materials, including newsletters, curriculum resources, teaching guides, conference proceedings, scholarly works, and publicity materials, in a variety of media.
- 3.5. The Centre seeks to encourage and facilitate research on imagination, with particular emphasis on its development and uses in education, and to that end it provides opportunities and support for university faculty and students, teaching professionals, and other interested parties. Such support may include, for example, office space, administrative support, shared technical and other resources, and assistance in applying for external funding. Within the relevant SFU policies and guidelines, the Centre may charge for the services it provides.
- 3.6. The Centre seeks to attract long-term funding for its activities, and will pursue such opportunities in collaboration with the Faculty and the University.

Report Type: Renewal Application

Reporting Year: 2020

General Information

Name of the Centre or Institute: Centre for Public Policy Research

Website:

http://www.sfu.ca/mpp/centre_for_public_policy_research.html

Faculty: Arts and Social Sciences

Director: Nancy Olewiler

Director's Term End: 2021-08-31

Renewal date: 2025-10-08

Details

Description of the Centre/Institute:

The purpose of the Centre (CPPR) is to promote multi- and interdisciplinary research, education, and dialogue on a broad range of public policy issues in Canada. The Centre supports and initiates research, publications, colloquia, conferences, visiting researchers and speakers. It is the research arm of the School of Public Policy at SFU (SPP).

The Centre/Institute's membership and organization structure:

Membership in the CPPR is open to any faculty member and graduate student at SFU who is interested in public policy research and outreach. All members of the School of Public Policy are active and we keep a list of faculty in other departments within the Faculty of Arts and Social Sciences and other departments at SFU who participate in our conferences, workshops, colloquia and Policy Spotlight talks.

The CPPR is headed by a Director who is currently also the Director of the School of Public Policy. It is governed by a Steering Committee that consists of all active faculty in the SPP. The SPP Manager provides administrative support. We engage with other units and associated faculty from other departments for events the Centre sponsors. As Faculty Associates are added to SPP, they will also be members of the Centre. We expect in the next five years to have a much broader reach within SFU with the pending introduction of the undergraduate minor in public policy analysis.

Most significant accomplishments:

1) Policy Spotlight Seminar Series: These are held approximately every two to three weeks during the Fall and Spring semesters of each year. MPP students and faculty are in residence

and all talks are open to the SFU community, and external participants. The talks are always well attended and are given by local, provincial, national, and international public policy experts from the public and private sectors, faculty from the SPP, other SFU departments, and other universities. Examples of speakers over the past 5 years speakers included: Don Wright, Deputy Minister to the Premier of BC, Head of the Public Service, Secretary to Cabinet); Martin Parkinson, former Secretary to the Treasury of Australia; Susanna Gurr, Managing Director BC Centre for Employment Excellence, Social Research Development Corporation; Matthew Kinch, Senior Advisor to the First Nations Health Council; Richard Arbeiter, Director General of the Office of Human Rights, Freedom and Inclusion, Global Affairs Canada; Loren Balinsky and Lesley Stalker, KINBRACE Society; Eddie Goldenberg, former Senior Political Advisor to Prime Minister Chretien; Alan Greer, Crown Indigenous Relations Canada; Sachi Kurl, Senior V-P, Angus Reid Institute; Brenda Kuecks and Kiri Bird, Ecotrust Canada.

2) SFU 50th Anniversary Lecture Series - 2015-2016: The SPP and CPPR raised funds and presented a series of three talks open to the public and SFU community with the theme "Being the Change: Women, Policy and Making a Difference". The three speakers were: Wendy Davis, former member of the Texas Senate; Jody Wilson-Raybould, Member of Parliament for Vancouver Granville and former Justice Minister, Canada; and Anne Giardini, SFU's Chancellor until June 2020. Each talk was very well attended by students, faculty, and the public and received media coverage.

3) The National IPAC/CAPPA Public Policy Case Competition: The national case competitions began in 2012. Each year, the SPP, supported by CPPR and IPAC has an internal competition where teams of MPP students compete in a one-day event to analyse a pressing public policy issue and present their analysis to judges that include an IPAC member, federal and/or provincial government officials. The winning team in the internal competition represents SPP and SFU at the Nationals, held every February at a different university across Canada. Teams from up to 14 schools/departments of public policy and public administration participate in the national event. CPPR provides some of the funding for the SPP national team. SFU has won the national competition in 5 out of the 9 times the event has run: 2013, 2015, 2016, 2018, and 2019. A paper written by the winning team is published in Policy Options, the policy journal published by the Institute for Research on Public Policy. SPP and CPPR hosted the 2018 national competition. The lead judge for that competition was Don Wright.

4) BC Priorities Projects: The Centre supports major group projects for our first year students that are undertaken in our Policy Analysis (PLCY 800 and 807) course sequence. Current public policy topics are chosen by external entities that include provincial ministries, municipal governments, crown corporations, social enterprises, other public sector organizations, and NGOs. Students hone their analysis skills by interacting with the agency to define the problem, undertake the research, and produce a major report that is presented to the agency and may be posted on their web site. These public policy reports

are substantive and have led to op eds in the Vancouver Sun, have been requested by agencies outside of the sponsoring one, presented at conferences, and have influenced policy decisions. Examples of topics completed in recent years include pay equity, homeless encampments, Indigenous health, student debt, sustainable jobs in coastal communities, inclusive education for students with ADHD, regulating gaming, social enterprise, shortage of industrial lands, supporting seniors' housing, English language services for new immigrants, and more. This research program develops students' skills, showcases their abilities, and creates links for further engagement between students, faculty and public policy agencies. We have many agencies coming back with new topics for subsequent studies. The CPPR provides support for travel to Victoria and primary research expenses.

5) Supporting faculty research: the Centre produces working papers by faculty. Recent examples include Josh Gordon's work on housing, John Richards' on Indigenous education and health issues in Bangladesh.

6) In partnership with SFU's Public Square, the CPPR hosted two Oxford-style debates in 2018-19. The first was on the referendum on Proportional Representation in 2018, with Nancy Olewiler moderating. The second was on the topic "Is Social Media Destroying Democracy". Both debates were to sell-out audiences from the university community and the public.

Notable media successes:

Media coverage of the two debates.

The BC Priorities Projects have led to Op Eds in the Vancouver Sun and Province. For example, in 2019, one project done in collaboration with the City of Vancouver on "Nightlife Policy" was a contributing factor in a motion brought forth to City Council and covered extensively (with quotes from the students' work and a student spokesperson) in the Vancouver Sun.

Josh Gordon's work has been extensively covered in the Vancouver Sun, Globe and Mail, and other national media.

Many of the SPP's faculty have produced a number of op eds.

Events, workshops, public outreach events:

June 2015: a multi-party panel discussion on the Alberta election.

2015-2016: SFU 50th Anniversary Lectures: "Being the Change: Women, Policy and Making a Difference" (described above)

All of our Policy Spotlights described above (too many to list individually - if a list is requested, please contact the Director)

2018-2019 Debates co-sponsored with Public Square on Proportional Representation and Social Media (see above)

Many of our BC Priorities projects involve forms of public engagement and outreach.

Additional documents:

CPPR_Membership_signoff_form_00YTpGe.xlsx

Rationale for the renewal of the Centre/Institute

The Centre is core to the research, outreach and community engagement undertaken by the School of Public Policy. It provides a forum for dialogue and discussion between faculty and our students and policy practitioners at all levels of government, non-governmental agencies, and other organizations engaged in public policy. It works closely with associations such as the Institute for Public Administration Canada. The Centre will continue to work with all levels of government and policy-related community agencies and entities to undertake research that is of crucial interest to these agencies. Our highly successful BC Priorities Projects are supported by the Centre through funding and connections with agencies working on public policy issues. All of these activities strongly support SFU's mission and visibility in the community. It is vital to sustain what we have been doing and want to continue to achieve in the next five years.

How the Centre/Institute enhanced research over and above what would have been accomplished by an individual faculty member?

The CPPR brings together faculty and students in a wide range of venues including our Policy Spotlight speaker series, team research projects, workshops and colloquia that support the interdisciplinary focus of our department and that we try to foster in the university. These activities would be challenging to organize and sustain by individual faculty members. As an interdisciplinary department, we endeavor to work together in aligning our courses and research activities to bring together faculty and students with different backgrounds, skill sets, and interests. The Centre functions as a cooperative effort across the department and allows for the engagement with colleagues outside the department at SFU, other universities in BC and beyond, in government, non-governmental entities, and other research entities. It helps showcase that SFU is an engaged university, researching and communicating issues important to policy makers and our communities.

Has the Centre/Institute accomplished its goals?

The Centre's main activities: (a) supporting research of all its members; (b) bringing in speakers from all walks of public policy research and practice to inform and interact with students, faculty, and the public; (c) supporting policy action research in the form of our BC Priorities Projects done by our first-year MPP students that provide policy analysis and recommendations to community partners; (d) hosting conferences and colloquia; (e) partnering with other units at SFU such as Centre for Dialogue and Public Square in debates, discussions, community engagement; (f) supporting research of other centres at SFU such as Adaptation to Climate Change; (g) hosting our internal case public policy case competition and supporting the winning team of the internal competition who goes on to compete in the national CAPPA/IPAC case competition; and (g) helping our students achieve their goals in research and community outreach and engagement.

The Significant Accomplishments section provides a detailed list of all the talks, colloquia, and other activities of the Centre for the past five years that provide detailed evidence about how the Centre has accomplished its goals.

The Centre/Institute's goals for the next five years:

The Centre will continue to support research and policy analysis by faculty, students and associates to further advance understanding, knowledge and solutions to policy issues and problems. The goals include:

- i. Publication and distribution of periodic reports on important policy issues.
- ii. Support for research and policy analysis projects based on partnerships within the policy community.
- iii. Sponsorship of at least one conference or issue-based event per year on a priority policy issue of importance, funding permitting.
- iv. Greater recognition and branding of the BC Priorities project through improved distribution and promotion of the results of this student led research.
- v. Increased use of the Centre by faculty to report on and communicate results of faculty research.
- vi. Continue activities that reach out to the public, the media and the policy community to educate and improve policy literacy.

KPI:

- i. Annual accounting of policy research produced and disseminated on our CPPR webpage.
- ii. Identification of projects and opportunities and delivery timelines for them.
- iii. Success in delivering the conference or issue-based event.
- iv. Continuation of BC Priorities projects with associated outputs: number of policy reports, op eds, conference presentations, impact on policy (KPI could include policy changes by agency and/or policy proposals by agency to relevant government body (e.g., a BCP in 2019 led to a submission by external partner to the province on pay equity).
- v. Track the number of papers/reports on the CPPR webpage.
- vi. Recording of media coverage, linkage of policy work to policy outcomes.

Changes planned upon renewal (e.g. membership, organization structure, etc.)

The Centre will rejuvenate membership beyond the School of Public Policy to include Faculty Associates from other SFU departments and Schools. We have reached out to other departments to undertake joint research with our students and faculty. We anticipate doing more of this as the School renews its faculty complement, increasing our capacity for research and outreach. We will establish an Advisory Committee in the coming year that will meet annually or semi-annually to support the activities of the Centre and help identify research and funding opportunities.

Financial Summary

Does your institute receive direct financial support from the University?

No

SFU Account Number

S-291353-21-2690-0000

Opening Balance

\$31176.70

Revenues:

\$1000.00

Expenditures:

\$15253.21

Closing Balance

\$16923.49

Financial Report:

No

Financial Contributions from the university:

The Centre does not receive direct ongoing financial support from the University. Some distinct activities supported by the Centre have received one-off support from the Dean of FASS's office. An example is to support the travel of our National Case Competition team of MPP students, and in 2018 for when the National CAPPA/IPAC Case Competition was held at the SPP.

University Personnel:

No staff are associated solely with the Centre. The Director of the Centre is the Director of the SPP and undertakes Centre responsibilities as part of her regular duties as Director of the School. The Manager of the SPP provides any needed administration support as part of her regular duties.

Space provided by the university:

No office space used by or allocated to the Centre.

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence:

Yes

External funding details:

Over the past five years, the Centre has received funding from the Representative for

Children and Youth to support our BC Priorities Projects. This was an unrestricted grant of \$30,000 which funded research done by MPP students, including their travel to Victoria to present their work. Other small amounts of funding have come from donations from faculty, and from other agencies to support the work of the Centre. Financial support for the 2018 National Case Competition came from a number of external sources that included CAPPA and IPAC.

Confirm policy review

Yes

Submitted by:

Nancy Olewiler

Director's Comments:

We will endeavor to continue to expand our activities and engage our faculty and students, SFU, and external communities in research and dialogue on key public policy issues. There is no shortage of problems to address. We hope to shed light on these issues.

Reviewer's section

Reviewed by:

Mary-Ellen Kelm

Decision:

Approved

Reviewer's Comments:

The Centre, housed in the School for Public Policy, engages in interdisciplinary research and outreach activities related to public policy in Canada. One of its important goals for the coming year is to engage with other SFU units with related interests.

Last Name	First Name	Institution	Faculty (If SFU)	Department (If SFU)	Active Member	Peripheral Member
Arnold	Jonathan	Canadian Centre for Climate Choices				Yes
DeBeck	Kora	SFU	FASS	School of Public Policy	Yes	
Gordon	Joshua	SFU	FASS	School of Public Policy	Yes	
Gross	Dominique	SFU	FASS	School of Public Policy	Yes	
Harford	Deborah	SFU	Environment	ACT		Yes
Kesselman	J. Rhys	SFU	FASS	School of Public Policy	Yes	
Laplane	Benoit	SFU	FASS	School of Public Policy		Yes
Maloney	Maureen	SFU	FASS	School of Public Policy	Yes	
McArthur	Douglas	SFU	FASS	School of Public Policy	Yes	
Olewiler	Nancy	SFU	FASS	School of Public Policy	Yes	
Richards	John	SFU	FASS	School of Public Policy	Yes	
Savas	Daniel	SFU	FASS	School of Public Policy		Yes
Shaffer	Marvin	SFU	FASS	School of Public Policy		Yes
Zhu	Yushu	SFU	FASS	Public Policy & Urban Studies	Yes	

By uploading this list, the Director certifies that all the members listed in this document have agreed to be affiliated with the Centre/Institute and approve of this renewal application

Report Type: Renewal Application

Reporting Year: 2020

General Information

Name of the Centre or Institute: Centre for Scottish Studies
Website: <http://www.sfu.ca/scottishstudies.html>
Faculty: Arts and Social Sciences
Director: Leith Davis
Director's Term End: None
Renewal date: 2021-10-08

Details

Description of the Centre/Institute:

The Centre for Scottish Studies at Simon Fraser University was founded in 1998 as a joint venture between faculty and individuals in the community. The Centre provides a focal point for faculty, students, and members of the general public who are interested in research exploring Scottish history and culture and the connections between Scotland and Canada in the contemporary global landscape.

The Centre conducts and mobilizes research in the area of Scottish Studies. Our research activities include collaborative projects with colleagues in Canada, the US and the UK; conferences and symposia; the "Scottish Voices from the West" Oral History project; We also organize an annual St Andrew's and Caledonian Society talk; and award an annual graduate fellowship (the David and Mary Macaree Graduate Fellowship) and two undergraduate awards (the Jennifer Prosser Wade Family Undergraduate Scholarship and the Macaree Mobility Award).

As the only institution in Western Canada with a Scottish Studies focus, we collaborate with other academic institutions in Canada interested in Scottish Studies such as the University of Guelph.

The Centre/Institute's membership and organization structure:

The Centre is headed by a Director and governed by a Steering Committee. The Centre also has members who participate in the activities of the Centre and affiliates belonging to community groups with whom the Steering Committee informally consults. The Director of the Centre is a tenured SFU faculty member appointed by the Dean, Faculty of Arts and Social Sciences under advisement from the Centre's Steering Committee upon nomination by the Steering Committee. The Director serves a renewable three-year term. The Steering

Committee is made up of no less than three and no more than five Simon Fraser University faculty members.

The Centre has extremely close ties with Scottish community groups in the local area. Members of the St. Andrews and Caledonian Society, the Scottish Cultural Centre Society and the United Scottish Cultural Society (representing the prominent Scottish societies in the Vancouver area) are affiliates of the Centre. The USCS Board of Directors operates ScotFestBC, and members of the Centre regularly present research there. The current Director of the Centre also provides regular updates of the activities of the Centre at bi-monthly board meetings of the SCCS.

Most significant accomplishments:

1) Research Project: expansion of online database: The “Scottish Voices from the West” Oral History project was begun as a community-based research initiative begun in 2003 under then-director Steve Duguid. Currently housed in the Library’s Multicultural Canada Collection, “Scottish Voices of the West” includes 52 interviews with Scottish immigrants to British Columbia, including Gaelic-speakers and Squamish hereditary chief Ian Campbell. Currently, Willeen Keough is working with a Research Assistant on the project to make the interviews more easily searchable for scholars as well as to provide “Spotlight” interviews to illustrate several themes running through the narratives.

2) Research Project: Development of an Online SFU Gaelic course: The CSS worked with the SNF Centre for Hellenic Studies as well as the New Media Lab to develop an online Gaelic-language course. The course has now been completed. It will be offered as a pilot project in the Fall, 2020, and for a future research project, the Centre will be seeking to collaborate with the Gaelic Society of Vancouver and seek funding to explore the impact of having an online Gaelic course on interest in Gaelic-learning in the community. There are also possibilities of connecting with Indigenous Studies over issues of language loss and recovery.

3) Development of International partnerships and student exchange: Our international academic partnerships on various projects include the Centre for Scottish Studies at the University of Guelph, the Centre for Scottish Culture at the University of Dundee, the University of Victoria, St. Mary’s University, the Centre for History UHI, and Edinburgh University Press. These partnerships have been carefully cultivated in order to work more closely on student exchanges and research projects, such as a project on Scottish migration to the Pacific. The partnerships with UVic, SMU, and UHI include two international Scottish history symposia in 2020 being held in Canada (in Victoria and Cape Breton) with both local and international speakers on “Coastal Scots: Stories of Life in Littoral Zones”.
<https://onlineacademiccommunity.uvic.ca/coastalscotssymposium2020/>

4) Intra-institutional connections: On an institutional level, the CSS has worked with and

will continue to work with SFU entities such as SFU Surrey, SFU Harbour Centre, and various departments and programs such as SFU Publishing.

5) Book in progress: Dr. McCullough's current research co-authored monograph *Mohawks and Highlands Scots in Early Canada* (under contract with Edinburgh University Press), is an in-depth local study of Indigenous-settler relations in the upper St Lawrence River Valley of the ways in which the lives of Mohawks and Highland Scots connected over three generations and explains how the web of connections that had initially knit together these two groups frayed and snapped in the years leading up to Canadian Confederation. The book challenges and complicates stereotypical narratives of British colonial settlement and Indigenous dispossession in pre-Confederation Canada (i.e., before 1867) and aims to reveal the complex legacy of British colonialism in Canada, in which Scottish immigrants played a significant role.

6) Dr. Leith Davis' book manuscript (currently under review at Cambridge University Press), *Mediating Cultural Memory in Britain and Ireland, 1688-1745*, contains three chapters investigating: the Scottish Darien venture; the 1715 Rising; and the 1745 Rising. She has presented papers concerning these chapters at international and national conferences. Five graduate students have been hired over the past number of years to work on the project.

7) Dr. McCullough launched, in October 2015, an online blog scotsinbritishcolumbia.com, which is a research hub showcasing SFU student research as well as research from established academics and local historians on the history of Scottish settlement to the Pacific Northwest.

8) 2 PhD students (Jennifer Scott and Michael Stachura) received their degrees in 2015. They were supervised by Dr. Leith Davis for their dissertations which examined John Galt and Nordic Influences in Scottish Literature respectively. They were both funded by the Macaree fellowship. In addition, Kaitlyn MacInnis was awarded an MA in 2019 on a subject concerning Scottish literature/culture, supervised by Dr. Aaron Windel.

Notable media successes:

1) June, 2020: Current Director, Leith Davis, interviewed for comment on the proposal to change the name of SFU's sports teams

2) The previous Director was invited by the President's Office to be the orator for honorary doctorate degree recipient Dr. Jennifer Wade at the June 13, 2019 convocation ceremony.

3) In July 2018, Dr McCullough was involved in the making of a Telus Original short documentary on the history of Highland Games in British Columbia (Spotlight Productions)

called "Living Celtic Tradition: The Highland Games." The documentary was released in early 2019 and is now being circulated through SFU social media channels.

Events, workshops, public outreach events:

1) St Andrews and Caledonian Lecture, 2019: Saturday, October 26th, at 2:00 PM featured Douglas Gibson (Order of Canada), former president and publisher at McClelland and Stewart, for his literary stage show: "GREAT SCOTS: Canadian Fiction Writers With Links To Scotland, From 1867 To Today."

2) St Andrews and Caledonian Lecture, 2018: To inaugurate the 20th anniversary celebrations the Centre held a public lecture and celebration on October 27, 2018, at SFU Harbour Centre, featuring Canada Research Chair in Atlantic Canada Communities at Saint Mary's University, Dr. S. Karly Kehoe, whose talk, "Histories of the Scottish Atlantic: Caribbean Slavery and the Highland Diaspora in the Maritime Colonies," was warmly received by a packed room. The event showcased local Scottish-Canadian culture, inviting the Vancouver Gaelic Choir to give a beautiful performance to a captivated audience. We also heard from some of the current and past recipients of CSS student awards and fellowships, including the current David and Mary Macaree Fellowship holder, History MA student Kaitlyn MacInnis.

3) On January 24th, 2019 the Centre also held a very special 20th anniversary Robert Burns lecture featuring Dr. Sierra Dye from the University of Guelph, who gave a talk entitled: "Dancing with the Devil: Tales of Supernatural Scotland From Witchcraft Confessions to Robert Burns."

4) On March 5th, 2019 the 78th Fraser Highlanders Association of Vancouver visited History 448 (Scots in the Atlantic World) for one of their famous Brown Bess Musket demonstrations as part of a discussion of the role Highland Scottish soldiers played in the Seven Years' War in North America. The Frasers donated \$500 towards student essay prizes.

5) The St. Andrews and Caledonian Society lecture, 2017 featured Dr. Andrew MacKillop, Senior Lecturer in Scottish History, University of Glasgow, Scotland, and was held at the SFU Surrey Campus.

6) The SFU Centre for Scottish Studies Annual St. Andrews and Caledonian Lecture – October 22, 2016 Held at the SFU Harbour Centre campus, this event featured Dr. Tanja Bueltmann Professor in History, Northumbria University. Dr. Bueltmann spoke on "The Scots in Asia, circa 1820 to the Present: A Story of Transience, Networks, and Ethnic Association." The event also featured SFU History Master of Arts candidate Mr. Grant Gillies speaking on "Atoms for Annan: An Analysis of Chapelcross, Scotland's First Nuclear Station" based on his thesis research.

7) SFU Centre for Scottish Studies Annual Tartan Day Lecture – April 8, 2017 featured Dr. Elizabeth Ritchie, Lecturer in Scottish History, University of the Highlands and Islands, Inverness, Scotland. Dr. Ritchie spoke on "The Adventures of Flora MacDonald: From the Highlands to North America and Back Again."

Also on the program was Dr. Holly Faith Nelson, Professor of English and Co- Director of the Gender Studies Institute, Trinity Western University, Langley, BC. Dr. Nelson spoke on "Reassembling the Scottish Self in Canada through Texts and Objects."

8) 2017: The second World Congress of Scottish Literatures took place June 21-25, 2017 at the Coast Plaza Hotel in Vancouver, BC. With its subtitle of "Dialogues and Diasporas," the conference aimed to focus on literature that reflects Scotland's relationships across the globe. The conference included many outreach activities designed to share research with the wider public. The opening event of the Congress, organized in partnership with the Indigenous Literary Studies Association's 3rd Annual Gathering, took place on National Aboriginal Day in Canada (June 21) and featured readings by three indigenous spoken word artists, Jordan Abel, Rain Prud'homme-Cranford and Samantha Nock, as well as a performance by the indigenous women's musical ensemble, M'Girl. All the plenary talks were open to the public and members of the public were invited to join the optional bus trip on Sunday, June 25 to the old Hudson's Bay fur trading post, Fort Langley, including lunch and a talk by Fort Langley tour guides on the history of Fort Langley and Scots in the HBC.

Additional documents:

Membership_signoff_form_DNzgqWa.xlsx

Rationale for the renewal of the Centre/Institute

The Centre is requesting a renewal for one year while it works on a plan for a 5-year renewal. The previous Director left SFU in May, 2020 when her term contract finished, and the current Director, Leith Davis, agreed to take on the role as Director and, in collaboration with a new Steering Committee, restructure the Centre so that it meets the current requirements for a Research Centre as established by SFU Policy R 40.01. The Centre has had a strong research profile since its inception. In its current manifestation, it conducts and mobilizes research in several specific areas of Scottish Studies and, with additional funding and faculty connections, is planning to develop those projects further as well as to expand its research profile over the next five years.

How the Centre/Institute enhanced research over and above what would have been accomplished by an individual faculty member?

SFU's Scottish Studies Centre is a small research centre that operates on a limited budget (roughly \$10,000/year from its endowment). Nevertheless, it has punched above its weight in previous years. It has strong ties to the community and serves to highlight SFU's research for the local public as well as to connect its researchers with colleagues in other similar

institutions in Canada such as the University of Guelph's Centre for Scottish Studies. In addition, the Centre puts SFU on the map internationally as it is a recognized location for Scottish Studies research and it has been host to three recent international conferences ("On The Edge: Transitions, Transgressions, and Transformations in Irish and Scottish Studies" in 2013 and the World Congress of Scottish Literatures in 2017 and the Celtic Studies Association of North America Annual Conference in 2017). Although the Centre is undergoing a transition at present with the ending of the contract of its previous director, with further funding and over time, the Centre can expand its research profile and attract new faculty and student members. In short, the Centre offers opportunities for collaboration, for funding, and for engagement and research mobilization that would not be otherwise possible if it did not exist.

Has the Centre/Institute accomplished its goals?

The Centre has accomplished its goals through

- generating research by faculty and graduate students
- mobilizing that research in the local, national and international communities through conferences symposia and social media
- collaborating with other units within the university (eg. The 2019 St Andrews and Caledonian Lecture, for example, was a joint venture between SFU Publishing and the CSS, and an introductory course on Scottish Gaelic, which will be released in Fall, 2020, is a joint venture with the Stavros Niarchos Foundation Centre for Hellenic Studies)

The Centre/Institute's goals for the next five years:

1) The Centre Steering Committee in collaboration with our affiliates will focus over the next year on conceptualizing its plans for applying for renewal in 2021. The Centre will be pursuing several different ways forward, growing its membership and exploring connections with Indigenous Studies, the African Studies Research Group in particular and also working with Kevin James, the Director of Scottish Studies at the University of Guelph on a SSHRC Partnership Development Grant focused on "Networking Jacobites."

KPI 1:

This goal will be measured by an expansion in the number of members both within the university and affiliated members and by the creation of further specific plans for connecting with Indigenous Studies and the African Studies Research Group. We will also include more specific plans for the Partnership Development Grant with Guelph in the application for renewal for another five years which will be done in April, 2021.

2) To enhance community engagement, including exploring potential support from the Scottish Cultural Centre Society, a charitable organization established to promote educational activities connected to Scottish culture.

KPI 2:

Financial support for the Centre's programs from the SCCS.

Changes planned upon renewal (e.g. membership, organization structure, etc.)

At a meeting on July 7, 2020, the new Steering Committee met to rewrite the constitution to make it compliant with SFU Policy R 40.01. Upon renewal, the Centre will actively seek to expand its connections within SFU, including to Indigenous Studies and the African Studies Research group, to pursue research connections. It will also be submitting an application for a SSHRC Partnership Development Grant with the University of Guelph.

Financial Summary**Does your institute receive direct financial support from the University?**

No

Financial Report:

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence:

Yes

External funding details:

SSHRC Collaboration Grant in 2016 for the World Congress of Scottish Literatures, 2017: Total of \$24,000.

The John F.F. MacDougall Fund for Community Engagement in 2013: gift of \$17,200

Confirm policy review

Yes

Submitted by:

Leith Davis

Director's Comments:

I have put together the materials for this report from the documents written by the previous Director that were given to me by FASS Associate Dean Maite Taboada upon my becoming the Director of the Centre in May, 2020. I've done my best to convey the activities of the Centre over the past 5 years, but I was not myself involved in the Centre from 2017 onwards, so the report may not reflect all the activities and research conducted.

Reviewer's section

Reviewed by:

Mary-Ellen Kelm

Decision:

Approved

Reviewer's Comments:

The Centre has seen a year of transition, with a new interim Director and the re-thinking of its vision for the future. The interim Director, Leith Davis, has submitted a strong proposal for how to continue the excellent work that the Centre has been carrying out in engaging with the local Scottish community, while at the same time strengthening the Centre's research profile.

Last Name	First Name	Institution	Faculty (If SFU)	Department (If SFU)	Active Member	Peripheral Member
Davis	Leith	Simon Fraser University	FASS	English	x	
Keough	Wileen	Simon Fraser University	FASS	History	x	
Windel	Aaron	Simon Fraser University	FASS	History	x	
Budd	Thomas	Simon Fraser University	REM	Environment	x	
Chisholm	Mike					affiliate: USCS Board of Directors (organizes ScotFestBC)
Bachup	Cilla					affiliate: St Andrews and Caledonian Society
Davidson	Rex					affiliate: St Andrews and Caledonian Society
MacKenzie	Niall	Simon Fraser University	FASS	Humanities		
Minard	Antone	Simon Fraser University	FaSS	Humanities/World Literature		
James	Kevin	University of Guelph				Director of Scottish Studies

By uploading this list, the Director certifies that all the members listed in this document have agreed to be affiliated with the Centre/Institute and approve of this renewal application

Report Type: Renewal Application

Reporting Year: 2020

General Information

Name of the Centre or Institute: Gerontology Research Centre
Website: <http://www.sfu.ca/grc>
Faculty: Arts and Social Sciences
Director: Andrew Wister (Direcotr)
Theodore Cosco (Associate Director)
Director's Term End: 2022-08-31
Renewal date: 2025-10-08

Details

Description of the Centre/Institute:

The Simon Fraser University (SFU) Gerontology Research Centre (GRC) was established in 1982 under the Social Sciences and Humanities Research Council's Population Aging Strategic Initiative. The Gerontology Academic Programs began at SFU in 1983 and the two units (GRC and department) create strong research, training and knowledge translation synergies. The GRC has served as a focal point for interdisciplinary research, education, and information on individual and population aging in several strategic areas at Simon Fraser University. As we approach the 40-year milestone, the GRC has matured into a phase of rapid growth in size, research activity, training of gerontologists, and societal impact.

The GRC supports a full-time Communications Officer; has an active publications and community outreach program, including our two newsletters ("GRC News" and "Seniors' Housing Update"); hosts workshops and conferences (John K. Friesen Conference in Gerontology, Ellen M. Gee Memorial Lecture); and provides free public lectures. The GRC maintains an exceptional national and international reputation as a top tier research centre.

The primary research activities of the GRC entail both basic and applied gerontology that can be organized around two interlocking research foci: 1) Healthy Aging and Population Health; and 2) The Physical Environment and Aging Well. These two research areas address individual and population health through enhancing individual, family and community resilience; innovations in health and community care; and age-friendly environmental modifications in community living and long term care. Given the emergence of new science in a fluid and growing discipline, the GRC has six interrelated sub-thematic areas:

1) Aging and the Built Environment — Research on planning, design, development and evaluation of housing, care facilities, community environments and enabling technology.

- 2) Changing Demography and Lifestyles — Examination of the impact of changes in the timing of life events and in retirement, pension and income support policy and programs.
- 3) Health Promotion/Population Health and Aging — Examination of determinants and consequences of population aging and health, development and evaluation of programs that assist seniors to improve their mental and physical health, resilience, ability to cope with chronic illness and prevention of disability.
- 4) Prevention of Victimization and Exploitation of Older Persons — Research and development of programs that prevent financial, psychological, physical and sexual abuse of older people, and facilitate access to rights and services.
- 5) Technology and Aging Research — Development and evaluation of technologies that support independent living and enhance quality of life.
- 6) Culture and Aging — Examination of ethno-cultural dynamics of aging, including access to services, diaspora, family relationships and resilience.

The Centre/Institute's membership and organization structure:

The GRC is a Schedule A Centre and comes under the direct authority of the Dean of Arts and Social Sciences. The GRC is governed by the GRC Steering Committee which provides guidance to the GRC Director; fosters the interests of the GRC within SFU and the wider academic community; reviews the position of Director and recommends reappointment or succession; reviews the strategic plan of the GRC and provides guidance in its primary goals, resources and feasibility.

The GRC Director (Prof. Wister) was appointed Sept. 1, 2016 for a 3 year term; renewed Sept. 1, 2019 for another 3 year term. The GRC appointed a new Steering Committee in 2017 to reflect the current aging-related research environment at SFU and updated its Constitution in 2018.

The Centre is overseen by a Steering Committee comprised of:

Andrew Wister, GRC Director, Professor, Gerontology, SFU

Theodore Cosco, GRC Associate Director, Assistance Professor, Gerontology, SFU

Habib Chaudhury, Chair/Professor, Gerontology, SFU

Scott Lear, Chair of GRC Steering Committee, Professor, Health Sciences, SFU

Nancy Olewiler, Director, School of Public Policy, SFU

Steve Robinovitch, Professor, Engineering Science, SFU

Dawn Mackey, Associate Professor, Biomedical Physiology and Kinesiology, SFU

Dan Levitt, Executive Director, Tabor Village

GRC Core People - Previous Five Years:

Director: Dr. Andrew Wister, Sept. 1, 2016–present

Associate Director: Dr. Habib Chaudhury, Sept. 1, 2016–Aug. 31, 2019

Associate Director: Dr. Theodore Cosco, Sept. 1, 2019–present

Research Associate: Dr. Gloria Gutman, Sept. 1, 2015–present

University Research Associate: Dr. Sarah L. Canham, Sept. 1, 2015–Aug. 31, 2019

University Research Associate: Dr. Sharon Koehn, Sept. 1, 2018–Aug. 31, 2019

University Research Associate: Dr. John Best, Aug. 1, 2019–present

Post-Doctoral Fellow: Dr. Theodore D. Cosco, Nov. 1, 2017–Dec. 31, 2018

Post-Doctoral Fellow: Dr. Susan Peters, Jan. 1, 2018–Dec. 31, 2018

Post-Doctoral Fellow: Dr. Lun Li, Sept. 1, 2019-present

Post-Doctoral Fellow: Dr. Daniel Gan, Feb. 1, 2020-present

Manager, CLSA Data Collection Site: Dr. Heather Stewart, Sept. 1, 2016–present (+12 RAs/staff)

Manager, CLSA CATI Site: Nicole Pernet, Sept. 1, 2016–present (+4 RAs/staff)

Statistician: Ian Fyffe, Sept. 1, 2016–present

Communications Officers: Aman Chandi/Kevin R. Wagner, April 1, 2018–present

Manager (department & GRC): Anne Marie Barrett, Spet. 1, 2015-present

Most significant accomplishments:

1) The GRC under director A. Wister is the SFU Canadian Longitudinal Study on Aging (CLSA) lead; one of 11 institutions across Canada and supports data collection at two SFU data collection sites. The CLSA is a 20 year study that has and will continue to bring significant grant funding (CIHR & CFI) to SFU. (see supplementary file). The CLSA is the largest population health survey in Canada's history that is following over 50,000 adults aged 45-85 for twenty years with data collection every three years. The GRC director (Wister) is the SFU lead on two CLSA laboratories (one at Surrey campus and one at the Vancouver Campus) that are contracted to collect these data. This has brought millions of dollars in grant money (CIHR & CFI) to SFU and will continue to do so until 2032. There are currently 16 staff connected to this work. Recently, the CLSA has pivoted in order to collect data on CLSA participants for a COVID-19 sub-study. Due to the significant amount of CLSA, as well as other tri-council, funding, the Gerontology department has received a Tier II CRC in Health and Aging with expertise in longitudinal research. In addition, GRC researchers have obtained several CIHR CLSA Catalyst grants and large data analysis grants over the last four years to build research clusters in health and aging. The GRC is known as a leader in population health research and action.

2) Recently, Dr. Cosco was co-Applicant on a CIHR Partnership Grant proposing to create the Consortium on Analytics for Data-Driven Decision-Making (CAnD3), which includes 30 partners including Canadian and international universities, government, private & not-for-profit sectors. CAnD3 will collaboratively develop, implement and deliver an innovative training program, Population Analytics in an Aging Society, to complement formal training in population research with skills to support evidence-informed decision-making. Anchored in interdisciplinary and intersectoral exchange, the 12-month program will deliver 130 hours of in-person and online training, 20 hours of cross-sectoral mentoring, 20 hours of peer-to-peer collaboration, and a minimum of 160 hours of experiential learning. The program will equip trainees with a leading-edge suite of data science, policy and knowledge mobilization skills, increasing their employability both in and out of academia. In conjunction with the School for Interactive Arts and Technology, the GRC will have \$250,000 in funds available to trainees through the CAnD3 program over the next five years. Initiatives such as these, highlight the diverse nature of the methodological approaches and content expertise available to trainees in the GRC. These funds will support several graduate students in the Gerontology Program, and will attract new post-doctoral researchers, adding to the strong group of current GRC staff.

3) The GRC supports an annual 1.5 day conference (John K. Friesen Lecture Series) and a series of lectures (Ellen Gee Memorial Lecture, Spring Lecture series, etc.). The last John K. Friesen Conference held at Simon Fraser University, June 10 & 11, 2019, was entitled, "Understanding and Fostering Resilience in Older Adults." The conference drew over 100 participants interested in the emerging field of resilience and aging. Ten national and international speakers who delivered keynote lectures at the conference, and several

additional invited international experts contributed to a forthcoming edited volume: *Resilience and Aging: Emerging Science and Future Possibilities* (Wister & Cosco, in press) being published by Springer. The Ellen Gee Memorial speaker last year was Merrill Silverstein, Marjorie Cantor Professor of Aging Studies, Syracuse University, USA, who is a world renowned expert in families and aging.

4) The GRC provides a strong training environment for training of early career researchers, which has also enhanced the research productivity of the centre. The GRC currently supports three post-doctoral or University Research Associates (URAs), and a statistical analyst. Another four post-doctoral fellows or URAs have been supported over the last five years. One of these (T. Cosco) has transitioned into a tenure-stream position in the Gerontology Department.

5) The GRC supports a full-time Communication Officer. This person leads the production of dual newsletter (GRC News and Seniors Housing Update - SHUP) on a regular basis; the GRC website; and contributes to all GRC outreach/community engagement activities. This raises the profile of the centre and SFU.

6) The GRC has been nimble in its adaptation to the COVID-19 pandemic. The CLSA data collection site had to adapt to remote work, and pivoted to collect data for the CLSA COVID-19 Study. All GRC 20 staff were converted to remote work, and none were laid-off. In addition, the GRC produced a Special COVID-19 Special Issue of the GRC News with 22 articles written by faculty, GRC researchers, graduate students, alumni, adjuncts, and seniors, covering a large spectrum of substantive topics. The GRC director (A. Wister) participated (with Isobel MacKenzie, BC Seniors Advocate) in a well-attended (250) Public Square on COVID-19: How is Grandma Really Doing? Caring for Seniors in the Community. Several additional research grants have been submitted to support areas of research related to the COVID-19 'gero-pandemic.' Finally, several articles and chapters on COVID-19 have been published or are forthcoming.

7) A total of \$6,724,785 in grant and contract funds have been directly awarded to researchers at the GRC over the last five -years (only includes funds coming to GRC). In addition, 5 books, 99 peer-reviewed articles; and 9 chapters; and 8 reports have been published over the last five years. This work has had a significant impact on academic and non-academic communities. A summary of GRC grants from 2015-2020 is available as a Supporting Document.

8) The GRC director (A. Wister) Chaired and Organized the 47th Annual Scientific and Educational Meetings of the Canadian Association on Gerontology entitled, Making it Matter: Mobilizing Aging Research, Practice and Policy, Vancouver, B.C., October 18-20, 2018. The GRC provided considerable support to the organization of this event. The GRC (director -Wister) Chaired & Co-organized five Friesen Conferences (1.5 days each) between 2015 and 2019.

Notable media successes:

The GRC has had numerous media successes over the last 5 years. Due to the extensive list, a full list can be located in the supplementary file. Some selected examples include:

SFU Public Square – How is Granma Really Doing? Caring for Seniors in the Community During COVID-19. May 21, 2020.

The Vancouver Sun – Ageism in the COVID-19 Crisis. April 29, 2020.

SFU Covid-19 News: How can seniors stay safe? March 26, 2020. Print and Video releases.

The Vancouver Sun -- COVID-19: So can I date? What's the best way to socially distance ourselves? By Susan Lazaruk March 2020.

Goodtimes.ca – “Nurturing Resilience” written by Wendy Haaf, December 2019.

University Affairs – “Only the Lonely” written by Kerry Banks, February 27, 2019.

Guest on CBC Radio BC Radio, Michelle Elliot Show, “Loneliness and Social Isolation Affecting Lives” September 13, 2018.

CLSA on the Hill (Ottawa) - The Canadian Longitudinal Study on Aging released its first report on health and aging in Canada in Ottawa with over 100 members of Parliament in attendance Tuesday, May 22, 2018. The report (funded by Public Health Agency of Canada).

A. Wister was a first author on the chapter Loneliness, Social Isolation and Social Engagement received considerable attention.

The Toronto Star - “Government should tackle growing problem of loneliness” January 21, 2018.

Guest on CBC Radio BC Almanac Radio, Lien Yeung Show, “How Loneliness Affects Lives” January 19, 2018.

Events, workshops, public outreach events:

The GRC director (A. Wister) Chaired and Organized the 47th Annual Scientific and Educational Meetings of the Canadian Association on Gerontology entitled, Making it Matter: Mobilizing Aging Research, Practice and Policy, Vancouver, B.C., October 18-20, 2018.

The GRC (A. Wister Chaired & Co-organized) supported five Friesen Conferences (1.5 days each) between 2015 and 2019. The John K. Friesen Conference Series in Gerontology is designed to meet the continuing education needs of agencies and individuals responsible for planning, administering and providing services to the elderly. Topics covered: Resilience and Aging; Social isolation and Aging; Long-term Care; Late Life Issues; and Technology and Aging.

The Ellen Gee Annual Lecture recognizes one of Canada's most distinguished social demographers, feminists and gerontologists who passed away in November 2002. She was a Professor in the SFU Sociology/Anthropology Department and had strong ties to the Gerontology Department and GRC. To commemorate her accomplishments an endowment fund has been established with an initial \$5000 contribution from university. The lecture has been delivered by many top international researchers.

The GRC supports a web site and produces several issues of the GRC News (plus Seniors

Housing Update) each year. It is sent to over 2,000 individuals, organizations, and older individuals locally, nationally, and internationally, who comprise our gerontology community (see supplementary file).

Additional documents:

- 1) Membership_signoff_form2_LooqsSz.xlsx (See attachment below)
- 2) GRC_2020_grc-combined-research-AMB_Fb0R0yN.docx (See attachment below)
- 3) GRC-News-Summer-2020_QAlLrOV.pdf (See attachment below)

Rationale for the renewal of the Centre/Institute

The GRC has a long history of making significant international, national and local contributions to academic and non-academic communities. It continues to support and expand several significant research networks, collaborative research grants, conferences and lecture series nested in the GRC, fund-raising activities, and post-doctoral and URA training fellowships, all of which lay a strong foundation for the GRC in its next phase of development. As current director, I bring 29 years of experience at SFU as a member of the Gerontology Department (including a decade as Chair of the department), and several terms as Acting Director of the GRC to this role. Furthermore, the full slate of GRC core personnel shown above are highly accomplished and prolific.

The GRC has attracted considerable endowments, grants and contracts that support a strong resource-base upon which to carry out its mandate, as evidenced by the material provided in the supplementary file. The GRC is also interconnected with the Gerontology Department and teaching programs, which benefits both units.

The GRC has secured extensive grant funding; generated a strong publication record; and is the hub for numerous collaborative research networks (see supplementary research file).

SFU is well-known in aging due to the successes of the GRC. Moving forward, it is important to continue to capitalize on new and existing research opportunities in aging so that the GRC remains one of the strongest gerontology centers in the country.

How the Centre/Institute enhanced research over and above what would have been accomplished by an individual faculty member?

Research productivity and community outreach have been the hallmarks of the GRC for almost 40 years. It represents the hub around which numerous research projects and activities are generated. As stated above, this includes numerous large research networks, clusters and collaborations within SFU, BC, Canada and internationally. The 11 core researchers and staff are a highly productive team that generates research outputs that could not be supported by an individual faculty member. The centre, as a unique entity, attracts research opportunities that are not available or sustainable by a single faculty member.

One example, is the involvement of the GRC in the Canadian Longitudinal Study on Aging (CLSA), the largest population health survey in Canada's history that is following over 50,000 adults aged 45-85 for twenty years with data collection every three years. The GRC director (Wister) is the SFU lead on two CLSA laboratories (one at Surrey campus and one at the Vancouver Campus) that are contracted to collect these data. This has brought millions of dollars in grant money (CIHR & CFI) to SFU and will continue to do so until 2032. There are 16 staff connected to this work (only two counted as core researchers). Due to this funding the Gerontology department has received a Tier I CRC in Health and Aging, which is being refilled (incumbent deceased last year) with a Tier II CRC position in the same area who will join the SFU CLSA research cluster. In addition, the GRC has received several CIHR CLSA Catalyst grants, and has developed a research cluster in CLSA data analysis on topics related to multimorbidity resilience, mental health and aging, and social isolation and aging topics. Two faculty, and four URA/post-doctoral fellows, who are core GRC members comprise this research cluster, which has tentacles to other SFU faculty in several faculties, and several faculty in universities around the world.

Has the Centre/Institute accomplished its goals?

First, the GRC is supported by a significant amount of endowments, grants and contracts allows it to attract top-level URAs and post-doctoral fellows; support a large staff complement, an annual lecture series (Friesen), invited lectures, visiting professors, and support its own communication officer and related communication strategies (e.g., web site, newsletter, etc.).

Second, the GRC core research team under strong leadership is an exceptional group comprised of both seasoned and developing researchers.

Third, the reputation of the GRC, as well as SFU generally, attract collaborative opportunities in aging. The largest challenge is that we need more human resources to keep up with the opportunities.

Fourth, the GRC and the Gerontology Department enjoy a symbiotic relationship. Faculty collaborate with GRC core researchers on a major projects. In addition, the teaching programs (Gerontology minor, post-baccalaureate diploma, MA and PhD) fill research assistantships and internships associated with the GRC, including, 20 positions linked to the CLSA since 2013.

Fifth, the GRC has extensive community engagement. A recent example is the GRC News Special COVID-19 Edition comprised of 22 articles produced by Gerontology faculty, GRC researchers, the STAR institute, Gerontology Alumni, graduate students, community contacts, and seniors (see supplementary file). This issue has received over 4,000 reads, and shared with all centre and institutes of aging in Canada through CIHR Institute of Aging, and was showcased in SFU News.

The Centre/Institute's goals for the next five years:

1) The GRC aims to enhance quality of life of older adults and promote system-level adaptation the most rapid period of population aging in the history of Canada. It will support and expand post-doctoral and researchers in residence; and continue to house a Communication Officer; produce two newsletters, “GRC News” and “Seniors’ Housing Update”); the annual John K. Friesen Conference in Gerontology, and Ellen M. Gee Memorial Lecture, as well as free Public Lectures.

The GRC will produce innovative approaches and products to meet the needs of older adults, especially vulnerable groups (e.g., those with mental health challenges; socially isolated; multimorbid; ethnically/racially marginalized; LGBTQ2+; long-term care).

KPI 1:

Key Performance Indicators (KPIs) include: a) the number and amounts of grant funding; b) number and impact of publications, including grey area work; c) community outreach; d) attendance at events; e) web site visits/newsletter reads; f) patents for new technologies; and g) attraction of new donors and endowments.

2) We have and will continue to be a national leader in soliciting grant funding, creating research, knowledge, and policy and practice changes to address gaps created by the current COVID-19 'gero-pandemic' (see GRC COVID-19 Newsletter and recent grants). The COVID-19 pandemic has revealed many gaps and issues related to care and supports for older adults. The GRC will play a major role in addressing these problems through research and knowledge translation.

KPI 2:

KPIs include: a) the number and amounts of grant funding; b) number and impact of publications, including grey area work; c) attendance at events; d) web site visits/newsletter reads; e) patents for new technologies; e) impact publications; and g) attraction of new donors and endowments.

3) The GRC will strengthen SFU’s interdisciplinary research capacity and training in gerontology by fostering strong research hubs across SFU and beyond, including private and public provincial, national and international networks.

KPI 3:

KPIs include: a) research funding of partnership and training grants; b) new collaborations; c) attracting high quality HQPs; d) connections with researchers across disciplines.

4) The GRC will continue to be a major research hub for the Canadian Longitudinal Study of Aging (CLSA). The GRC director (Wister) is the SFU lead (PI); and the associate director (Cosco) is the co-lead on the CLSA. The data collection activities will continue until 2032 at the two data collection sites. These sites are also involved in the CLSA COVID-19 Study, funded by CIHR and the National COVID-19 Task Force. The GRC also supports a CLSA

research hub in Resilience, Multimorbidity, Mental Health and Aging. Three CLSA CIHR Catalyst grant have been funded by core GRC personnel, and several grants have been submitted.

KPI 4:

KPIs include: a) grant funding success; b) high impact publications; c) new collaborations; d) attracting high quality HQPs; e) expanding connections with researchers across disciplines.

5) The GRC will develop a new flexible community-based model supporting the Living Lab (LL), which is one of its endowed research arms aimed at fostering innovations in environment and aging to enhance independent living, including evaluation methods to assess them. The LL was originally a shared site with BCIT at their downtown campus. In 2011, BCIT withdrew from the partnership in order to move the LL research site to the main campus, creating a vacuum. A renewed Terms of reference will be developed with SFU Advancement office. The revitalized LL model will develop, test and evaluate environment and aging (including technological) innovation in natural community settings in collaboration with targeted partners. The new LL model is being developed in conjunction with the interdisciplinary, multi-faculty GRC Steering Committee. A productive initial meeting supported the new model and a follow-up meeting will be set in the fall term, 2020.

KPI 5:

KPIs include: a) leveraging new funding consistent with the LL Terms of Reference; b) new collaborations with private and public sector partners; c) high impact publications; and d) new research personnel with expertise in evaluation of environment and aging innovations.

6) The GRC seeks to transition to an institute.

KPI 6:

Institutional support.

Changes planned upon renewal (e.g. membership, organization structure, etc.)

A number of changes and expansion of the membership has previously taken place since September 2016, at which point a new director was appointed (Wister). These include a new Steering Committee; an expanded number of URAs and post-doctoral positions; and a revived strategic plan. One upcoming change is that the Tier II CRC position currently being filled will be linked to the GRC CSLA research cluster, as well as other collaborative opportunities. It is also noteworthy that the GRC and STAR institute have made efforts to foster enhanced research activities in technology and aging.

Financial Summary

Does your institute receive direct financial support from the University?

No

SFU Account Number

21-S210063

Opening Balance

\$138535.66

Revenues:

\$223661.97

Expenditures:

\$266309.22

Closing Balance

\$95888.41

Financial Report:

See attachment below

Financial Contributions from the university:

The GRC Operating budget is generated from interest generated by university held Endowment funds. SFU provides a teaching release each semester to the GRC Director Dr. Andrew Wister.

List of major equipment provided by the university:

All of the GRC's equipment has been purchased from Endowment fund interest, external grants and contracts.

University Personnel:

All GRC staff are supported by interest from endowment funds and/or external grants and contracts. This includes a Communications Officer, Research Associates and Post-doctoral Fellows. The GRC also hires Research Assistants for short term contracts to work on specific projects.

Space provided by the university:

SFU has provided space to the GRC since its establishment in 1982. The space currently allocated to the GRC at Harbour Centre is 6 offices. Space allocated for CLSA research includes a phone lab and office at Harbour Centre, and a lab at the Surrey campus

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence:

Yes

External funding details:

Please see the Summary of external funding uploaded to Supporting Documents.

Confirm policy review

Yes

Submitted by:

Andrew Wister

Director's Comments:

The Gerontology Research Centre continues to be committed to the highest level of performance and achievement.

Reviewer's section

Reviewed by:

Mary-Ellen Kelm

Decision:

Approved

Reviewer's Comments:

The GRC is seeking renewal for a 5-year term. Active since 1982, the GRC continues to provide leadership in gerontology, hosting a number of research projects and sponsoring public outreach activities. It has mounted a particularly robust intervention on the relationship between mental health, aging, public policy and health care in the context of Covid-19.

SFU FAST System

Printed: 7/8/2020

Report Filter: User: abarrett Fund: 21 Specific Purpose Projects (SP) Project: S210063 Gerontology Ctr-Int From EndowPeriod: Mar-2020 (Closed)

Object	Description	Budget Original	Budget Adjustments	Total Budget	Mar-2020 Cur.Month	Mar-2020 YTD.Actuals	O/S Encumb.	Balance Available
Revenues								
4012	BC Grant General	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4100	Indiv - Grant	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4104	Indiv - Gift	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4162	Nonprofit - Contract	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4260	Conference Registrtn Revenue	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4680	Subscription Revenues	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4899	Other Revenues	0.00	0.00	0.00	0.00	-24,741.88	0.00	24,741.88
4920	Royalty Revenues	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal	0.00	0.00	0.00	0.00	-24,741.88	0.00	24,741.88
Expenses								
5285	Acad Salary-Internal Recovery	0.00	0.00	0.00	6,681.00	6,681.00	0.00	-6,681.00
5290	Acad Salary-External Recovery	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5372	Hourly Staff - Student	0.00	0.00	0.00	1,474.20	37,477.24	0.00	-37,477.24
5378	Salaried Staff-Students	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5416	Salaries Research Assoc	0.00	0.00	0.00	-8,902.68	59,907.88	0.00	-59,907.88
5430	Sals Non-Students RA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5436	Sals Masters RA Cdn	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5440	Sals Doctorate RA Cdn	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5442	Sals Doctorate RA Foreign	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5444	Sals Post-Doc RA Cdn	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5446	Sals Post-Doc RA Foreign	0.00	0.00	0.00	8,854.19	37,984.84	0.00	-37,984.84
5460	Sals Non-Students Hourly	0.00	0.00	0.00	6,095.89	50,546.68	0.00	-50,546.68
5462	Sals Non-Students Salaried	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5674	Sal Research Secretar-Clerical	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5785	Support Staff-Internal Rcvry	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5834	Stipends-Adm-Instr and Res	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5844	Invited Speakers Honoraria	0.00	0.00	0.00	0.00	5,325.39	0.00	-5,325.39
5862	Subject Payments - AP Only	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Object	Description	Budget Original	Budget Adjustments	Total Budget	Mar-2020 Cur.Month	Mar-2020 YTD.Actuals	O/S Encumb.	Balance Available
5911	Welfare Benefits	0.00	0.00	0.00	304.11	23,322.17	0.00	-23,322.17
6000	Offic Classroom Equip under 5K	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6010	Computer Hardware under 5k	0.00	0.00	0.00	0.00	2,891.72	0.00	-2,891.72
6090	Equipment - General under 5K	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6092	Equipment - General over 5K	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6100	Office Supplies	0.00	0.00	0.00	0.00	965.31	0.00	-965.31
6116	Books and Publications	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6120	Lab Equipment and Supplies	0.00	0.00	0.00	0.00	8.16	0.00	-8.16
6164	Software License and Purchases	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6199	Materials and Supplies - Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6512	Postage Courier and Delivery	0.00	0.00	0.00	14.23	103.95	0.00	-103.95
6514	Customs and Brokerage	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6516	Service Charges	0.00	0.00	0.00	0.00	3,000.00	0.00	-3,000.00
6520	Printing and Duplication Exp	0.00	0.00	0.00	0.00	691.88	0.00	-691.88
6610	Consulting Services	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6650	Advertising and Promotion	0.00	0.00	0.00	0.00	958.42	0.00	-958.42
6660	Telecommunication Charges	0.00	0.00	0.00	122.00	1,940.90	0.00	-1,940.90
6662	Long Distance Phone Charges	0.00	0.00	0.00	0.00	5.65	0.00	-5.65
6664	Cell Phone Charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6712	Food Services and Catering	0.00	0.00	0.00	0.00	1,100.48	0.00	-1,100.48
6772	Equipment and Furniture Rentl	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6910	General Program Costs	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6920	Repairs and Renovations	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6970	Petty Cash Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6972	Purchase Card Clearing	0.00	0.00	0.00	0.00	686.44	0.00	-686.44
6998	External Expense Recovery	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6999	Internal Expense Transfer	0.00	198,920.09	198,920.09	0.00	0.00	0.00	198,920.09
7000	Employee Travel Expenses	0.00	0.00	0.00	0.00	10,145.89	0.00	-10,145.89
7002	Employee Field Travel Expenses	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7020	Non-Employee Travel Expenses	0.00	0.00	0.00	476.99	476.99	0.00	-476.99
7022	Non-Employee Field Travel Exp	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7040	Conference Registration	0.00	0.00	0.00	0.00	706.38	0.00	-706.38

Object	Description	Budget Original	Budget Adjustments	Total Budget	Mar-2020 Cur.Month	Mar-2020 YTD.Actuals	O/S Encumb.	Balance Available
7042	Training and Development	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7044	Membership Fees - Individuals	0.00	0.00	0.00	0.00	502.86	0.00	-502.86
7050	Meals Expenses	0.00	0.00	0.00	378.68	1,229.04	0.00	-1,229.04
7054	Relocation and Moving Costs	0.00	0.00	0.00	1,134.14	1,134.14	0.00	-1,134.14
7060	Recruiting Expenses	0.00	0.00	0.00	0.00	425.00	0.00	-425.00
7099	Other Personnel-related Exp	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7414	MECS Internal Charges	0.00	0.00	0.00	0.00	13,203.06	0.00	-13,203.06
7418	Print-Digital Svcs Intrnl Chrg	0.00	0.00	0.00	0.00	4,787.75	0.00	-4,787.75
7430	Creative Svcs Internal Charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7460	Safety Risk Services Charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7468	Information Services Charges	0.00	0.00	0.00	25.00	100.00	0.00	-100.00
7499	Internal Charges - Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7500	Internal Recoveries - General	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7862	Credit Card Charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7900	InterFund Transfer To-From	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7910	Internal Capital Fund Transfer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7915	Budget Balance Forward	0.00	138,535.66	138,535.66	0.00	0.00	0.00	138,535.66
	Subtotal	0.00	337,455.75	337,455.75	16,657.75	266,309.22	0.00	71,146.53
Assets								
1300	Travel Advances Receivable	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	337,455.75	337,455.75	16,657.75	241,567.34	0.00	95,888.41

Gerontology Research Centre
Summary of Research; Publications; Conferences and Media Activities
2015-2020

Current Funded Research

2020-2021

Hsiung, R.: PI (Co-I: **Best, J. R.** et al.). Diagnostic and predictive biomarkers for Frontotemporal Dementia with TDP-43 pathology. *CIHR: Project Grant*. Total: \$100,000.

April 1, 2019-March 31, 2020

Markle-Reid, M.: PI (Co-Is: Whitmore, C., Fisher, K., Griffith, L., McAiney, C., Phillips, S., Ploeg, J., & **Wister, A.**). Explaining Self-Reported Health Among Community-Dwelling Older Adults with Multimorbidity and Depressive Symptoms using a Resilience Framework: An Analysis of CLSA Data. *CIHR CLSA Catalyst Grant*. Total: \$69,960.

2020-2026

Quesnel-Vallée, A.: PI (Co-Is: **Cosco, T. D.** et al.). Consortium on Analytics for Data-Driven Decision-Making (CAnD3): Developing Talent for Population Analytics in Aging Societies. *SSHRC: Partnership Grant*. Total: \$2,499,996.

2019-2020

Quesnel-Vallée, A.: PI (Co-Is: **Cosco, T. D.** et al.). Consortium on Analytics for Data-Driven Decision-Making (CAnD3): Developing Talent for Population Analytics in Aging Societies. *SSHRC: Partnership Grant (Stage 1)*. Total: \$19,956.

2019-2020

Cosco, T. D.: PI (Co-Is: Ester, M., Moreno, S. **Wister, A.**). Precision mental health: A stakeholder-informed, Big Data approach to psychological wellbeing. *AGE-WELL: Core Research Project Catalyst Grant*. Total: \$28,750.

2019-2021

Cosco, T. D.: PI (Co-Is: Ester, M., Moreno, S. **Wister, A.**). Artificial intelligence approaches to precision mental health: Convening experts and stakeholders to ensure the acceptability and feasibility of motion-sensing data-capture technology in older adult populations. *CIHR: Planning and Dissemination Grant*. Total: \$25,000 / \$50,000 (including fund matching from Digital Health Circle).

2020-2021

DeMarco, M. L.: PI (Co-Is: **Best, J. R.** et al.). Quantitative Isotype Profiling and Dynamics of SARS-CoV-2 Infections: Next-Generation Serology. *MSFHR: Covid-19 Research Response Fund*. Total: \$124,000.

2020-2021

Best, J. R.: PI (Co-Is: **Cosco, T. D.**, **Wister, A.**). Cognitive Aging in Canadian Women and Men: An Exploration of Environmental Contributors and Interactions with Individual Factors. *CIHR: Operating Grant*. Total: \$74,240.

December 2018-December 2020

Wister, A.: Co-I (PI: Nugus, P.; Co-Is: Denis, J-L., Sussman, R., Mitchell, C., **Wister, A.** & Steinert, Y.; Collaborators: Mazaniello-Chezol, M., Nies, H., Goodwin, N., Garcia-Barbero, M., Touchette, C., Ma, A., Ramdass, S. & Kadowaki,

L.). The “Mobilizing knowledge for elder empowerment” forum: Transferring lessons on coordination of health & social services for older people. *Social Sciences & Humanities Research Council (SSHRC)*. Total: \$24,850.

June 2018–May 2021

Chaudhury, H.: Co-I (PI: Phinney, A.; Co-Is: Mann, J., O’Connor, D., Cowie, H., & Wiersma, E.). Putting social citizenship into practice: reducing stigma and promoting social inclusion of people with dementia. *CIHR: Project Grant*. Total: \$669,376.

April 2018–March 2021

Wister, A.: SFU Lead/Co-I (PIs: Raina, P. Kirkland, S., & Wolfson, C). Canadian Longitudinal Study on Aging (CLSA) follow-up wave II comprehensive and tracking cohorts. *CIHR: Targeted 3-Year Direct CIHR Grant*. Total: \$41.6 million nationwide; Direct to Wister/GRC: \$874,633; to Data Collection Site FU2: \$551,556; to Computer-Assisted Telephone Interview Site FU2: \$323,086.98.

Completed Research:

April 2019–April 2020

Cosco, T. D.: PI (Co-Is: Kobayashi, L., Mackey, D., **Wister, A.**). Resilience and healthy aging across the life course: A longitudinal analysis of psychological wellbeing and physical adversity. *Canadian Institutes of Health Research (CIHR): Canadian Longitudinal Study on Aging (CLSA) Catalyst Grant*. Direct to Cosco/GRC: \$66,100.

April 2019–April 2020

Kirkland, S.: PI (Co-Is: **Cosco, T. D.**, Kobayashi, L., Keselj, V., Bosnjak, M., & Smuc, T.). A machine learning approach to identifying healthy aging: Developing healthy aging phenotypes and personas in the Canadian Longitudinal Study on Aging. *CIHR: CLSA Catalyst Grant*. Total: \$70,000.

December 2018–June 2020

Gutman, G.: Co-I (PI: Blaber, A. P.; Co-Is: McPherson, L., Scarisbrick, T., Tavololian, K. & Xu, D.) From orbit to bedside: Using space-based bed-rest techniques to study cardio-vascular and skeletal muscle-pump orthostatic reflexes with and without a strength and HIT exercise intervention to prevent falls in older adult patients after hospitalization. *CIHR*. Total: \$200,000.

April 2018–March 31, 2019

Gutman, G.: PI. Making it matter: Mobilizing aging research, practice and policy. *SSHRC: Connection Grant*. Total: \$25,000; Direct to Gutman/GRC: \$25,000.

October 2018–August 2019

Gutman, G.: PI (Co-Is: **Chaudhury, H.** & Carr, M.). A pilot clinical trial of an interactive digital technology (MindfulGarden) in treatment of disruptive behavioural and psychological symptoms of dementia in a care home setting. *Good Samaritan Delta View Care Centre, Ltd.: Contract*. Total: \$82,859; direct to Gutman/GRC: \$82,859.

September 2018–March 2019

Canham, S. L.: PI (Co-PI/ Lead Agency: Anthony Kupferschmidt (West End Seniors’ Network)). Convening grant for community dialogue on “promoting a healthy drinking culture in BC.” *Community Action Initiative: 6-Month Contract*. Direct to Canham/GRC: \$3,344.

January 2018–December 2018

Wister, A.: PI (Co-PI: Daniels, C.; Co-applicants: **Canham, S. L.**; Project Partners/Knowledge Users: Providence Healthcare & Catholic Charities Shelter Services). Determining the feasibility of a medical respite intervention study for older homeless patients in Vancouver, BC. *MSFHR: BC SUPPORT Unit Pathway to Patient-Oriented Research (P2P) Grant*. Direct to Wister/GRC: \$19,992.56.

November 2017–April 2020

Cosco, T. D.: PI. Resilience and healthy ageing across the life course: A multi-cohort longitudinal analysis of psychological wellbeing and physical adversity. *CIHR: Post-Doctoral Fellowship*. Total: \$150,000; Direct to Cosco/GRC: \$75,000.

November 2017–November 2018

Wister, A.: Co-I (PI: Jones G.; Co-Is: Duggan, M., Rose, D., Sims-Gould, J., Stathostas, L., & Young, B.). The ABCs of assessing physical literacy in older adults. *CIHR: Planning and Dissemination Grant*. Total: \$18,361.

April 2017–March 2019

Wister, A.: PI (Co-PI: **Canham, S. L.**, Bosma, H., & Mauboules, C.; Co-Applicants: Greater Vancouver Shelter Society & Providence Healthcare). Supporting partnerships between health and homelessness. *Greater Vancouver Shelter Society: Homelessness Partnering Strategy*. Direct to Wister/GRC: \$128,135.

March 2017–April 2020

Gutman, G.: Co-I (PI: You, J.; Co-Is: Howard, M., Kaasalainen, S., Sussman, T., Simon, J., Jayaraman, D., Kobewka, D., ... Heyland, D.) Improving advance care planning for frail elderly Canadians. *Canadian Frailty Network*. Total: \$2,676,698; Direct to Gutman/GRC: \$356,408

March 2017–March 2019

Wister, A.: PI (Co-I: Lear, S., Mackey, D., Rosin, M., & Schuurman, N.). A multi-level analysis of functional, social and psychological multimorbidity resilience and aging. *CIHR: CLSA Catalyst Grant*. Direct to Wister/GRC: \$70,000.

September 2016–December 2019

Chaudhury, H.: Co-PI. (Co-PIs: Whitehurst, D., McGrail, K., Bryan, S., & Lear, S.). Enhancing autonomy and participation in older adults of British Columbia: An evaluation the Better at Home program. Total: \$322,050.

September 2016–May 2019

Chaudhury, H.: Co-I. (PI: Keller, H.). Making the Most of Mealtimes (M3): Determinants of food intake in long-term care. *CIHR: Operating Grant*. Total: \$979,160.

Nov 2018–Oct 2019

Koehn, S.: SFU Lead/Co-I (PI: Brotman, S.; Co-Is: Ferrer, I., Orzeck, P., & Raymond, E.; Community Partners in BC: United Way of the Lower Mainland (UWLM), the Canadian Centre for Elder Law (others in Calgary, Montreal and Quebec)). Learning from the lived experiences of aging immigrants: Stakeholder outreach forums. *SSHRC: Connections Grant*. Total: \$44,655; direct to Koehn/GRC: \$6,120.

September 2018–August 2019

Chaudhury, H.: PI (Co-PI: Hung, L.). Innovating Together: WORKing with technologies in dementia care (IT WORKs). *Michael Smith Foundation Health Research (MSFHR): Reach Grant*. Total: \$10,000.

September 2018–August 2019

Gutman, G.: PI. Feasibility study of an interactive digital technology in reducing bathing-related agitation in a residential care facility. *AGE-WELL: SIP Accelerator Program Grant*. Total: \$39,979; direct to Gutman/GRC: \$39,079.

January 2017–December 2017

Wister, A.: PI (Co-PI: **Canham, S. L.**; Co-Applicant: Greater Vancouver Shelter Society). Evaluating the housing first approach in the Metro Vancouver Region. *Greater Vancouver Shelter Society: Homelessness Partnering Strategy*. Direct to Wister/GRC: \$53,147.

September 2016–January 2017

Wister, A.: PI (Co-PI: **Canham, S. L.**). Research into gaps in facility care for East Asian cultural groups. *S.U.C.C.E.S.S.: 6-Month Grant*. Direct to Wister/GRC: \$18,500.

March 2016–March 2017

Sixsmith, A.: PI (Co-Is: **Canham, S. L.**, Sixsmith, J., Battersby, L., & Fang, M. L.). Middle-aged and older adults' information and communication technology access: A realist review. *SSHRC: Knowledge Synthesis Grant*. Direct to Sixsmith/GRC: \$24,453.

April 2015–March 2018

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Invited Plenary Lectures, Keynotes, Distinguished Lectures and Panels:

Cosco, T. D.: Invited Speaker. (2020). Healthy Aging and Resilience. *Department of Psychology, UBC*, Vancouver, BC.

Wister, A.: Invited Panelist. (2020, February 20). Resilience and Aging. *Dalai Lama Centre*, Vancouver, BC.

Wister, A.: Invited Panelist. (2019, September 7) Resilience in the Face of Multimorbidity: Why do some older adults adapt better to adversity? *Xi'an Forum on Aging, CAHR, The Institute for Population and Development Studies, Xi'an Jiaotong University*, China.

Wister, A.: Invited Panelist. (2019, September 10) Innovation and Challenges in Gerontology Graduate Training in North America and Beyond. *Center for Aging and Health Research Institute for Population and Development Studies Xi'an Jiaotong University*, China.

Gutman, G.: Invited Panelist. (2019, February). Retirement ready. *Business in Vancouver: Business Excellence Series*, Vancouver, BC.

Canham, S. L.: Invited Discussant. (2018, November 17). Engaging older adults in conversations about their alcohol misuse. *Aging, Alcohol, and Addictions Interest Group Symposium at the Annual Meeting of the Gerontological Society of America*, Boston, MA.

Canham, S. L.: Invited Presenter. (2018, December 12). Health and psychosocial needs of persons who are experiencing homelessness upon hospital discharge. Invited presenter to the *BC Healthy Built Environment Alliance* at the *BC Centre for Disease Control*, Vancouver, BC.

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Canham, S. L.: Invited Panelist. (2018, November 24). Substance use disorders among older adults: New challenges and the road to creating national guidelines. *15th Annual Leadership Program for Physicians and Leaders in Long-Term Care*, Vancouver, BC.

Chaudhury, H.: Invited Discussant. (2018). Older adults and the interactional environment: Co-constructing place, space and identity. *Annual Scientific and Educational Meeting of the Canadian Association on Gerontology*, Vancouver, BC.

Chaudhury, H.: Keynote Speaker. (2018). What is the evidence on environmental design in care homes? *3rd Conference of the Alzheimer Association of Azores*, Ponta Delgada, Portugal.

Cosco, T. D.: Invited Webinar Presenter. (2018). A longitudinal approach to longitudinal research. Canadian Association on Gerontology. *Online*.

Cosco, T. D.: Invited Panelist. (2018). Pathways to interdisciplinary research. *Centre for Hip Health and Mobility*, University of British Columbia. Vancouver, BC.

Gutman, G.: Invited Plenary Addresser. (2018 April 30). Boomers, zoomers & super-centenarians: Changing demographics and the need for age-friendly housing in Canada. *Age-Friendly Societies Forum: Towards a World Adapted for Older Adults: Maintaining Quality of Life* at the *University of Ottawa*, Ottawa, ON.

Gutman, G.: Invited Addresser. (2018, June 26). Canadian Support for the WHO age-friendly cities initiative: History and lessons learned. *2018 International Healthy Cities Conference*, Taoyuan, Taiwan.

Wister, A.: Invited Panelist. (2018, March 2). Social isolation among older adults. *BC Care Providers Association*, Vancouver, BC.

Wister, A.: Invited Keynote Speaker. (2018, October 23). Social isolation and social engagement. *BC Health Officers Council*, Vancouver, BC.

Brayne, C. & **Cosco, T. D.:** Invited Presenters. (2017). *Population perspectives on healthy ageing. Bioengineering for Healthy Ageing Conference*, Barcelona, Spain.

Chaudhury, H.: Invited Speaker. (2017). Design for people with dementia. *School of Design at Hong Kong Polytechnic University*. Hong Kong.

Chaudhury, H.: Keynote Speaker. (2017). Evidence-based environmental design in long-term care facilities. *Eden Social Welfare Foundation Conference*, Taitung City, Taiwan.

Cosco, T. D.: Invited Panelist. (2017). Interactive publication workshop. *International Alliance of Research University's Demography, Health, and Ageing Conference*. Oxford, UK.

Gutman, G.: Invited Plenary Addresser. (2017 November 17). Elder abuse in the LGBT community: A hidden problem. *Elder Abuse Ontario Conference* at the *University of Toronto*, Toronto, ON.

Gutman, G.: Invited Plenary Addresser. (2017, October 19). Advances in advance care planning in Canada. *9th Congress of the Romanian Association of Geriatrics and Gerontology*, Bucharest, Romania.

Gutman, G.: Invited Webinar Presenter. (2017, March 1). Resident to resident aggression and violence in LTC, AL, Hospitals, *Canadian Gerontological Nurses Association*.

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Chaudhury, H.: Invited Discussant. (2016). Symposium: Reinventing dementia care environments; lessons learned from green care farms, *Annual Meeting of Gerontological Society of America*, New Orleans, LA.

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Wister, A.: Invited Keynote Speaker (2016, September 26). Inherent tensions between population aging and health care system reform: The future is fuzzy. *Council of Seniors Citizen's Organizations of BC*, Richmond, BC.

Conventions Organized and Chaired:

Wister, A.: Co-Organizer/Conference Manager (Co-Organizer: **Gutman, G.**). (2019, June 10-11). Understanding and fostering resilience in older adults. *28th John K. Friesen Conference*, Vancouver, BC.

Wister, A.: Co-Chair/Co-Organizer (Co-Organizer & Co-Chair: **Gutman, G.**). (2018, October 18-20). Making it matter: Mobilizing aging research, practice and policy. *47th Annual Scientific and Educational Meetings of the Canadian Association on Gerontology*, Vancouver, BC.

Wister, A.: Chair/Co-Organizer (Co-Organizer: **Gutman, G.**). (2018, May 16-17). Social isolation to inclusion. *27th John K. Friesen Conference*, Vancouver, BC.

Gutman, G.: Organizer/Conference Manager. (2018, May-11). *International Society for Gerontechnology 11th World Conference*, St. Petersburg, FL.

Gutman, G.: Organizer/Conference Manager. (2017, May 18–19). Promoting mental health in later life: Mobilizing knowledge into practice. Joint *26th John K. Friesen Conference* and *20th BC Psychogeriatric Association Conference*, Vancouver, BC.

Gutman, G.: Organizer/Conference Manager. (2016, May 16–17). Late Life Issues and Innovations. *25th John K. Friesen Conference*. Vancouver, BC.

Gutman, G.: Organizer/Conference Manager. (2015, May 14–15). Harnessing Technology for Aging-in-Place. *24th John K. Friesen Conference*. Vancouver, BC.

Symposia Organized

Chaudhury, H.: Co-Organizer (Co-Organizer: Bigonnesse, C.). (2018, November). Mobility and aging in place experience in urban settings among older adults living on cohousing and NORC. Paper presented at the *69th Annual Scientific Meeting of the Gerontological Society of America*, Boston, MA.

Selected Media Activities (TV, Radio, and Newspaper)

Chaudhury, H. (2016, January 14). De Hogeweyk: An innovative dementia village in the Netherlands. Interview by G. Ruiz. *The Journal* [Magazine article]. Washington, DC: AARP International.

Canham, S. L. (2019, April 10). The aging face of homelessness in North American cities. *The National Post* [Newspaper Article]. Vancouver, BC: Postmedia Group.

Canham, S. L. (2018, October 22). Access to affordable housing for seniors. Interview by C. Ruiz y Laza. *CARPe diem* [Television broadcast]. Vancouver, BC: JoyTV.

Cosco, T. D. (2020, March 31). How to nurture your resilience. *Good Times* [Magazine Article]. Toronto, ON: Bayard.

Gutman, G. (2019, January 16). Experts say better environmental design, staff training needed in wake of Okanagan care home deaths linked to aggression. Interview by S. Thom. *Global Okanagan TV News at 6* [Television broadcast]. Kelowna, BC: Global Television Network.

Gutman, G. (2020, June 5). Senior abuse and the pandemic. *Squamish Chief* [Newspaper Article]. Squamish, BC: Whistler Publishing LP.

Wister, A. (2020, April 29). Ageism in the Covid-19 crisis. *Vancouver Sun* [Newspaper Article]. Vancouver, BC: Postmedia Group.

Wister, A. (2020, March 20). COVID-19: So can I date? What's the best way to socially distance ourselves? *The Province* [Newspaper Article]. Vancouver, BC: Postmedia Group.

Wister, A. (2019, February 27). Only the lonely. *University Affairs* [Magazine Article]. Ottawa, ON: Universities Canada.

Wister, A. (2018, September 13). Loneliness and social isolation affecting lives. Interview by M. Elliot. *Michelle Elliot Show* [Radio broadcast]. Vancouver, BC: CBC Radio.

Wister, A. CLSA on the Hill (Ottawa) – The Canadian Longitudinal Study on Aging released its first report on health and aging in Canada in Ottawa with over 100 members of Parliament in attendance Tuesday, May 22, 2018. The report (funded by Public Health Agency of Canada) is on the CLSA website and resulted in numerous media reports on the social isolation chapter (Wister et al.).

Wister, A. (2018, January 21). Government should tackle growing problem of loneliness. Interview by Toronto Star Editorial Board. *Toronto Star* [Newspaper article]. Toronto, ON: Torstar.

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Wister, A. (2018, January 19). Loneliness in Canada. Interview by N. Hall. *Natasha Hall Show* [Radio broadcast]. Montreal, QC: CBC Radio.

Wister, A. (2018, January 18). New Minister of Loneliness in UK. Interview by J. D’Souza. *All Points West* [Radio broadcast]. Victoria, BC: CBC Radio.

Wister, A. (2018, January 18). New Minister of Loneliness in UK. Interview by S. Penton. *Sarah Penton Show* [Radio broadcast]. Kelowna, BC: CBC Radio.

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Wister, A. (2018, January 18). U.K. loneliness minister appointment highlights need for Canadian action: experts. Interview by L. Givetash. *The Globe and Mail* [Newspaper Article]. Toronto, ON: The Canadian Press.

Wister, A. (2017, June 1). Multimorbidity, resilience and aging. Interview by K. LaPoint. *Kirk LaPoint Show* [Radio broadcast]. Vancouver, BC: Roundhouse Radio.

Wister, A. (2017, May 27). Ethnic-specific long-term care. Interview by M. Janakiram. *Manusha Janakiram Show* [Radio broadcast]. Vancouver, BC: CBC Radio.

GRC News

COVID-19 SPECIAL ISSUE RISK, RESPONSE, AND RESILIENCE IN AN AGING COVID-19 WORLD

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SFU

GERONTOLOGY
RESEARCH CENTRE

COVID-19 special issue

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The current COVID-19 pandemic has raised the profile of gerontology and alerted experts working in academic, government, community, and private sectors to a new set of challenges. Older adults are at an increased risk of experiencing deleterious outcomes if they contract COVID-19, ranging from lasting health complications to mortality. They are also more challenged than most individuals and families with respect to adaptations to the physical distancing policy. These inequities are most pronounced for the most vulnerable older people in society, especially those living in long term care, assisted living or congregate care environments. The majority of COVID-19 deaths have been among this group. Furthermore, even though most older adults living in the community in private households are relatively healthy and active, the pandemic has produced greater levels of stress, social isolation, and barriers to meet day-to-day needs. Physical distancing has exacerbated many of the social issues that many older individuals face, covering a large spectrum of health care, economic, physiological, social, and psychological issues.

In response to this fluid and complex crisis that poses a plethora of unanswered questions, the Gerontology Research Centre and Gerontology Department decided to invite articles and commentaries from faculty, research staff, graduate students, and our student alumni to apply their area of gerontological expertise to the COVID-19 pandemic. We also invited seniors to add their voice to this compilation of pandemic perspectives. Remarkably, the GRC received 20 article and commentaries in support of this Special Issue. The title: *Risk, Response And Resilience In An Aging COVID-19 World* reflects the nexus of vulnerability and risk with positive and negative responses to these challenges, including innovation in applied research and development. The notion of resilience is foundational, since it captures the ability to bounce back from adversity, and balances pathogenic and salutogenic responses and outcomes (Antonovsky, 1979; Wister et al., 2016; 2020). The topics cover many issues relevant to persons working in the field of aging as researchers, students, and the many groups and organizations that provide services to older people, as well as seniors themselves. The areas are expansive, covering health care and community care systems, housing/homelessness, families, physical and mental health, death and dying, ageism, and personal experiences among others. These articles and commentaries underscore the need for

action, in terms of filling knowledge and data gaps, policy reform, and community-based approaches to supporting older people during this and future pandemics. Two themes run through these pieces—first, the need to think about how COVID-19 social problems have exposed a myriad of issues that will require our attention as we move beyond this pandemic; and second, the amazing ability of people and communities to coalesce around these challenges.

Indeed, the COVID-19 crisis has resulted in our gerontology communities coming together to harness a myriad of resources. Families, friends, and many community groups, often relying on volunteers (including our gerontology faculty and students) are providing supports to seniors to meet basic needs in a safe manner. The BC government, health authorities, and NGOs are also making important steps to serve the needs of seniors during the COVID-19 crisis. Yet, there is still considerable work to be done.

I want to extend sincere thanks to everyone contributing to the COVID-19 response, whether this is through your research, community work, or other forms of support. In particular, I want to applaud those of you who provide front line health care and/or community supports to older adults, especially the most vulnerable living in long term care and congregate housing.

In closing, it is hoped that this GRC Special Issue generates research, knowledge and program innovation and reform that will apply the expertise of the gerontology community and improve the lives of older adults facing the COVID-19 pandemic and beyond.



Andrew Wister is Director of the GRC

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Long-Term and Formal Community Care Gaps and Solutions

LIFTING THE CURTAIN ON LONG-TERM CARE IN THE FACE OF COVID-19: SOBERING REALITIES AND A TIME FOR REFORM

By Habib Chaudhury, PhD

LONG-TERM CARE HOMES are among the most vulnerable places for an infection outbreak with a high-risk population and risk of rapid spread. This underlying reality has painfully materialized as we witnessed care homes becoming the epicenter of COVID-19 in Canada and beyond. Rapid outbreak among residents,

front line workers' health and safety at jeopardy, shortage of protective gears and supplies, inadequate and inconsistent staffing, lack of effective response for residents with dementia, inadequate physical environment, communication gaps with family—are among the multitude of challenges faced in care homes with the

unprecedented outbreak. In some ways, the effected care homes have become like cruise ships with coronavirus outbreak—out in the sea and nowhere to dock. The heroic efforts of the front-line workers, healthcare staff, and management, as demonstrated by their dedication, commitment, perseverance, diligence,

passion, teamwork, and sacrifice have been one major redeeming outcome of the pandemic.

The sobering reality of COVID-19 has raised the curtain that has kept systemic gaps and fault lines in our long term care system out of our collective sight. The challenges faced by residents, care staff, and administration in this time of crisis do not represent failure or shortcoming of any particular group of organizations, providers or individuals, rather they are indicative of the limitations at the societal and structural levels in how we value the quality of care and housing for our elders. The challenges and gaps in funding, staffing, and provision of quality care and support in care homes are not new and have been brought up in media stories over the years. Regrettably, It has taken an outbreak of COVID-19 proportions to make those challenges come to focus in our collective realization.

Front line workers, i.e., primarily personal support workers or care aides are at the brunt of COVID-19's impact in long-term care homes. The notable gaps and challenges in this sector over the decades include: under-staffing (low care aide to resident ratios) and underpaid care aides (lowest paid care workers), staffing model that relies on casual or external agency impacting inconsistent (sometimes lacking adequate competence) staff, workplace safety challenges and lack of appropriately supportive organizational culture. In many care homes, the pandemic situation has exacerbated these issues leading to the high number of unfortunate deaths in residents and healthcare workers, not to mention the impact on mental health of the residents and care staff moving forward. In British Columbia, the provincial government's measures that included "single site order" (requiring most staff to work at one site), all workers to be paid unionized industry standards, commitment for full time works, have been effective in mitigating the spread

and impact of the outbreak. Although implemented to manage the immediate effects of this crisis, these policies need to be seriously considered, in their current form and variations, for longer-term implementation. These measure will not only prepare for a potential second wave of outbreak, but also address the pre-pandemic systemic fault lines.

The physical environment of a care facility has a critically important role in infection prevention and control. As COVID-19 situation is a current reality in care homes with outbreaks, it is too early to have scientific evidence on the effect of the environmental impact on outbreak management or mitigation. Nonetheless, based on evidence in past research, there are potential advantages of self-contained small homes (e.g., 12–16 bed households) with clustered arrangement of rooms, activity and dining areas—for more effective infection prevention and control, responsive management of residents with dementia and care interactions. Smaller group size provides the option to compartmentalize residents who might be at greater risk of infection, as well as isolate residents who are infected. Separating or grouping residents on floors with more than 60 residents and rooms with 2 or 4 residents is highly challenging. In conjunction with physical isolation, dedicated staffing would need to be established for effected residents to minimize transmission of the virus in the facility through staff. Majority of the residents in care homes live with dementia, who may have difficulty adhering to social distancing from other residents. They may have higher levels of anxiety at a time of isolation along with the reduced number of planned activities. A smaller group size facilitated by a household setting can provide the much needed hands-on or close-proximity care and support from staff at a time of an outbreak. Beyond the possible benefit for outbreak prevention and control, there

is evidence on the positive influence of small homes or household model on increasing residents' social engagement levels, decreasing anxiety and aggression, supporting mobility and reduced use of psychotropic medications.

Based on research in acute care settings, we know that single occupancy rooms are more effective in infection control than multi-occupancy rooms for infection control and overall quality of life including satisfying visits with family members, improved sleep patterns, meaningful privacy, personal control and a sense of belonging. For example, conversion of a single occupancy rooms to temporary airborne infection isolation room allows strategies to have bedrooms under negative air pressure. It's worth noting that US Centers for Disease Control and Prevention recommends that residents with known or suspected infection be placed in private rooms and preferably with their own bathrooms.

Additional design considerations that could be taken into account in long-term care infrastructure interventions include: a flex space (e.g., an activity space with Murphy beds) that may be used for overnight stay of staff, family accommodation in the resident rooms, and provision of a secured outdoor space. In a few care homes with COVID-19 outbreak, healthcare workers made the remarkable decision to stay on site 24/7 to control potential spread of infection due to their movement to their homes and the communities. Also, we need to consider the pros and cons of restrictions in family visitations and find a balance between ensuring resident safety and providing family care and emotional support. Having flexible space and design features in the facility would provide the option of overnight stay by family and staff. Availability and access to an outdoor space, e.g., terrace or garden, can serve as a useful resource for isolated residents to spend time in the outdoor

area by walking, sitting or gardening, and provide positive stimulation from exposure to nature. Other possible measures include—designation of isolation rooms (in facilities with all multi-occupancy rooms), lobby transition area staff and visitor screening, wider hallways, use of materials and finishes for flooring and counter tops that limit bacterial survival and transmission and easily accessible hand washing stations.

Incorporation of appropriate technology in the care home environment is an important area for change. Care staff have relied heavily on remotely connecting residents with anxious and caring family members in the community. There is a need for innovation and consideration of easily accessible communication technology (e.g., motion or voice controlled) that can be used by residents themselves for virtual socialization and stay connected with family, friends and the larger community. Many care home residents experience loneliness and depression, and these conditions could be aggravated due to visitation restrictions during a time of outbreak. In-room entertainment and opportunities for positive engagement for residents who are in isolation would be helpful to help reduce anxiety and negative affect of social isolation. Future infrastructure and technology investments need to consider these and other technology to support residents, staff and family as part of the designed environment of a care home.

Another important area is Advance Care Planning with residents and family members in the context of COVID-19. Although this is an emotionally difficult time for families, residents and staff, the value of having such discussions cannot be overstated. The goal is to ensure dignity and provide spiritual care and support to older adults and their care partners. COVID-19 had made us realize the acute reality of the fragility of life, especially those with underlying chronic health

conditions. There are several resources and support in place for advance care planning in British Columbia, including those from the provincial health authorities. This is also a moment to acknowledge the importance of support for palliative care programs and services. At a basic functional level, we need to recognize that family members and chaplains can be a valuable resource to provide for physical care and emotional support for residents at the end-of-life due to COVID-19 and arrange for safety measures with safe spatial arrangement and protective gears that can ensure their access to the residents.

A word of caution as we consider the environmental and care practice measures needed for better preparing care homes for a possible future outbreak—care homes are not hospitals, i.e., they are not designed or equipped to provide the hospital level of containment and care in a sustained way. We should not overreact and create quarantinable buildings that distract from the evolution of long-term care design from its legacy of acute care. It is important to find smart ways to implement the necessary and appropriate measures to increase resident and staff safety for a pandemic like COVID-19 and at the same time not lose sight of approaches that support residents' autonomy, dignity and personhood.

This is a time to galvanize our collective will and commitment to make meaningful and sustainable reform in long-term care on policy and practices by rethinking the current long-term care model. We need to embrace innovative care approaches, increase financial support to support policies and practices that prioritize residents' safety and quality of life, staff safety and work culture, investments in physical infrastructure, higher staffing ratios, consistent staffing models and increased wages for care aides. We are at a crossroads for long-term care homes. As politicians, decision mak-

ers, administrators, care home staff, families and elders, let's have an honest discussion on the question—how can we create a community of care that is authentic and honours our elders and their care partners (health care workers and families) in providing a safe environment without compromising dignity, values and comfort? A national task force should be convened with urgency to focus on ramping up existing efforts and generating innovative solutions.

Consultations, gathering of evidence, and decisions need to be made sooner than later. If we don't act in the foreseeable future, tomorrow may become the same as yesterday's news as we flip back to the past "normal" in a default mode of operation. This is the charge and challenge in the coming days.



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RETHINKING CARE FOR OLDER CANADIANS

By Laura Kadowaki, MA

The National Institute on Ageing reports that long-term care home residents account for 82% of COVID-19 deaths in Canada (National Institute on Ageing, 2020). The COVID-19 pandemic has exposed structural problems with long-term care homes that are the results of years of underfunding and neglect. Advocates and researchers have been raising flags for years about the inadequate staffing levels, health human resource shortages, and poor working conditions plaguing long-term care homes. Under normal conditions these problems result in poor quality care and negative care outcomes, under pandemic conditions the results have been deadly. With the nation's gaze currently on long-term care homes, the COVID-19 pandemic provides a policy window not just to reinvest in long-term care homes, but also to rethink their position within the broader continuum of care and how we should care for older Canadians.

Canadians have consistently expressed that they wish to remain in their own homes and communities for as long as possible. A recent survey of Baby Boomers and older adults found 86% of respondents wish to age in place (Mustel Group, 2020). The impact of COVID-19 on long-term care home populations will likely strengthen negative perceptions of long-term care homes and reinforce older adults' desire to be cared for in the home and community. There will likely always be a sub-population of older adults who will require intensive care in long-term care homes, and for these older adults we should explore new smaller scale models of care (e.g., Greenhouse model). These focus on quality of life and home-likeness rather than reproducing institutional environments that are less attractive, especially after the COVID-19 long-term care crisis. However, research from the Canadian Institute for Health Information (2017) suggests that up to one-third of residents in

long-term care homes could possibly be cared for with home and community-based supports. This policy option would not only align with the desires of older adults, but research also suggests that it can be a less costly option for care. For instance, research from Hollander and Chappell (2002) has supported integration approaches by showing that home care can be a less expensive alternative to long-term care homes, even after accounting for the costs of informal care.

Many provinces have now acknowledged these facts and have developed visions of providing care at home for older adults. However, they have yet to invest enough in the care required to make this a viable alternative for many older adults. For example, in BC the Seniors Advocate reports that despite 51% of home support clients being at high or very high risk of long-term care placement, most (86%) receive 2 hours or less of home support per day (Office of the Seniors Advocate, 2019). Furthermore, services that provide respite to caregivers (e.g., adult day services, in-home respite) also have been woefully underinvested (Office of the Seniors Advocate, 2015). The scope of home support services available in most provinces is also quite narrow and may exclude supports for instrumental activities of daily living such as transportation, housekeeping, meal preparation, and grocery shopping. During the COVID-19 pandemic, the need to provide such supports to isolated and frail seniors has been recognized as a priority through grassroots volunteer movements and community initiatives, with some funding support from governments. This raises the question of why providing support to isolated and frail seniors (e.g., assistance with shopping, social connection) should be a societal responsibility during a pandemic, but not at other times?

In the context of COVID-19 there is growing pressure for the Federal Government to become more involved in funding long-term care homes. The likely response will be to inject additional funding into long-term care homes, and this may help to alleviate problems over the short-term. However, focusing solely on long-term care homes would be short-sighted given stated policy objectives of providing care in the home and preferences for care of older adults. A more thoughtful approach would be to initiate a national conversation with Canadians on what type of care we want to provide to our older adult population; a necessary part of this conversation will be discussing how we can adequately finance an integrated care model. There is the need to formally recognize services such as long-term care homes, home care, and home support at the federal level as necessary services for older adults and to ensure that all Canadians are entitled to a general basket of services. Researchers have suggested that this could be achieved by expanding the Canada Health Act or introducing a separate tax-financed or social insurance scheme (Chappell & Hollander, 2011; Lanoix, 2017; Hébert, 2016). While such

an endeavour no doubt will be difficult, the alternative of continuing to neglect our older adult population can no longer be an option.

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CARING FOR THE CAREGIVERS SHOULD BE AT THE HEART OF LONG-TERM CARE REFORM

By Sienna Caspar, PhD

One of the most devastating aspects of COVID-19 is that it has been estimated that between six and eight out of 10 deaths in Canada—and half around the world—are of people living in long-term care homes. This tragedy has revealed significant gaps in care and has prompted governments to release new guidelines to help contain illness and deaths among residents and staff.

While important to fight the pandemic, temporary fixes, including sending in the military, will do little to make lasting improvements to quality of life for those in care homes. Almost one-third of Canadians 85 and over live in them and the number of people overall requiring long-term care is projected to quadruple to 690,000 in under 20 years.

The operation of private and public long-term care homes is already one of the most highly regulated areas of health care. Rules govern hallway widths, how often baths occur, timelines for assessments and care planning, bed rail heights, the temperature at which meals are served, how much space each person has at their dining table—and the list goes on. Yet these stringent regulations were ineffective in reducing the harm we are witnessing. Why? Because regulations have repeatedly stopped short of addressing a fundamental issue, which is the quality of working life for those providing the care.

Care aides provide 80% of the care in nursing homes. This unregulated workforce consists primarily of women, many of whom are immigrants or from marginalized racial groups. Long before COVID-19, research demonstrated that their working life needed to be vastly improved. We know that care aides account for the highest number of on-the-job injuries, more than logging, construction or mining; that without full-time hours with benefits, they work at multiple facilities to make ends meet; and that the majority express a desire to feel more appreciated and cared for by management. For over a decade they have been reporting stress due to increasing workloads and decreasing job satisfaction as

residents' needs became more complex. With no minimum staffing ratios, little control over how they get their work done, and a lack of resources, care aides frequently experience moral distress because of the tension between what they want to do for residents and what they can do.

Research repeatedly shows that poor working conditions, most often indicated by staff turnover and job dissatisfaction, is linked directly to poor quality of care and, in some cases, greater aggression towards residents and other workers. When staff members deserted a care home in Dorval, Quebec, dehydrated and malnourished residents were left lying in soiled linens, some for days. Rather than presume that these workers are heartless, we should instead presume that their employer did not respond to their valid fears and concerns about the pandemic and felt so powerless and disrespected that the only response they believed they had was to leave.

The vast majority of care aides carry on, working short-staffed, fearing for their health and that of their families, and short of supplies. They continue to have a strong sense of their work's worth, despite how our ageist society devalues it. At 7 p.m. every night, people around the nation applaud our health workers; I clap for care aides, often with tears of gratitude.

They deserve better working conditions not just now, but for the future, and because the lives they hold in their hands matter. So do theirs.

Regulations and quality reviews must address minimum staffing ratios (including provisions that ensure staff do not “work short” when team members call in sick), sweeping wage reviews (the average is about \$19 an hour), and the percentage of casual and part-time positions that can be converted to regular full-time positions with benefits. These reviews should assess staffs' access to supplies and resources, and their perceptions of discrepancies between written safety policies and daily procedures, such as when policy states that two staff members must lift a resident, but daily

care routines make that impossible. However, new regulations and standards won't make a difference unless our care homes are appropriately resourced to implement them.

When researchers like me ask what they need most, care aides say they want managers to hear and respond to their concerns; work-place conditions that create supportive, collaborative teams; and recognition for their work. When we do this, we empower care aides to develop and implement solutions to common workplace challenges—and, when galvanized, care aides can be unstoppable in improving care.

Across the world, people yearn to return to the way things were. That can't happen in long-term care. We need radical change. A starting point is the development of quality reviews that emphasize a profoundly simple idea—that when we feel cared for, we care better for others.



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TILL DEATH DO US PART: A NEIGHBOUR'S LOVE STORY IN SUPPORTING HIS SPOUSE LIVING IN CARE

By Dan Levitt, MSc, CHE

My neighbour Ken lives next door, his wife Maureen lives in a nearby long-term care home, a ten minute walk away. Until moving in earlier this year, they had lived together for most of their adult lives in the same house where they raised their children and where their grandchildren came to visit regularly. She moved into the care home earlier this year after nearly a decade of health decline due to the effects related to vascular dementia. A dedicated loving husband, Ken cared for Maureen at home until living in their house became unsafe for them both. Ken promised Maureen he would visit her daily; he thought nothing of this pledge—she would have done the same for him had the situation been reversed—a pledge they made to each other in their wedding vows.

Ken and Maureen's story began on the Canadian prairies where they met each other while studying in the University of Saskatchewan. Maureen's father was Premier Woodrow Lloyd who was responsible for implementing the universal health care plan that the previous Premier Tommy Douglas had introduced. At their wedding, Tommy Douglas gave the toast to the bride. The bride would graduate from University with a Bachelors in Education and became a teacher.

Not long after moving in to the care home, COVID-19 struck care homes around Greater Vancouver and soon visitor restrictions mandated through Orders issued by the Provincial Public Health Office allowed only one visitor per day. This was quickly followed by further restrictions resulting no visitation. As a result, Ken and Maureen, who celebrate their 60th Wedding Anni-



versary in June, may not see each other in person for the foreseeable future—not able to hold hands, to embrace each other, to kiss, to physically be there for each other!

Ken, like many others, understand that the virus is disproportionately impacting seniors and health care workers in nursing homes. Seclusion of the most vulnerable in long-term care has become a necessity, a difficult pill to swallow.

When I last checked in with Ken to see how he and Maureen were doing, he cut our conversation short due to getting ready for an appointment to digitally see his wife. On a regular basis, family members reconnect with loved ones living in nursing homes using donated iPads to bring couples socially together who are physical distanced due to the pandemic. Ken shared with me that he was hoping that on the call Maureen, an accomplished pianist, would serenade him playing her favourite tune, “Somewhere Over the Rainbow”, that she continues to perform by memory. For couples and families separated by the disruptive virus, teleconferencing is a game changer. It took physical distancing measures to create an innovative way to remotely connect with older adults in our lives. Children and grandchildren reach out and bridge the generational gap. Gerontechnology has the potential to increase vitality, health, well-being, and quality of life—continuing human development throughout the aging journey.

Innovation in long term care goes beyond the use of technology—it includes how meals are served in seniors’ rooms where previously they would dine together often in tables of four in homey-decorated dining rooms. Therapeutic recreation and group activities are much more restricted in how they are organized. As you might expect, bingo is a popular pastime in aged care communities. How do you play bingo when seniors are stuck in the rooms for most of the day? A simple innovation transforms doorways and long hallways of traditional nursing homes into a games room. There is no

C-19 in Bingo! Physical distancing may keep older adults separated but meaningful activities engages them and bring them closer to together.

Family caregivers like Ken know this is not a sprint—it’s a marathon, a long-haul flight. He understands that being there to care for others requires us to take care of ourselves first. Healthy eating, exercising, self care, good night’s sleep, prayer and meditation are essential.

For now, Ken takes comfort by looking through family albums, pictures of Maureen, remembering their first date and the lifetime of memories they built together and remains optimistic, that they will embrace again and hopeful that they will meet again. He is grateful for the health care workers who take loving care of his wife—they are the heroes who daily sacrifice everything to be on the front lines during the pandemic.



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Diverse Families and Precarious Caregiving

FAMILY MATTERS: CULTIVATING HEALTHY SOCIAL CONNECTIONS IN AGING FAMILIES DURING TIMES OF RISK AND UNCERTAINTY

By Barbara A. Mitchell, PhD

GIVEN THE CURRENT COVID-19 pandemic, many of us are experiencing profound uncertainty, strain, and anxiety in our daily lives. In particular, many of our senior family members are facing unexpected and unprecedented struggles and strife, whether living independently or in some other type of housing or institutionalized setting. Both the formal and the informal sector, the latter of which consists of both paid and unpaid family caregivers, are being incredibly stretched and stressed. And while there is enormous socio-economic and socio-demographic diversity (e.g., income, gender, ethnicity, etc.) in the health, well-being and resources in our aging population, some families and groups of seniors are especially challenged and are more vulnerable to adverse outcomes than others. These consequences can include a multitude of overlapping risks and threats in

areas related to physical and mental health/well-being, mobility, dependency, social isolation (including loneliness and depression) and in trying to maintain physical and social connections with loved ones, such as grandchildren. Access to health and community care, local amenities and other support systems may also be limited or compromised, making family even more important to fill these gaps.

Despite these emergent challenges and against the backdrop of a daily barrage of negative and often horrific sad and tragic stories of death and disease, like many of you, I have been very concerned about the welfare of many older adults, especially those who may be alone, afraid, or without protective supports. A recently conducted SSHRC-funded study of mine in Metro Vancouver (just prior to the COVID-crisis), focused on

aging families, ethnicity, and immigration and later-life transitions, including retirement. Preliminary mixed-methods findings of this research (entailing survey and qualitative interview methods) revealed that a significant minority of local families are struggling with many issues. Some of these challenges are linked to immigration contexts, mental health issues, concerns about children, and financial troubles and are related to, or created, by relationship stressors, employment, and housing situations. Undoubtedly, these issues have been exacerbated or magnified during current COVID-19 times.

Yet, in the face of these personal troubles and public issues, I have also been moved by the resilience and gallant behaviours of many people and the countless inspirational stories that we hear. From the selfless contributions tirelessly

provided by our front-line health care professionals to the expansive reach of community volunteers, to the kind and cheerful daily greetings extended to me by my neighbours during my nature hikes with my dog “Isabelle,” these daily acts of caring and kindness expose incredibly shiny silver linings. Indeed, these deeds and words, no matter how small, generate and reproduce positive “social contagions.” These activities also show how we are all inextricably interconnected as living, social beings on this planet.

The capacity to creatively and innovatively assemble our changing daily lives and social ties is particularly important as we age and are continually reminded of the impermanence of life. Inevitably, we will all experience loss, illness, and death during our life spans, as well as changes to our “convoys of social support networks” (Antonucci). Fortunately, and as gerontological studies and my personal observations consistently demonstrate, “family” is not a static or monolithic entity. Rather, it is an active and elastic social construct and is something that people “do” out of practical experience or necessity. Seniors and their caregivers, for example, will reinterpret and negotiate their personal and kin relations in response to changing life course circumstances, albeit not always under “ideal” circumstances. It is at this level that our work as gerontologists becomes invaluable as we strive to learn more about how we can best meet the needs of those who require emotional and instrumental help.

Indeed, as a gerontologist who studies, teaches, and works directly in the area of aging families, health, and communities, this pandemic further renews my fundamental belief that family matters, and that “blood is not thicker than water.” In short, our shared COVID-19 experience reinstates the fragility and precarity of life and our ecosystem, but also the core significance and value of family relation-

ships, regardless of whatever shape, form, or structure that they take. The meaningfulness of family is deeply revealed whenever we observe the enormous willingness and capacity of humans to cultivate and nurture family or family-like social connections. These close or intimate bonds extend beyond genetic or “blood” ties and surpass what some may traditionally conceive as “family.” We are also fortunate that we live in a time and place in which diversity within and among families is often celebrated.

Moreover, in British Columbia, many of us are lucky enough to have access to beautiful outdoor spaces and communication technologies (e.g., Telehealth, Skype, Zoom, Smartphones, etc.) that can help us to extend and nurture our social relationships. There are certainly limitations to new technologies in terms of abilities, access and replicating “real” human contact. However, for many, the chance to connect via virtual interactions has allowed many individuals and older adults to enjoy some level of comfort, assistance, and normalcy through regular contact, companionship, and engagement with others. Given that about 80% of all social support originates from informal sources, it is not surprising that the family will play an integral role in adapting to the COVID-19 era.

As we navigate uncertain waters for ourselves and for our families during this pandemic, we also need to take the time to pause, disconnect, and declutter. During these troubling times we now have permission for self-care and reflection, and to appreciate the fluidity, significance and varied meanings of home and family. Thus, we can take this as an opportunity to reimagine, reorganize, and plan for better futures, including improvements to policies (e.g., in long term care) and community programs. These efforts can make this world a better place for aging families by bettering our blue-

prints for healthier families and communities. We can also transform this crisis into an opportunity to not take anything for granted, and to applaud the incredible contributions made by our colleagues, our students, and for anyone working in the timely field of aging or gerontology. Moreover, we can see this pandemic as a “wake up call” to maintain and find new ways to prioritize home, family life, and our ecological environments. From this standpoint, we are in a better position to foster further resilience, reach out to others, and nurture our social relationships, not only within our own families, but within our local and global communities.

In closing, let us all be proud of our individual, collective, and shared social interests and our interwoven bonds at this time in history. We are at an important crossroad in that we have the creative and scientific capacity to redefine and reinforce the notion that “family matters” in society, to reform policies, and to improve institutional and community practices. In this way, we will be better able to cultivate, nurture, and support our seniors and their families and to “give back” to those who have scarified so much.



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FAMILY CAREGIVING DURING THE COVID-19 PANDEMIC

By Lun Li, PhD

The majority of aging Canadians receive support and care from family members or friends due to health reasons or age-related needs. Family caregiving is the backbone of the healthcare system and is essential in supporting people to keep healthy and active during the process of aging in Canada, as well in other countries. The outbreak of COVID-19 pandemic has created more barriers for caregiving, and adversely affected the wellbeing of family caregivers.

Family caregiving can be stressful, and family caregivers take a toll on their health, wellbeing and quality of life for carrying out caregiving tasks. The negative outcomes include caregiving burden, depression, and social isolation, to name a few. A considerable number of family caregivers live with their aging parents, grandparents, or spouse, and view other activities outside the home, such as work and leisure activities, as respite or relief from caregiving responsibility. Since the outbreak of COVID-19, work from home has become normal practice, and there have been severe limits on outside activities. When staying at home with both work and caregiving responsibilities, family caregivers likely experience more work and family interference and role conflict. Family caregivers also have little or no respite, and no respite services available for them to apply, which tend to further exacerbate their caregiver burden.

Intergenerational caregivers with caring responsibility to both depen-

dent children and aging care receivers are particularly vulnerable, considering that schools are closed since the pandemic. Intergenerational caregivers usually shoulder the most responsibilities in the family by assuming multiple demanding roles, including parenting, caregiving, and working. This group of family caregivers needs to make more effort to fulfill different roles and also deal with the pandemic, often by themselves. Family caregiving is associated with reduced employment and lower personal income among certain groups, particularly women, new immigrants, and/or those who are less educated. Given that the labour market is adversely affected by COVID-19, some socio-economic deprivation among family caregivers will probably be magnified.

In addition to the stress associated with caregiving, family caregivers also need to deal with new challenges affecting existent social support systems, thereby affecting their ability to take care of their loved ones. When older people live in senior housings, such as supportive living facilities and long-term care centres, their family members usually visit them regularly. This group of family caregivers tends to be the source of emotional support for seniors in these living environments, and the bridge to outside society. However, due to the fact that seniors in such living arrangement are the most vulnerable group of population and at the highest risk with COVID-19, different levels of public health authorities in Canada have to ban visitors to long-

term care homes and other living facilities. These high-risk seniors are unable to see their family members, go out for family gatherings or grocery shopping, or other activities. It is frustrating for both family members and seniors, and in some extreme cases, senior residents with critical health issue might die alone in care homes.

Nowadays, family members tend to live at some distance, and they take care of each other when someone is in need. Distant caregivers often take on various roles and perform most of the caregiving tasks related to health care, basic and instrumental daily activities, emotional support and other financial arrangements. It becomes difficult for family members or friends to travel to support loved ones at a distance as a result of the practice of social distancing and other restrictions. As a result, seniors who are living alone or residing in remote communities might be unable to receive the necessary support from others.

Since the outbreak of the COVID-19 pandemic, national and provincial associations of family caregivers in Canada have provided extra support programs, guidelines and other tips to facilitate family caregivers in this difficult time. In addition, caregiver support lines and virtual caregiver support groups are some resources available for family caregivers while maintaining physical distancing. The dissemination and uptake of information to family caregivers is particularly critical under pandemic crisis, since family caregivers may also need to deal

with complicated life situations, such as work from home, children home school, or even unemployed and so on.

The following information resources are useful:

- Government of Canada Advice for caregivers: <https://www.canada.ca/en/public-health/services/publications/diseases-conditions/how-to-care-for-person-with-COVID-19-at-home-advice-for-caregivers.html>
- Carers Canada Resources page: <https://www.carerscanada.ca/>
- Family Caregivers of British Columbia Resources page: <https://www.familycaregivers-bc.ca/community-resources/COVID-19-virus/>
- Caregiver support line: 1-877-520-3267
- Alzheimer Society of British Columbia Resources page: <https://alzheimer.ca/en/bc/Living-with-dementia/COVID-19-and-dementia>
- Dementia Helpline
- English: 1-800-936-6033
- Cantonese and Mandarin: 1-833-674-5007
- Punjabi: 1-833-674-5003
- Family Caregiver Alliance (United States) Resources page: <https://www.caregiver.org/coronavirus-COVID-19-resources-and-articles-family-caregivers>
- Caregivers Alberta Resources page: <http://www.caregiversalberta.ca/COVID-19-resources/>
- Caregiver support line: 780-453-5088 | 1-877-453-5088



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ELDER ABUSE AND COVID-19: EXPECT AN INCREASE IN ALL TYPES

By Gloria Gutman, PhD

The International Classification of Natural and Technical Disasters includes three types of natural disasters (hydrometeorological, geophysical, biological) and three types of technological disasters (industrial, transport, and miscellaneous). Over the years, Canada has seen its fair share of each type including, and of particular interest currently, pandemics—which fall in the category of biological disasters. Examples since 1900 include the Spanish Flu of 1918 which killed an estimated 50,000 Canadians, the swine flu pandemic of 2009–2010 where deaths in Canada totaled 428 and the SARS outbreak of 2003 which resulted in 44 Canadian deaths. In recent years climate-related disasters (e.g. floods, ice storms, droughts, forest fires) have increased in frequency worldwide and captured our attention. In Canada, these have resulted in few deaths but the economic and social disruptions have been substantial and thus highlighted. The recent COVID-19 pandemic has turned the spotlight back onto disaster-related morbidity and mortality and underscored the differential impact for older people in society, especially those in long-term care, congregate housing, as well as those with pre-existing health conditions living in the community. This inequality extends into many facets of seniors' lives, including elder abuse.

Elder abuse is recognized internationally as taking five main forms: physical abuse, psychological abuse, sexual abuse, financial abuse and neglect. Child abuse and domestic violence rates are known to increase during and after disasters. The headline in the Vancouver Sun

Canadian Jurisdiction	Total Cases	Total Deaths	Total Homes	Homes Affected	Percent of Homes Affected	Resident Cases	Staff Cases	Percent of all Cases	Resident Deaths	Staff Deaths	Percent of all Deaths
Alberta	6457	121	350	49	14%	498	258	12%	87	0	72%
British Columbia	2392	135	392	41	10%	309	191	21%	89	0	66%
Manitoba	289	7	261	5	2%	4	2	2%	2	0	29%
New Brunswick	120	0	468	1	0%	0	1	1%	0	0	0%
Newfoundland and Labrador	261	3	125	1	1%	1	0	0%	0	0	0%
Northwest Territories	5	0	9	0	0%	0	0	0%	0	0	0%
Nova Scotia	1034	55	134	12	9%	252	121	36%	49	0	89%
Nunavut	0	0	5	0	0%	0	0	0%	0	0	0%
Ontario	22751	1902	1396	358	26%	5435	2604	35%	1514	5	80%
Prince Edward Island	27	0	39	0	0%	0	0	0%	0	0	0%
Québec	41420	3401	2215	332	15%	6624	6079	31%	2758	2	81%

Table from Ryerson University NIA Long Term Care COVID-19 Tracker Open Data Working Group (2020, May 17)

May 19, 2020 was “Pandemic sparks significant rise in domestic violence across BC” verifying that COVID-19 is no exception to the rule. While there is little “hard data” available, given the known risk factors for elder abuse (prominent among them social isolation), there is every reason to believe that rates of elder abuse will also escalate during COVID-19. In the case of institutional abuse, there are examples from Hurricane Katrina that come to mind, of older adults in care facilities left to drown (35 in the case of St. Rita’s in New Orleans) and, from the Fukushima nuclear plant disaster (more than 125 patients were reported to have been abandoned by medical staff at a hospital six miles from the plant). With respect to abuse of community-dwelling older adults there are already reports from the British Red Cross of people purporting to be from their agency knocking on the doors of older people and taking their money to do shopping and not returning. There are also reports from the UK of people offering sale to older adults of testing kits that don’t exist. The Canadian Anti-Fraud Centre lists these and other scams and frauds that Canadians of all ages, but particularly isolated seniors and/or those with decreased cognitive capacity, need to beware of and avoid.

The action-oriented research team that I work with on elder abuse issues will be looking to raise awareness

among service providers in both community-based and institutional settings, of the potential for elder abuse during COVID-19. We are also looking to systematically document examples and develop case studies. Please contact gutman@sfu.ca if any come to your attention.



Gloria Gutman is the founder of the GRC and Professor Emerita at SFU.



CONSIDERING THE POTENTIAL IMPACT OF COVID-19 ON OLDER MEMBERS OF THE LGBT COMMUNITY IN CANADA

By Robert Beringer, DocSoSci, Gloria Gutman, PhD, Helena Daudt, PhD, & Brian DeVries, PhD

CCOVID-19 is a global pandemic that poses the greatest risk to older adults, especially those who have pre-existing medical conditions. However, little is known about how COVID-19 may be affecting marginalized groups such as older lesbian, gay, bisexual, and transgender (LGBT) persons. These individuals are especially vulnerable, given their overall poorer health and higher rates of disability, relative to cisgender, heterosexual older adults.¹ Research suggests that these effects are likely exacerbated by a general distrust of and reluctance to access healthcare on the part of LGBT persons based, in part, upon the cumulative effect of discrimination over the life course.² Complicating this further is that LGBT persons do not form a homogenous group; for example transgender individuals have unique health needs that often remain unmet given their invisibility within the health care system. This disengagement indicates that LGBT patients are left with healthcare needs that remain unmet. It is unknown if such unmet needs extend to older members of the LGBT community who have contracted COVID-19.

In addition to considering the impact of COVID-19 on older members of the LGBT community who have contracted the disease, it is also important to explore the experiences of those simply coping with the psycho-social environment created by the disease. Key to halting the spread of COVID-19 is physical and social distancing. This strategy includes maintaining a distance of two-metres from others when in public spaces; sheltering in place; and avoiding social gatherings. These latter two components of the strategy may have a differential impact on the LGBT community because LGBT older adults are more likely to live alone, be unpartnered, and not have children in comparison to their heterosexual peers. Further, LGBT older adults report high rates of loneliness, isolation, and depression in comparison to their heterosexual peers and it is unknown to what degree these conditions may be magnified by social distancing policies. Interestingly, a body of research also exists displaying that in response to discrimination over the life course, older gays and lesbians have developed a unique skillset to successfully cope with stigma, a phenomenon

described in the research literature as positive marginality.⁴ This may provide LGBT older adults with an enhanced ability to cope with the stresses of social distancing with outcomes compared to their heterosexual peers. Understanding the interplay of these multiple hypotheses could inform the development of strategies to minimize the negative effects of loneliness, isolation, and depression in the current and future pandemics.

Further, the older LGBT community comprises many whose lived experiences include another pandemic: HIV/AIDS. Colloquial evidence suggests that this current pandemic reawakens many feelings, thoughts, and experiences of living through a crisis that evolved over time, killing many and fostering stigma. News reports of the numbers of those infected, the number who died, the fear expressed by so many all have a reverberating familiarity, along with the empty streets and the heavy toll that nurses and physicians report in ER and ICU wards. Similar to the above multiple hypotheses, so too are there diverse responses to this second pandemic: triggering an angry and retraumatizing experience (of the fear, inadequate responses, and endless reports of illness, loss and death) and/or reinforcing a sense of competence and resilience in the face of crisis. Overriding these responses is that being HIV+ renders one even more vulnerable to this new virus and disease.

Lastly, there is a potential synergetic negative effect for older adults who are both LGBT and a member of a visible minority, a concept referred to as intersectionality. Early data from United States suggests that Black and Latino populations of all ages are suffering to a greater degree both in terms of the infection rate and the death rate. Further, there has been a marked growth in anti-Chinese sentiment during the crisis and little is known how such sentiment may affect one's decision to access care and/or cope under such conditions.

Based upon the framework that existing literature provides, it is vital that we explore the impact of COVID-19 on the population of frail older LGBT to ensure that they receive equitable care during the current pandemic and to better prepare for the future. Research needs to explore how a general distrust of healthcare systems among the older LGBT population might impact the decision and efforts to seek care during the COVID-19 crisis, and the degree to which intersectionality might amplify these concerns. In the present day, the buzzwords diversity and inclusion permeate mission statements throughout our country. To truly achieve these directives, it is essential that research is conducted with the goal of producing results that can inform policy and programs designed to address the unique needs and circumstances of the older LGBT community.

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RESPONDING TO THE NEEDS OF OLDER LGBT ADULTS DURING COVID-19

By Eddie Elmer, MA

In this edition of GRC News, Robert Beringer and colleagues summarize how COVID-19 has a distinctively negative impact on older lesbian, gay, bisexual and transgender (LGBT) older adults. They discuss issues like isolation, loneliness, health disparities, and fear of accessing healthcare due to real and perceived experiences of discrimination. They also cover aspects of resilience of the LGBT community. I would like to complement their commentary with some recent LGBT COVID-19 response community activities.

LGBT seniors who lived through the HIV/AIDS epidemic have developed strong coping skills, especially the ability to turn to friends and non-familial networks for support. In Vancouver, a social and recreational group called PrimeTimers has provided mutual support to older gay and bisexual men (and their allies) for over 20 years. While in-person meetings have been cancelled during COVID-19, group members have stayed in touch via an informative newsletter, videoconferences, and phone calls. Members have also joined forces to assist with grocery delivery and other errands for those who are homebound.

Most recently, as a member of the City of Vancouver 2SLGBTQ+ Advisory Committee, I participated in a Zoom session with some members of PrimeTimers to get a sense of their needs and challenges, and to think of ways the City of Vancouver could support them. Although this was largely an information-gathering session, I think the opportunity to see and hear each other was valuable in itself, regardless of the meeting's stated purpose. And contrary to the stereotype that older adults cannot or do not wish to use technology to stay in touch, these members had no problem using Zoom.

During this session, I was joined by Constable Dale Quiring, the LGBTQ2S+ liaison for the Vancouver Police Department. Dale is a strong champion of this community and actively encourages LGBT seniors and others to reach out to him if they need support of any kind (dale.quiring@vpd.ca).

In addition to meeting with PrimeTimers, I've also had meetings with local church groups looking to expand their outreach to isolated seniors. I am heartened by how many churches are now more accepting of LGBT people and actively trying to support LGBT seniors. Churches are definitely in a unique position to help during COVID-19 because they have 'boots on the ground' and know their neighbourhoods

well. Churches also have many vital, energetic seniors who are anxious to lend a helping hand to those in need. As is the case with the police, this is a great way to repair the historically strained relationship between LGBT seniors and the religious community.

One issue that bears mentioning is what social life will look like for LGBT seniors when we emerge from this pandemic. A large body of research has shown that chronic social isolation and loneliness can actually become self-reinforcing (see the City of Vancouver Seniors' Advisory Committee report on social isolation and loneliness). Ironically, the more isolated and lonely some people become, the more likely they are to become fearful of others, to withdraw, or to push others away. This cycle may be exacerbated in some LGBT seniors, whose experiences with stigma and discrimination may have produced lasting feelings of mistrust and a tendency to keep others at a distance. LGBT seniors must take steps to recognize these patterns and challenge the kinds of negative thinking and social perceptions that may stand as a barrier in reconnecting with people.



Eddy Elmer is a graduate of SFU's gerontology MA program and a doctoral candidate in gerontology at Vrije Universiteit Amsterdam. He is also a member of the City of Vancouver 2SLGBTQ+ Advisory Committee. His views are his alone and not necessarily those of the Committee or the City of Vancouver. He can be reached through his website: www.eddyelmer.com

Mental Health, Social Isolation, and Technology Responses

SFU STAR INSTITUTE COVID-19 RESPONSE, RESOURCES AND SOLUTIONS

By STAR Institute

MEASURES TO MANAGE the COVID-19 pandemic in Canada have included the introduction of physical distancing and advice to avoid unnecessary outings, both of which have created particular challenges for community-dwelling older adults. Our community partner, 411 Seniors Centres Society, Vancouver, noticed

that its senior members were experiencing technological challenges when trying to communicate and connect with their families and friends and identified a need for a list of resources explaining how to use basic modern communication technologies.

As an engaged research institute, The STAR (Sci-

ence and Technology for Aging Research) Institute prioritizes meeting the needs of community members and making positive, transformative impacts on their everyday lives. We initiated a project to compile a list of reliable resources that offer guidance on using basic technologies for older adults. As we learned more

about the various challenges older adults were experiencing in the community, we expanded the scope of our search.

On April 7, we launched the COVID-19 Resources pages on our website to make the results of our search freely available. It comprises two sections: one for seniors and one for researchers. The [COVID-19 Resources for Seniors](#) section has nine subsections, each with its own list of resources designed to help older adults and caregivers address the challenges they are facing during the COVID-19 crisis.

- [Technology Basics](#) lists resources that offer guidance on how to use various social media platforms and how to make video calls.
- [Community Support](#) includes information about BC211's Safe Seniors, Strong Communities program, Meals on Wheels services, and seniors' shopping hours and grocery delivery services offered by several local stores.
- [Health Services](#) lists various health-related apps, including the COVID-19 BC Support App and Self-Assessment Tool, that people can use not only to find information but also to access medical and prescription services.
- [Living Independently](#) includes a list of local restaurant food delivery services and apps that will remind people to take their medication and generally take care of their health.
- [Cognitive Health and Dementia](#) contains tips for family caregivers on how to use various technologies to connect remotely with their loved ones living with dementia and to address stress, anxiety, and confusion associated with the COVID-19 pandemic.
- [Mobility and Transportation](#) provides information on local transportation services, including a link to the ICBC driver licence remote renewal option for older adults, and links to various support networks.
- [Keeping Healthy](#) provides information on a wide variety of activities and online resources designed to help older adults maintain a healthy lifestyle during the COVID-19 pandemic.
- [Staying Connected](#) lists local services and technological resources that may help older adults connect and engage in meaningful interactions with their community, family, and friends.
- [Financial Wellness](#) has a list of resources to help older adults who are facing financial challenges as a result of COVID-19. The page also contains links to pages with information about how people can protect themselves from fraud at this time.

We focused on finding and listing local resources of specific relevance to BC communities and indicated the

areas of service by using hashtags (e.g., #Vancouver, #BC, #Canada).

We have also compiled a list of resources for the academic community: [COVID-19 Info for Researchers](#). These range from funding opportunities for research projects to resources and networks that facilitate collaboration among researchers, healthcare workers, policymakers, and community members.

Since the launch of our COVID-19 resource project, we have received a lot of positive feedback from older adults, community organizations and researchers. Our response to the COVID-19 outbreak has generated discussion about and shone a light on the digital divide faced by older adults. How willing are older adults to adopt and use technology and how much support can they access to help them learn to actually use that technology? Our next (and lofty) challenge is to understand how we might help older adults who are unable to access our site, to benefit from the resources we've compiled and to remain healthy, connected, and getting the most out of life during this challenging time.

We welcome your thoughts and ideas about the [STAR Institute COVID-19 Resources](#) and if you know of any resources missing please share them so we can include them! Send us feedback through our short survey linked at the bottom of each resource page. STAR is committed to providing resources that are useful during this time of need.

Visit our website: <http://www.sfu.ca/starinstitute.html>

Follow us on Facebook: [STAR Institute at SFU](#)

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Resources compiled by the STAR Institute team (Mineko Wada, PhD, Renuga Nagarajan, PhD, Andrew Sixsmith, PhD, Pam Borghardt, and Juliet Neun-Hornick)

THE IMPACT OF COVID-19 ON PRECISION MENTAL HEALTH: MOVING FROM SPRING LAUNCH TO EFFECTIVE PANDEMIC RESPONSE

By Susan Lowe & Theodore D. Cosco, PhD

AFTER COMPLETING THE catalyst year of the Core Research Project funded by AGE-WELL (Aging Gracefully across Environments using Technology to Support Wellness, Engagement and Long Life), Dr. Theodore D Cosco and I were thrilled to hear that our three-year *Precision Mental Health* project had been awarded the full \$474,000 and was due to commence on April 1, 2020.

During the Catalyst year, we convened a standing board of stakeholders comprised of health leaders, older adult care specialists, seniors' centre leaders, knowledge translation experts, computer analytics specialists and others to form a transdisciplinary stakeholders' group for the project. All appeared excited and ready to go!

Year one of three was to be devoted almost entirely to identification of older adults' mental health priorities; however, the COVID-19 pandemic has put this on hold. This phase of the project was designed to encompass focus groups, co-creation workshops, interviews, community

engagement events, and commercialization following the development of an 'early-warning system' to detect those older adults at risk of poor mental health and rapidly provide them with support leading to better mental health.

We had also begun to recruit members for an Older Adults Research Advisory Panel—patient partners to advise researchers at every stage of the project, from early ideas through intervention building and testing, to ensure that the research would be relevant and meaningful and the intervention feasible for the end users. Dr. Cosco had designed the project to have older adults define the precise mental health challenge that would be studied; undoubtedly COVID-19 will influence their perspectives as well.

With the arrival of the pandemic and temporary closure of the GRC, *Precision Mental Health* was placed on hold for the time being. Vulnerable populations of older adults in seniors' centres were understandably alarmed—"upside down," in the words of one of our community partners. Some centres were indefinitely

closed. With residents unable to visit with friends, family or each other, our community partners began to experience the impact of social isolation in the centres. It reinforced the idea that lack of physical contact is harmful to mental health. With physical distancing, the challenge of placing helpful technology in the hands of seniors was seen as a larger obstacle by many.

As these challenges mounted, the news media began publicizing statistics demonstrating the urgent need for change in the care of older adults. Awareness of seniors' mental health and its connection to social isolation has increased exponentially since the occurrence of the outbreak of COVID-19, as has the perceived need to improve seniors' mental wellbeing. Due to this increased awareness, a surge of available grants has arisen—in addition to rapid-response opportunities to 'COVID-ize' the research framework.

Recently we have been working on some of these COVID calls, which often have very tight turnarounds—as little as eight days in one instance. Accordingly, we needed to conceptualize, write, and



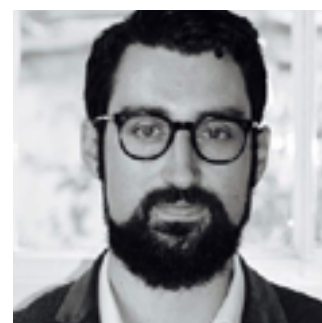
recruit required co-investigators and community partners at a break-neck pace. When we checked on *Precision Mental Health* stakeholders and welcomed their input regarding project topics in response to COVID-19, many were extremely busy dealing with issues including computer challenges resulting from the pandemic. Other community partners shared their members' challenges due to the pandemic. Among them was communication. For example, although video is seen as potentially a better communication tool than telephone, the additional technological barriers presented by video are acknowledged as being challenging for many older adults and perhaps 'not worth the effort'.

Through our new grant applications, we hope to provide an evidence-based framework for how many people are experiencing poor mental health during the COVID-19 pandemic and the reasons for which this is happening, with the intent that these findings would inform academic and public audiences from policy-makers to knowledge-users. We plan to use the findings from additional projects and

from stakeholders' COVID experiences to our advantage when we resume *Precision Mental Health*.



Susan Lowe is the project manager for *Precision Mental Health*



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Death, Dying and Unmet Health Care Risks

LEARNING ABOUT THE IMPORTANCE OF CARING IN LIFE THROUGH DEATH: PANDEMIC INSIGHTS

By Sharon Koehn, PhD

TEACHING A COURSE ON Death and Dying for the Department of Gerontology provides a unique opportunity to reflect on the novel corona virus (COVID-19) pandemic and our societal responses to it.

INSIGHT 01: History repeats itself and life, death and dying are fundamentally political

During the bubonic plague pandemic, com-

monly referred to as the Black Death (1348–1350) people received some sage preventive advice—stay at home with doors and windows shut. Other advice was less effective or advisable, such as ‘carry a disinfectant such as camphor, or amber.’ Jews were scapegoated and persecuted; they were accused of poisoning wells. While the rich were able to flee to healthy parts of the countryside, the poor living in crowded conditions

in towns, suffered the most. The ensuing social disruption is well documented, but the lessons of history appear to be lost on us.

Almost 700 years later, we are trying to prevent the spread of COVID-19 by staying at home and social distancing. But again, the politicization of this pandemic has exposed inequities. Around the world, diasporic Chinese have been scapegoated and continue to be the target of random

attacks in public. Crowded cities, like London in the United Kingdom (UK) and New York in the United States (US), have suffered the highest fatalities.¹ And while the more privileged switch to working remotely from their spacious homes, the poor—who are disproportionately people of colour and/or migrants—continue to provide essential services, processing and selling food, driving cabs, taking care of the elderly for low wages and minimal protection, etc. They are more frequently exposed to the disease and take it home to their families living in close quarters, and they are more likely to die.² The U.K.'s Office for National Statistics reports mortality rates twice as high in economically deprived areas (c.44–55 deaths per 100,000), as compared to those least deprived (c.23–25 deaths per 100,000).¹ Similarly, older people living in long-term care homes are 'prisoners of space' when they are housed in shared rooms of two to four: in Ontario, for example, residents of long-term care and retirement homes who comprise 1% of the population, yet account for 89% of the total deaths from COVID-19.³

INSIGHT 02: Epidemiology and demography interact and have social origins and consequences

Over the course of the twentieth century, most Canadians experienced increases in their standard of living and access to health care. We also saw advancements in medicine and medical technologies. Perhaps most importantly, public health measures, such as access to clean water, routine vaccinations against infectious diseases, and public and personal sanitation practices became widespread. Prior to these changes, death was often experienced as a relatively sudden event, typically due to infectious diseases, parasites or accidents, that could occur at any age and was witnessed by family members within the home.

By contrast, death for most is now more likely to involve "a long, slow fade" as Gawande⁴ puts it. People typically die at an advanced age from the accumulating effects of one or more chronic conditions, such as heart failure or dementia, and this takes time. Even illnesses previously understood as acute, such as cancer and AIDS, have now been rendered chronic through medical advances. In previously colonized countries, such as Uganda, however, AIDS infections of young adults succeeded in reversing the transition, with life expectancy at birth lower in 2000 than in previous years.⁵ When infectious disease claims the lives of working age adults, family income decreases, grandparents become caregivers, and there may be no-one to provide care for them as they age.

Life expectancy has been rising in Canada and many other countries; however it varies considerably across jurisdictions because it is governed to a great extent by social determinants of health, such as socio-economic status,

adequate housing and nutrition, clean water, and access to at least basic health care. In 2018, we were warned that the Ebola virus that was devastating West African countries could become a pandemic, but our confidence in our higher standard of living and more robust health care systems led most of us to turn a blind eye to the problem, even though similar levels of community vulnerability exist on First Nations' reserves. The extensive reach of COVID-19 has nonetheless shaken our confidence, challenging the notion that we are no longer susceptible to sudden death caused by infectious disease.

Like HIV/AIDS before it, COVID-19 also foregrounds the limits of medicine and technological intervention. Ventilators have been limited in their ability to save lives and some physicians have begun to speculate that they may have even caused more harm than good for some COVID-19 patients. Moreover, their shortage in many countries led to controversies over their rationing in favour of the young. Once again, we are reminded of the importance of preventive public health strategies, such as handwashing and vaccinations. More importantly, we are reminded of the importance of taking the time to care. The staff of one long-term care home in France eliminated the potential for COVID-19 transmission to residents by moving in with them for 47 days. This simple but radical approach to prevention saved lives and sent an important message to the residents: you matter.

INSIGHT 03: When death is hidden, the lives of older people seem to matter less.

In countries like Canada, where the epidemiological and demographic transitions are well established, death has long since been professionalized and sanitized. Gone are the days when people typically died in their homes and families prepared them for burial in simple coffins. Today, the dying are more commonly removed to specialized, sanitized sites, such as hospitals or complex care facilities, where they are enrolled in the professionalized rituals of disciplines such as nursing, medicine, and palliative care.⁶ Deaths are recorded statistically, and the funeral industry has blossomed. In hiding death from the casual public gaze we protect ourselves from the discomfort of accepting our own inevitable demise and feed the societal thirst for eternal youth. The willingness by some politicians and lockdown protesters to accept the deaths of the elderly from COVID-19 as a sacrifice needed to open the economy shines a glaring light on ageism.

INSIGHT 04: Caring about the lives and deaths of the elderly demands their inclusion

The last decade or so has nonetheless been characterized by some resistance to death denial and the exclusion of the elderly. For example, between 2008 and 2018, the rates of death in hospitals fell by 6%, balanced by a corresponding increase in deaths at home or in long-term care.⁷ Concerted efforts are being made to make palliative care available at home, and to adopt a palliative approach in long-term care that places the quality of life of the patient with a life limiting illness, along with their family members at the centre of prevention, assessment and treatment of physical, psychosocial and spiritual pain. By establishing goals of care with patients and families, care homes are seeking to avoid hospital transfers. In all settings, the goal is ensure dignity at the end of life. Persistent problems of availability and access to hospice and palliative care prevent almost half of Canadian palliative care patients from being discharged to home or a hospice setting before they die.⁸

Since 2016, Medical Assistance in Dying (MAID) has been legally available as a choice for people who are 'suffering intolerably' with an irremediable condition and are capable of consent. Opinions differ as to whether MAID goes too far or not far enough, with differences by gender, faith and ethnoracial background, but the voices of older adults in this debate are becoming louder. Similarly, the impetus behind changes in the 1990s to Adult Guardianship law and personal planning legislation was a grassroots law reform movement in British Columbia. These reforms gave rise to planning tools such as Advance Directives and Representation Agreements that, in theory at least, allow older adults to state their preferences for care as their health fails.

Why is all this important as we contemplate the disproportionate burden of suffering and death borne by the oldest among us during the COVID-19 pandemic? Without a doubt, there is so much that can be said about the failure of the health care system to meet the needs of older adults, whether they be in care or in need of assistance at home. Yet there are many advocates of promising practices—health and social care providers and decision-makers, academics and most importantly, older adults themselves—who prioritize the needs and wishes of older adults at the end of their lives and situate care as the focus of practice. And it is these practices that we need to build on as we create a better way forward.

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*Please note that some of these sources are provided to illustrate current conversations rather than as credible sources of evidence.

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DELAYED CARE-SEEKING BEHAVIOURS AMONG THE ELDERLY: THE HIDDEN MORTALITY OF THE COVID-19 PANDEMIC?

By Amir Moztarzadeh, MA

COVERID-19 is considered the most serious health crisis of our time with many social and economic consequences. In Canada (as of May 8, 2020), this pandemic has killed 4473 people which constitutes about 7 per cent of those affected. Among different countries, there have been variations in reporting and accuracy of COVID-19 mortality due to: number of people tested, demographics, characteristics of health systems, and other unknown factors, such as multiple causes of death (John Hopkins University, 2020). In addition, some older people may not be receiving necessary health care during the crisis, which may be deleterious to their health. Given that this pandemic is a fluid and complex situation, searching for its indirect impact on the health of older people, including causes of death, requires research inquiry. At first glance, these indirect considerations can encompass an enormous number of health and health care conditions, such as delayed or limited access to treatment for acute and debilitating disorders such as cancer, financial downgrading of care, food insecurity, etc. In general, it seems difficult to estimate the impact on total deaths from the COVID-19 disease because, in addition to the direct effects that are measured, there are also large indirect effects from the policy responses (Brookings, 2020).

Thus, the impact of this pandemic on health seeking behaviors among the elderly arises as an important area to consider. Health-care seeking behavior (HSB) has been defined as, “any action or inaction undertaken by individuals who perceive themselves to have a health problem or to be ill for the purpose of finding an appropriate remedy” (Latunji & Akinyemi, 2018). It is influenced by different personal characteristics, such as gender, age, knowledge of illness prevention, trust in physicians and having chronic conditions (Thompson, et al. 2016).

We know that the elderly population is more vulnerable to contracting COVID-19. In fact, about 36 per cent of positive cases are among persons 60 and over in Canada; whereas, about 90 per cent of deaths are among the group (Wister, Vancouver Sun, 2020). It is not surprising therefore, that healthcare seeking behavior has become even more crucial,

because of the inherent risk during this pandemic. Also, some older people may feel that the health care system is over-taxed due to COVID-19 cases. With the emergence of COVID-19 pandemic, it seems that there could be additional (and perhaps under-estimated) decline in health-seeking behaviors that could have major negative effects on the health of elderly population. If it is not addressed, this too can lead to subsequent mortality. Furthermore, physical distancing and its effect on social isolation might interfere with the role that formal or informal caregivers play in connecting older people to needed health care.

Overall, in consideration of the costs and casualties of the COVID-19 pandemic, it is important to pay attention to the full spectrum of healthcare behaviours, in order to better understand the consequences that might stem from quarantine and other policy measures. I am confident that many scientists are closely investigating the numerous indirect impacts of COVID-19 with evidence-based research in the days and months to come.

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Resilient Community Services, Seniors Voices & Volunteerism

SENIORS' CENTRES AND COVID-19: CHANGING HOW WE CONNECT

By Anthony
Kupferschmidt, MA

AT THEIR HEART, SENIORS' centres are about bringing older adults together. A seniors' centre is a space for older adults to gather, to talk, to share stories and food, to learn and play together, to support one another. A seniors' centre is about connection.

I work for a multi-site seniors' centre, the West End Seniors' Network (WESN) in Vancouver. I could say I work 'at' a seniors' centre, but I am writing this from home. We temporarily

closed our locations to the public in mid-March 2020 and put almost 70 different programs on hold.

By its very nature, COVID-19 forces us to be physically distant. It can cause us to self-isolate. And when BC's Seniors Advocate calls on older adults to stay safe at home, that is counter to the traditional model of a seniors' centre. When so much of what you do is about connecting older adults, how do you ensure

you can assist them to stay at home in a pandemic?

And yet, that is exactly what we and other seniors' centres have done.

Prior to COVID-19, WESN offered a multitude of social, recreational and educational programs. But we also provided supportive services like check-in phone calls and grocery shopping and delivery to ensure that older adults can live as independently as possible in the community. This positioned us to quickly pivot to a pan-

demic modality. We called all members and clients and quickly expanded our grocery service to meet the unprecedented demand. We also ramped up various services by phone such as housing navigation and information and referral.

The Ministry of Health named WESN as one of 24 COVID-19 Community Response Hub agencies across the province. We found ourselves serving a much larger geographic area than we traditionally cover, and working with new and existing partners to provide new services such as prepared meal delivery and prescription medication pick-up and drop-off.

Our neighbourhood has the highest proportion of older adults in Vancouver living alone, a major correlate of social isolation. By connecting one-to-one with each of our members and clients, I was first struck by the incredible resilience of the older adults in our community. The vast majority were coping with the risks and restrictions imposed by this pandemic, but were extremely grateful for the check-in. They were already well connected with their neighbours and had people who were checking in with them and bringing them food. Many also wanted to volunteer to call other older adults in the community. I should not have been so surprised by the hardiness I saw in our neighbourhood, but I was.

Yet, we also observed firsthand the challenges that some older adults were facing. We have spoken to many experiencing extreme loneliness, and we are connecting with some seniors on a daily basis. Others reported being cut off

from their usual physical connections with family members and friends who would bring groceries or meals. Indeed, some people were falling through the cracks between the supports offered by community-based organizations and services provided by the regional health authority, which was under severe pressure to focus on COVID-19 testing and treatment in the acute health care system. We also learned about and responded to experiences of elder abuse from individuals who we might not normally speak with in such a safe and direct manner. We heard from some seniors who were afraid to use the laundry room in their building due to the risk of contracting COVID-19, and others living in fear of ageist neighbours harbouring resentment about recent job losses and concern about contracting COVID-19 from an older adult.

Many gaps remain in what we can offer. I ran into one of our members on the street who desperately wanted to know when our locations would be open again so they could use a computer. They were unable to afford a computer and internet access on a fixed income, and our computer lab was a lifeline for her.

At the outset, many of our programs were also not designed to function well remotely. Like many other centres, we have had to devote much of our time to turning our organization into a seniors' centre without walls by offering social, learning and physical activity programs online. Remote technological adaptation was also a challenge for our staff, none of whom had worked in this man-

ner prior to COVID-19. WESN had to purchase whatever was needed to create ergonomic home offices for a still-yet-to-be-determined period of time.

We also found that many of our most active volunteers were on hold. In some cases, this was simply because our locations were closed. In other cases, this was because the majority of our volunteers are themselves older adults, and they (rightly) made the decision to stay safe at home.

With that being said, many of our volunteers were incredibly resilient and shifted right along with the circumstances. Where before they visited older adults, they now called clients to ensure that they felt connected to the community. And where we had other gaps in our volunteer base, hundreds of new individuals came forward to offer their support. For example, dozens of new younger adults joined our volunteer force to assist with the grocery shopping and delivery service.

In addition to providing programs, services and points of connection, seniors' centres are important advocacy organizations for older adults in the community. For example, while we were adapting our programs, adding new ones and serving more older adults than ever before, we also worked with our partners in the Alliance of Seniors' Centres of BC to advocate to the federal government to extend the tax filing deadline and maintain Guaranteed Income Supplement (GIS) levels. Seniors' centres regularly host income tax clinics in March and April to ensure that older adults can maintain their financial benefits. It took orga-

nizations like ours writing to the federal government to ensure that COVID-19 did not exacerbate these challenges.

There is no denying that COVID-19 has put incredible pressure on seniors' centres. Many across the province are lean or precariously funded, and they face both additional expenses and significant fundraising shortfalls in the face of this pandemic. Not all independent seniors' centres may survive, and even those run by municipalities are experiencing challenges. Thankfully, our funders at all levels have been flexible, allowing us to deviate from the deliverables in our contracts and instead redirect the funds to the areas of greatest need. This level of support is crucial for our sector during these uncertain times.

By identifying and working with the COVID-19 Community Response Hub agencies, the provincial government has acknowledged the importance of community-based seniors' services in the lives of older adults under both normal and extreme circumstances. Our sector has 'stepped up' in response to this pandemic, but we will need to continue to have our voices heard so we aren't forgotten when COVID-19 is but a memory.



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COMMUNITY-BASED SENIOR SERVICES: A CRITICAL SUPPORT SYSTEM DURING COVID-19

By Glauca Salgado

The COVID-19 pandemic has rapidly changed the daily lives of many older adults in Canada. As cases in the country surpass a striking 73,000 in mid-May, and physical distancing is the main approach to avoid spreading of the disease, many older adults have been experiencing loneliness and isolation. Although social isolation is not an issue exclusively related to age during this crisis, physical distancing consequences are a concern among the older adult population. Staff members who work at Community-based Seniors Service Centres in the Great Vancouver area have been dedicated to support their older community members obtain essential services during this pandemic.

These organizations have trusting relationships with their older adult participants. And even while officially closed, some of these centres began providing friendly calls to check how their older adult participants were coping during the COVID19 crisis. These calls provided critical information, including the fact that a significant number of older adults, frail and healthy, were not accessing a full range of groceries, hygiene items, and even medication. According to staff members who collected answers from older adults, this was primarily due to concerns of contracting the virus, the inability to access safe transporta-

tion, challenges to use online shopping, and in some cases financial constraints.

Frog Hollow Neighbourhood House is one Community-based Seniors Service that provides support to a range of disadvantaged individuals living in their community catchment area. This includes older adults, as well as visible minorities in the East Vancouver area. They have temporarily intensified food security programs by providing grocery delivery to older adults and their families. Also, Frog Hollow Neighbourhood House (FHNH) has been providing tablets and over the phone technology training, based on the fact that they have identified that many older adults are struggling with anxiety and loneliness and need to be connected to online services. As an organization dedicated to supporting many older adults who do not speak English, they have created informative manuals in English and Cantonese to help older adults use useful technology platforms during the crisis. In addition, FHNH has intensified friendly calls to older adults and any other older adults who are referred to them in an effort to relieve anxiety and distress due to social isolation and/or discrimination. According to staff members, besides having to cope with the stressful situation of COVID-19, some visible minority older adults have expressed anxiety about going for a walk or even grocery shopping because they fear being targeted by violent, discriminatory behaviours. Issues of food insecurity, social isolation and discrimination are previously existent problems in the community that are becoming pronounced during this crisis.

Another Community-based Seniors Service Centre in the area of West Vancouver has almost completely converted their activities centre to a support-based centre. After completing 6,761 phone calls, this organization has realized that their older adult members were avoiding going out and had difficulties accessing online grocery services due to a lack of digital literacy. To support its older adult members, during check-in calls, West Vancouver Seniors Centre started offering hot meals and grocery delivery. As these services became known in the community, more

older adults (members and non-members) began to access the West Vancouver Seniors Centre. Access to hygiene items, information about COVID-19, accessing health care for other medical conditions, and how to refill prescriptions were among the issues brought to the attention of staff members. These needs have been addressed by providing care packages, including information about the Seniors Helpline.

While more older adults are receiving support from Community-based Seniors Centres, staff members are concerned that once COVID-19 is under-control, there will be a lack of financial resources to support all older adults who are now accessing these centres. Also, as financial resources will soon have to be redirected to the activity's programs, there may be a shortage of staff and financial resources available to support the diverse needs of this population.

Although this has been a challenging health crisis for every individual in Canada, this might be an opportunity to improve senior centres and community support systems for older adults. This begs the questions: how will these individuals be supported after this crisis? How can we keep them connected? And is this a chance to better support community-based Seniors Services?



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SENIORS VOICES ON COVID-19

By Kay Dennison

Over the past couple of months as we travel through the COVID-19 pandemic, I am aware of the concerns of older adults and their struggle to adjust to a world of social isolation. They have now become personally isolated from family, friends and a comfortable and predictable routine. Many older adults will now be relying on lessons learned over a lifetime of having to be resilient as never before.

I have been making weekly phone calls to older adults who were receiving services from the Better at Home program before COVID-19. Some of these services can no longer be provided because of the social distancing requirement. Over the past 2 months I have heard that the isolation, anxiety and fear during this pandemic is beginning to impact some older adults ability to handle their emotions of loss, past memories of a birthday, wedding anniversary, partners in care and in some cases the death of a life partner with no funeral or celebration of life allowed to be held. The lack of a hug, handshake, to hear words of love and support, to tell the stories to mark the life of the deceased are devastating. Several people have been diagnosed with diseases and conditions that require treatment and the stress of not knowing how all that will occur is frightening and creates

anxiety and loneliness which only seems to be increasing with the passing of each week. Some older adults have lived through war, depression, recessions, and tragedies and have the resiliency to handle the pandemic and the resulting isolation but some are overwhelmed and are at a loss as to what to do.

The very act of going to do grocery shopping now requires remembering to bring a mask, gloves, sanitizer, staying 6 feet away from people on the street and in stores. Popping in to see a friend for a cup of tea is no longer an option.

As I reach my 79th birthday and the advocacy work I do for all age groups for the past 11 years, I am hearing often the same concerns of youth, young families, those living alone as I hear from older adults. Friends and families who are often limited in their availability or not able to offer support at all, medical issues, mental health issues, addictions, living in poverty, unstable housing, mobility issues, abuse, and sexual identity issue, isolation and loneliness are no different for older adults than the rest of society.

Kay Dennison is a Coordinator with the Delta Seniors Planning Team



VOLUNTEERISM DURING COVID-19: SUPPORTING ONE ANOTHER WHILE APART

By Eireann O'Dea, MA

Volunteering, that is, time and effort that is given freely to benefit other individuals, an organization, or cause without an expectation of remuneration, is a practice that benefits both individuals and society at large. For older adults looking to give back to their communities, utilize their skills and experience new challenges, volunteering can be an extremely rewarding practice. In addition to providing an increased sense of purpose and structure to one's life, which may be particularly important following role transitions such as retirement and widowhood, research has documented the numerous positive social, mental, and physical health effects of volunteering. These include increases in social network size and amount of social support; an increased sense of well-being and satisfaction with life, and decreased risk of mortality. Volunteering also contributes to the strength of a community, that is, it promotes trust, reciprocity, and cooperation for mutual benefit among citizens, sometimes referred to as "social capital."

Compared to other age groups, older adults in Canada dedicate the greatest number of hours to their volunteer roles. This fact points to the importance of volunteering in the lives of older adults, and how a volunteer role can often transcend the status of a simple pastime and contribute to

one's sense of personal identity. The onset of the COVID-19 pandemic has resulted in challenging circumstances for these volunteers: while communities and their populations are in great need of services and aid, the individuals who are most likely to answer this call have been instructed to stay indoors and limit their contact with others. As a result, the ways in which older adults and others are able to volunteer in their communities has changed.

It is the case that in some ways, the ability to volunteer during this time has become more challenging. With the social distancing measures currently in place, many local organizations that typically provide volunteer opportunities for older adults have been forced to cease operations. While some volunteer organizations have been able to find new ways to operate and continue a portion of their services, for others this has not been possible. Community organizations that host volunteer activities for older adults, including neighbourhood houses, community centres, and seniors' centres, among others, are currently closed. Regular volunteers for large-scale summer events including folk and theatre festivals, community days, marathon races, and other events, will not be able to participate this year. Institutions that rely on the contributions of older adult volunteers, including hospitals, hospices, religious organiza-

tions, and non-profits have seen drops in volunteerism due to older adults staying home. Like so many other industries and services, the reliance of the volunteer sector on human connection and contact has been cause for great challenge during this time. It may be assumed then, that without the operation of certain physical spaces and the hosting of events, volunteerism, and with it, the social capital it produces, is suffering. However, this is simply not the case.

With so many suddenly out of work, home-bound, socially isolated, and struggling financially, the pandemic experience has exposed the importance of volunteering and providing help to those in need. Many local organizations have risen to the occasion by adapting their services. Seniors' centres have organized volunteer-based grocery deliveries for older adults and others who are home-bound. Recreation centres have coordinated regular telephone-based check-ins with their members. Fundraising efforts have been initiated to support hospitals and their essential workers, food banks, hospices, and vulnerable older adults, women, and children. We have all heard mention of acts of neighbourly kindness being performed by others, whether it is shopping for an elderly neighbour, participating in a driveway birthday party, or breaking out the noisemakers every evening at 7:00 p.m. Many of the individuals who have chosen to take on these new roles are older adults themselves, and organizations across Canada have had to turn down requests to volunteer because they do not have enough positions to fill. While we may be forced to maintain physical separation, acts of kindness and support towards others have continued to thrive.

Over the past few months, I have heard the question "Will things go back to how they used to be?" asked repeatedly. In addition to increased awareness and measures regarding public health and safety, I hope that these acts of community support and volunteerism will leave a mark on society. This crisis has brought awareness to the tremendous impact that volunteers make on our communities every day. And by following their examples during times of crisis, we can remain connected even while apart.



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Homelessness Unveiled

WHEN SHELTERING IN PLACE IS EASIER SAID THAN DONE

By Joe Humphries, Atiya Mahmood, PhD, and Sarah Canham, PhD

COVID-19 HAS IMPACTED people from all walks of life, yet it has had a particularly profound effect on disadvantaged and frail members of our society. Evidence from around the world indicates that adults aged 65 and older are at increased risk for contracting COVID-19 and have a much higher mortality rate compared to younger persons. For older people experiencing homelessness, including those living in substandard shelter or housing, COVID-19 presents significant disruptions. For instance, disadvantaged individuals who rely on cafeterias, soup kitchens, and affordable meal delivery programs for meals find their food security is threatened, as many of these programs have shut down. Their social networks are disrupted without access to a reliable phone, computer, or internet access, and with limited opportunities to connect with outreach and social workers. Their sources of income have become uncertain and often unsafe, as people working lower-wage positions risk unsafe employment condi-

tions just to pay the bills and those who rely on panhandling or sex work are finding their income streams drying up. Individuals with limited education, literacy, and coping skills may be unable to access or understand complex, stress-inducing, and ever-changing information and advisories about ongoing developments and lifestyle restrictions. Misinformation and mistrust add to this burden of what to believe, where to go for help, and how to cope. Each of these factors, known as 'social determinants of health,' have a profound influence on the risk of exposure to COVID-19 and bring to the forefront the individual health, social, and economic consequences of this global pandemic for people in the margins of our society.

Even before the COVID outbreak, older people experiencing homelessness have higher rates of chronic illness and mortality compared to stably housed individuals of the same age. In addition, people experiencing homelessness often prioritize immediate needs, such as shelter, food, and

safety, over health promotion and public health advisories. These are among the list of reasons why people experiencing homelessness experience 'accelerated aging,' whereby they often present with physical and cognitive health more akin to a stably housed person in the general population who is 10 to 15 years older. Therefore, researchers and service providers working in the homelessness sector often refer to people who are age 50 and older as 'older adults.'

Despite this understanding in both research and practice, policy restricts people aged 50 to 65 from accessing programs, services, and financial benefits designed to support the social determinants of health for stably housed people age 65 and older. This includes access to seniors' affordable housing and assisted living, social and recreational programs that aim to promote healthy lifestyles, and pension and old age security. Without a social safety net, older people experiencing homelessness are consigned to negotiate precarious housing, health, and

finances largely on their own and in the face of stigma and discrimination from people who blame them for their own circumstances. During this time of a global health crisis, these vulnerabilities are exacerbated.

Vancouver's Downtown Eastside is one of Canada's homelessness hotspots, which makes it particularly important to examine with respect to COVID-19 risks, responses and resilience. Located on Alexander Street, a few blocks north of East Hastings, is the Veterans' Manor. The Veteran's Manor provides 134 one-person units of affordable housing to men age 55 and older with experiences of homelessness, precarious housing, and marginalization. Many of these men live with chronic health conditions that can be traced back to long hours of hard labour. Other tenants live with cognitive impairment resulting from long-term substance use or brain injury. Most have only tenuous connections to distant families who have grown apart or were never together to begin with.

However, operating out of a small office on the ground floor of the Veterans' Manor is a social service organization called Whole Way House. Serving as a formal social network to tenants, Whole Way House normally provides social programming and support services that seek to promote social connection and independence among tenants, including exercise activities, financial assistance, and social outings; however, these are not normal times. In response to the COVID-19 pandemic, Whole Way House has teamed up with other organizations in the Downtown Eastside, including the Evelyn Saller Centre next door, to deliver cooked meals to tenants twice a day, every day. Volunteers assist the Whole Way House staff in delivering meals door-to-door, offering hand sanitizer, and providing encouragement and social connection. Recently, Whole Way House has teamed up with two other local food providers, The Dirty Apron and The Kitchen Table, to expand meal deliveries to neighbouring buildings, including the Union Gospel Mission's emergency shelter at 601 East Hastings Street. By adapting their services in a time of crisis, Whole Way House has broadened its scope to support as many people experiencing precarious housing and homelessness as possible.

In research, Whole Way House is described as a 'promising practice.' Although it is a model of service delivery that has not yet been subject to rigorous evaluation, it is worthy of attention, especially how it functions under the current set of challenges faced by community organizations. A research partnership of 20 academics, 47 service providers and partner organizations, and nine older people experiencing homelessness spanning across Canada and internationally have come together to examine homelessness and housing insecurity in later life. Our team has been conducting research over the last year to explore the shelter and housing landscape in Montréal, Calgary, and Vancouver and classify promising practices for older people experiencing homelessness. We have arranged these promising practices

along a continuum of shelter and housing, from emergency shelter accommodation and transitional housing, to independent housing, supported housing, long-term care, and palliative care/hospice. Common across promising practices for sheltering and housing older people experiencing homelessness is the recognition that the 'right' set of health, housing, and social supports is needed to support aging in the right place, regardless of life circumstance.

COVID-19 has highlighted that promising practices are severely needed to support the health and psychosocial needs of the most vulnerable people in our society. Our research partnership aims to conduct a series of evaluations of promising practices to determine how they promote aging in the right place and the groups of older people for which the promising practices work best. With this information, there is potential to improve the shelter and housing options to meet the unique and complex health and social needs of older people experiencing homelessness across Canada. Key to this research is the understanding that housing is health and housing is a right. The COVID-19 pandemic has placed this issue into sharp focus. As we negotiate this immediate threat to our individual health together, let's move forward with a holistic view of our collective health by recognizing the importance of the social determinants that impact the health, wellbeing, and safety of all people from diverse backgrounds, ages and abilities.

To donate to Whole Way House, visit their website at <https://wholewayhouse.ca/>



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A TALE OF TWO CRISES: CALL FOR COMMUNICATIVE ACTION IN THE DOWNTOWN EASTSIDE

By Daniel R. Y. Gan, PhD

The concept of lifeworlds has been used in existential anthropology to describe the different physical, social and ideological realities in which we live. While most individuals in society live and breathe the same lifeworld, its coherence break at the margins of society—among the very rich, very poor, very sick and/or sociocultural minorities etc.

The COVID-19 pandemic has affected our lives disproportionately. For some, it has been relatively easy to adapt and stay connected using technology; for others, isolation has been stressful, especially if appropriate help or technology are inaccessible; and for others, work continues or intensifies—often accompanied by more risks even if celebrated (e.g., healthcare workers, waste/recycling collectors). Despite these differences, most of us largely share the same lifeworld—public health announcements make sense to us. Whether on the giving or receiving end, most of us find ourselves fitting together in a coherent narrative—we will get through this pandemic together.

Meanwhile, the pandemic has put unprecedented pressures on non-profit organisations serving the unhoused and precariously housed population in the Downtown Eastside (DTES). A significant proportion of the people served by these organizations are above 50, considered 'older' among this group due to lowered life expectancy. Systemic, spatial disadvantages make it challenging for these individuals to cope with life stress, which has been made more difficult during the COVID-19 pandemic given reduced essential services and closure of places for intermittent rest. While the mass media reported some stories of human interest, it missed positive responses from the DTES community. For example, some news sources attributed heightened tensions to limited drug supply when borders were closed. Unreported was how more than 40 local non-profits came together to form rapid communication forums, sharing resources and needs in unprecedented ways. They were supported by peer workers recruited from the DTES community to carry out specific tasks, such as queue management, conflict

de-escalation, and cleaning. At some point, in the words of staff at the Overdose Prevention Society, the streets had never been cleaner—despite occasional lapses of cleaning services by city contractors. Also hidden from public view was how COVID-19 infections had remained low in the community, perhaps due to lower risk in unconfined spaces and/or non-travel.

Thus, differing lifeworlds appear in many forms with often unanticipated consequences. For instance, most city-level pandemic communications have been targeted

at the general population, and have not understood communication channels of the DTES disadvantaged groups, who often use word of mouth rather than new media. While many of us panicked and hoarded in early weeks of the COVID-19 pandemic, some members of the local community at Oppenheimer were practicing Taiji, six feet apart from each other. One could think how it must have felt to be part of a public health decision, whereby one were to be forcibly moved away from the temporary homes and supportive connections that they had created for themselves. And one



Figure 1: Photos taken at Oppenheimer on May 2 and May 11. The province gradually set up blue fences where campers had accepted housing with the help of Carnegie Outreach. A message explained why campers at Oppenheimer left, stating “they promised me a free hotel.”



Figure 2: Photos taken on May 11 at Oppenheimer (left) and Main / East Hastings. While most campers at Oppenheimer had been housed, housing needs remain for those along East Hastings. “We need housing—equal rights” was written on a tent.

could also imagine how bewildering it must be that other unhoused persons beyond Oppenheimer might not receive the same benefit. In the epigraph (quote at the beginning of this article), Kris Cronk¹, a DTES community member, expresses an alienated sense of self, arising from a feeling of estrangement common among unhoused persons.

In adverse psychosocial landscapes, it is difficult for a community to adapt to change without trusted local actors (Gan, 2019). Unless we live in the same lifeworld, the help one offers could be perceived as threatening especially when the exchange is not mutual (Neufeld et al., 2019). We must ask: Is this a shared agenda? What emotional labour might be re-

quired of the community?

Are there issues beyond my purview that is clearly within the purview of the community? These

are necessary questions especially when our lifeworlds differ, and when community members have experienced vicarious trauma amid the overdose crisis. To build trust, interventions in the DTES require communicative action. Relationships forged and consents sought by workers from Carnegie Outreach were probably instrumental in averting negative outcomes from provincial action at Oppenheimer.

In the words of Julia Aoki, Executive Director of Megaphone, a community magazine, “the largest upheavals to our social lives are made up of so many adjustments and pivots in our experiences and perspectives. ... Some of the deepest learnings we can take right now come from looking at this moment from the perspective of another person” (2020, p. 5). Perhaps we could start by admitting that we do not know best—while seeking the good of the other. Along East Hastings a block away, the need for dignified housing for unhoused persons remains as a salient issue that the pandemic has once again revealed (York et al., 2019).

Daniel thanks Anne Park and Stephen Rathjen for feedback on earlier versions of this article, Joben David (Jacob’s Well) for volunteering opportunities, and Andrew Wister and Don Shafer for editorial suggestions. Today, Kris is a writer for Megaphone and a member of the Speakers Bureau team, sharing lived experiences for open dialogue around complex issues of homelessness. Support Megaphone and Voices of the Street here: https://megaphone.nationbuilder.com/electronic_single_issue

“I HAD SLOWLY BEGUN TO FEEL ‘COMPLETELY SINGULAR,’ THAT I HAD NOTHING IN COMMON WITH ANYTHING, AND THAT NO ONE IN THE WORLD COULD SEE ME FOR WHAT I WAS—THE WAY I FELT MY FAMILY SAW ME.”—KRIS CRONK (2020), VOICES OF THE STREET, P. 49

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Meaning in Life & Ageism in a COVID-19 World

REDISCOVERING A SENSE OF MEANING IN LIFE IN THE ERA OF COVID-19

By Ian Fyffe, MA

THE UNCERTAINTY of COVID-19 and society-wide behavior changes such as physical distancing can result in feelings of meaninglessness among many individuals throughout society. This is especially true among older adults, given that opportunities to pursue meaningful activities and relationships has been significantly restricted, and may continue for this 'at risk' group. Thus, some seniors may view their remaining time as lack-

ing meaning without the close contact of their loved ones, especially those in facilities who have found themselves increasingly isolated.

Meaning in life has been defined as 'the extent to which people comprehend, make sense of, or see significance in their lives, accompanied by the degree to which they perceive themselves to have a purpose, mission or overarching aim in life' (Steger, 2009, p. 682). The presence of

meaning in life is associated with increased levels of well-being throughout the lifespan (Steger, Oishi & Kashdan, 2009), and meaning is associated with the feelings of love and joy and the absence of sadness and depression (Steger, Frazier, Oishi & Kaler, 2006).

Little can be said regarding meaning in life without mentioning Viktor Frankl (1905–1997). Frankl was a holocaust survivor of four concentration camps

cluding Auschwitz. Not only was he capable of finding meaning in these horrific conditions, but he developed his theory on meaning in life while imprisoned. Viktor Frankl (1985, 1988) proposed that meaning in life can be derived from individual or social means, since meaning in life can be discovered individually by productive activity as well as socially by connecting to others. Individually-based sources of meaning in life include achievement in valued domains, enjoyable work, personal development and reminiscence. Socially based sources of meaning in life include generativity, social support, emotionally fulfilling relationships, and reminiscence with social content (Fyffe & Wister, 2014).

Given these sources of meaning in life, in the era of COVID-19 meaningful experiences can be developed on an individual-level at home through various hobbies, such as: creating art, playing music, handicrafts, games, cooking, gardening, baking, exercise, and learning new skills. Even something as simple as completing a puzzle or sudoku could bring a sense of joy if it is a valued activity.

During quarantine, social sources of meaning in life can be found through activities such as: calling good friends over the phone to reminisce; sharing pleasant new experiences with one's romantic partner; caring for a pet; donating blood; generative donations of time or money to local non-profits that help those in need; technological solutions such as connecting with loved ones over such apps as FaceTime, Google Duo, Zoom, Houseparty, or WhatsApp; or providing tangible social support such as fetching groceries for at-risk neighbours.

Meaninglessness can occur when one focuses upon the limitations and restrictions in life. For older adults, particularly those facing challenges such as caregiving, the lack of a clear timeline for the advent of a vaccine can be daunting. For example, if a quarantine lasts two years, older adults in their eighties or older could end up spending a quarter or more of their remaining life span living in quarantine. That is a very different prospect than that faced by a twenty-year-old.

Even though quarantine living is by its very nature limiting, there are many possibilities that exist for developing a sense of meaning in life.

Simply reminiscing back to times of greatest joys and achievements can evoke a deep sense of meaningfulness. Although roles have been lost, and socializing has become distanced, a life in quarantine can still be a meaningful life worth living. All that is required is a shift in perspective and a focus on the individual and social aspects of life that bring feelings of love and joy.

References

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Ian Fyffe, MA is a research associate and data analyst with the GRC.

AGEISM IN THE Covid-19 CRISIS

By Andrew Wister, PhD

The COVID-19 global crisis has occurred swiftly with far-reaching consequences in terms of public health, economies, communities and families. As of mid-May, 2020, COVID-19 cases have surpassed 75,000 in Canada, and about 6,000 deaths; and surpassing 4.5M cases worldwide, with over 300,000 deaths. Although the virus knows no borders, we are all aware of different risks across age groups, especially those of advanced age. Indeed, age has become the primary defining feature of the pandemic, a pattern that has the potential to exacerbate ageism in society.

Certain groups of older adults are indeed at the highest risk of COVID-19, both in terms of risk of infection and of negative outcomes, especially mortality. The most vulnerable older adults during the pandemic are those living in congregate living environments, including long-term care, supportive housing or assisted living. Additionally, many seniors living in the community in private households, who have other underlying health conditions, are also at a higher risk of poor outcomes if they develop COVID-19. Social distancing, the closing of many parts of society, and the fear and anxiety associated with the pandemic are pronounced for elders. Many of our oldest Canadians face severe challenges meeting their basic needs, such as shopping for food, medications, and obtaining needed health and community care. Seniors living with physical or mental health challenges, mobility restrictions, caregivers, those living alone, the poor, and those experiencing high levels of social isolation are overrepresented in this group.

COVID-19 epidemiological data on positive cases has concentrated on distributions by sex, geographical locality, hospitalization and death, but age has been dominant. Approximately 36 per cent of positive cases are among persons 60 and over in Canada; however, about 90 per cent of deaths are among this group. The median age of COVID-19 diagnosis is about 42; whereas the median age of death is a striking 86, with about 60 per cent of all deaths occurring in long-term care facilities. Hospitalizations due to this disease are also predominantly older people. It is perhaps not surprising that, like the spread of COVID-19, this pandemic has been described as a “seniors’ problem,” and as such, some contend that we should not shut down the economy and society to the level that has occurred. In addition, there is a backlash of younger and working populations, fed by media and political hype, that hold beliefs that they are less

susceptible to COVID-19, and if become infected, the symptoms will be less serious than for older people. Some of these views have been articulated in social media as part of the ‘OK Boomer’ movement, which has pitted younger and older generations against each other. If the COVID-19 societal stressors continue, there is a distinct possibility of a generational divide.

There are profound similarities between these age-related divisions and the origins of the term ageism. In 1968, the public housing authority in Chevy Chase, Maryland applied to convert a building in a white, middle-class suburb into housing for older citizens. The public hearings degenerated into a riot as residents fought to keep “all those old people” out of their community. As a result of this incident, in 1969, the Pulitzer prize writer Robert Butler coined the term “ageism,” defined as a process of systematic stereotyping of and discrimination against people because they are old. Where ageism exists, older people are devalued, and their human rights are compromised. The many ways in which the COVID-19 pandemic will fuel more ageism and discrimination require attention by the media, the public at large, and by those studying human aging,

Most older adults are healthy and were previously socially connected; however, in the COVID era, like everyone else, they face the adverse effects of stress and isolation. Social problems that challenge many older people, such as elder abuse, social isolation, loneliness, mental health issues, and spousal caregiving burden, will be adversely affected by COVID-19. But we also need to learn from this pandemic. How and why do some older adults adapt and thrive better than others? What changes need to be made to our health care, long-term care and community support systems to be nimble, effective, and resilient? What kind of a society do we want, one that addresses the needs of the most vulnerable, or one that meets the needs of the more privileged?

Andrew Wister is the Director of the GRC and a Professor of Gerontology at SFU.

PRESS RELEASE: NATIONAL HEALTH AND AGING STUDY TO INCLUDE COVID-19 INSIGHTS

By SFU News

Simon Fraser University researchers are contributing to a new study, drawing on data from a national health and aging research initiative, to provide new insights into the impacts of COVID-19 on aging populations. The collaborative research project involves 11 universities across 10 provinces and is co-led by SFU gerontology professor Andrew Wister, working with a team from SFU's Gerontology Research Centre.

The COVID-19 study will draw on the Canadian Longitudinal Study on Aging (CLSA), which has since 2013 involved more than 50,000 participants between 45 and 85 years of age from across Canada. Over the next six months, researchers will collect weekly and monthly data from its participants through online and telephone surveys to gain a comprehensive picture of the spread and impact of the pandemic.

Researchers will use their rich cache of CLSA data to assess factors that appear to protect against or increase the risk of symptom development.

In addition to data on health and well-being, researchers will gather information on health behaviours, such as social distancing and handwashing, workplace and economic impacts, as well as travel history.

SFU researchers are involved in collecting data for BC CLSA participants, and translating the data into knowledge and practice. "The SFU CLSA research cluster is interested in how and why some individuals (both with and without the disease) bounce back from COVID-19 adversities better than others—or so-called COVID-19 resilience," says Wister.

Wister says the most vulnerable older adults during this pandemic are those living in congregate living environ-

ments, including long-term care, supportive housing or assisted living.

"Many seniors living in the community also face severe challenges meeting their basic needs, such as shopping for food, medications, and personal health care," he says. "Those at particular risk are older adults with physical or mental health challenges, mobility restrictions, caregivers, those living alone, the poor, and those experiencing social isolation at high levels."

"Given physical distancing, social isolation and its intersection with resilience processes are of primary importance for older adults to maximize their health and well-being during the COVID-19 crisis."

Funding for the CLSA COVID-19 study has been provided by the McMaster Institute for Research on Aging (MIRA), McMaster University and Juravinski Research Institute through a new gift earlier this month for research on the pandemic from Hamilton philanthropists Charles and Margaret Juravinski.

The CLSA is a major strategic initiative of the Canadian Institutes of Health Research. Funding for the platform has been provided by the Government of Canada through the Canadian Institutes of Health Research and the Canada Foundation for Innovation.

Additional support has been provided by several provinces, affiliated universities and research institutions across Canada.

The CLSA is led by principal investigators P. Raina, C. Wolfson, and S. Kirkland. For more information on the CLSA COVID-19 study, visit: www.CLSA-elcv.ca/coronavirus

Last Name	First Name	Institution	Faculty (If SFU)	Department (If SFU)	Active Member	Peripheral Member
Lear	Scott	SFU	Health Sciences	Health Sciences	x	
Olewiler	Nancy	SFU	FASS	Public Policy	x	
Robinovitch	Steve	SFU	Faculty of Science	BPK	x	
Cosco	Theodore	SFU	FASS	Gerontology	x	
Chaudhury	Habib	SFU	FASS	Gerontology	x	
Levitt	Daniel	Tabor Village				x

By uploading this list, the Director certifies that all the members listed in this document have agreed to be affiliated with the Centre/Institute and approve of this renewal application

Report Type: Renewal Application

Reporting Year: 2020

General Information

Name of the Centre or Institute: Centre for Policy Research on Science and Technology (CPROST)

Website:

<http://www.sfu.ca/communication/research/centres/cprost.html>

Faculty: Communication, Art & Technology

Director: Dal Yong Jin (Direcotr)

Adam Holbrook (Acting Director)

Director's Term End: 2020-06-30

Renewal date: 2025-10-06

Details

Description of the Centre/Institute:

The mission of the Centre for Policy Research on Science and Technology (CPROST) is to carry out policy studies on science, technology, and innovation (STI), bringing together practitioners and scholars to study the interaction of advances in STI, their implementation in the marketplace, and their impacts on community and individual interests, with particular emphasis on digital technologies and their influences on society and the economy.

CPROST was established in 1988 as an independent, self-supporting research centre. It is linked to the School of Communication, within the Faculty of Communication, Art and Technology at Simon Fraser University. CPROST is an academic centre devoted to policy studies on science, technology, and innovation (STI). CPROST brings together practitioners and scholars to study the interaction of advances in STI, their implementation in the marketplace, and their impacts on community and individual interests.

Faculty and students at CPROST work within a multi-disciplinary framework on technology-based problems that have ongoing implications. The Centre has developed work on policy for federal and provincial governments on science, technology, research and development, and innovation in the Canadian context and throughout the world. One of its key functions is to provide “hands-on” research experience for both graduate and undergraduate students.

Over the past decades CPROST has evolved from studying S&T policy (broadly defined) to a centre that has focussed on the influence of the digital environment to both social and innovation environments.

The Centre/Institute's membership and organization structure:**Core Members**

Dal Yong Jin, PhD, Distinguished SFU Professor, CMNS, Director

Adam Holbrook, P.Eng., Associate Director

Peter Anderson, Associate Professor, CMNS

Wendy Chun, PhD, Canadian 150 Chair Professor, School of Communication

Peter Chow-White, PhD. Professor, CMNS

Richard Smith, PhD. Professor, School of Communication. Former Director of the Centre for Digital Media

Ron Wakkary, PhD, Professor, SIAT

Brian Wixted, PhD., Johnson-Shoyama Graduate School of Public Policy, University of Saskatchewan

Hyejin Jo, Ph.D. student, School of Communication. Webmaster

Most significant accomplishments:

- 1) CPROST has an ongoing program of research with researchers from a number of institutions and government agencies in Korea. (Jin). Broadly stated the projects examine the effects on society of the rapid advances in social media as a consequence of technological advances in digital media technologies.
- 2) CPROST has hosted a number of visiting scholars from Mexico (including a MITACS scholar), who have focussed on studies of innovation systems, particularly as they relate to the development of digital industries in Mexico. (Holbrook)
- 3) The Global Entrepreneurship Monitor (GEM) program is an annual international survey of entrepreneurship by individuals started in 1999, covering, on average, 60 nations. Entrepreneurship is often studied as a factor in successful businesses, but its link to innovation and its social implications is rarely discussed. Entrepreneurship is a social indicator of innovation and innovativeness. (Holbrook and Wixted)
- 4) Co-hosting Joint Pre-Conference on North Korea and Communication at the International

Communication Association held in Washington D.C., U.S., May 24, 2019

5) Co-application of SSHRC Partnership Grant titled Global Media and Internet Concentration Project. Co-applicant (Wendy Chun, PI Dwayne Winseck, Carleton University) \$2.3 million dollars, grant proposal passed the first round of competition in June 2020; submitted the proposal for the second round of competition in September 2020)

6) Creating Digital Opportunity (CDO) (Holbrook, Smith and Wixted) (started 2014, completed 2019) CDO was a major partnership grant funded by SSHRC in 2014 looking at the challenges to Canadian digital industries in Canada. CPROST was the BC centre for this project: Holbrook and Smith looked at the vibrant software industry in Vancouver; Wixted worked on the digital industries based in Saskatoon with Prof. Peter Phillips of the Johnson-Shoyama Centre for Public Policy at U. Sask.

Notable media successes:

1) Conference on Asian Transmedia Storytelling (2018) :

The conference, held in June 2018, investigated the recent surge of webtoons and manga/animation as the sources of transmedia storytelling for Asian popular culture. It discussed whether cultural products utilizing transmedia storytelling take a major role as the primary local cultural product in the Asian cultural market in the 2010s.

The conference, was held in June 2018, investigated the recent surge of webtoons and manga/animation as the sources of transmedia storytelling for Asian popular culture. It discussed whether cultural products utilizing transmedia storytelling take a major role as the primary local cultural product in the Asian cultural market in the 2010s.

This conference historicized the evolution of regional popular culture according to the surrounding digital media ecology, driving the change and continuity of the manhwa industry, now focusing on webtoons, over the past 15 years. Through the conference, the discussion of transmedia storytelling based on manga/animation and webtoon shed light on the extension of the current debates on transmedia storytelling in the cultural industries.

2) Korean Wave Studies – 20 years in retrospect and future prospects (2016)

The conference, invited more than 20 international scholars from several countries, including Korea, Japan, Chile, Singapore, Hong Kong, Taiwan, the U.K., and the U.S. Several SFU faculty members and graduate students, joined the conference as presenters.

The participants presented papers on the Korean Wave, symbolizing the rapid growth of Korean popular culture and the global penetration of local popular culture and digital technologies, in the global cultural markets, from diverse perspectives. The papers presented addressed several key issues, including the historical reviews and prospects for the Korean Wave studies in the future. In particular, several papers discussed the increasing role of Korean popular culture in both Asian and global cultural scenes.

3) Creating Digital Opportunity (2014 -2019) has held annual conferences across the

country, with the last in Vancouver in 2018. Each of these conferences were backed up with media events, media interviews and "op-ed" articles as well as more scholarly publications.

Events, workshops, public outreach events:

1) First Mile Project – (Smith, McMahon) Across Canada, First Nations are building broadband systems and using them to deliver services to their communities. To be effective, these systems must be designed and implemented with local communities from the very start, which means community members need access to bandwidth and proper training so they can help shape technologies to meet local needs. The 'First Mile' refers to local broadband systems: infrastructure and networks. It focuses on local connectivity from the perspective of a community. The First Mile project is conducting research and publishing the stories of how First Nations are putting First Mile concepts into action so that we may learn and grow together. The First Mile project is a partnership between First Nations ICT Regional Networks and university-based researchers.

2) Disaster Mitigation and Emergency Preparedness – (Anderson). The convergence of computers and communications, and the accelerating growth of global information networking has a profound impact on the organization of disaster mitigation, planning and responses. During the past decade, Peter Anderson, through CPROST and its associated Telematics Research Laboratory has been participating in these developments through applied disaster communication research in Canada and abroad in collaboration with civil emergency organizations.

3) Media Democracy Day : CPROST supports this annual media event sponsored by SFU.

Additional documents:

Membership_signoff_form_QxF0gBG.xlsx

Rationale for the renewal of the Centre/Institute

Our success is based on a model of collaborative research that has been developed over 30 years. In it, members carry out research projects funded through grants and/or contracts. Graduate students (and in some instances, undergraduate students) are based in CPROST working as research assistants funded by grants (through their supervisors) or contracts. At CPROST they work in an environment that is at arm's length from their own thesis research. This environment includes physical facilities and access to faculty that are at arm's length from their studies (and, for that matter, from their teaching assistantships).

How the Centre/Institute enhanced research over and above what would have been accomplished by an individual faculty member?

CPROST provides a venue for faculty, graduate students and visiting scholars to carry out studies on the policy implications of innovation (in S&T) and more recently the implications

of the digital revolution on social and economic activities. This venue crosses over many research interests in FCAT. Over the decades CPROST has evolved as research priorities evolve.

No immediate overlaps currently exist. Indeed, our mission is to provide an environment for graduate students within FCAT, where they can work in an environment with research grants and contracts linked to other research programs, and their thesis research, both within SFU and other academic institutions.

Has the Centre/Institute accomplished its goals?

We believe that CPROST has developed a collaborative research model that rests on external funding. Each of our members is always looking for opportunities to develop the CPROST research program. While we cannot forecast specific projects, we know that we are able to use our reputation to develop specific project opportunities as they arise.

The Centre/Institute's goals for the next five years:

The key factor linking all of CPROST's future projects is "the digital economy", particularly the digital economy in BC. These can be broken down as:

- The social impacts of digital social media. How do these impact learning, storytelling, and information transfer?
- How has the rise of large, supra-national corporations affected individuals' choices for entertainment, acquisition of goods and services and information (particularly news) and policies affecting these choices?
- How do large supra-national corporations affect local start-ups and the continuance of successful local/regional digital industries?
- How are non-western (and particularly non-English language) platforms, affecting this discourse?
- How are government programs (such as the "digital super-clusters" program affecting this discourse? Are Canadian governments getting a return on their investments?

KPI:

Key performance Indicators will include publications by individuals, graduate students mentored, and research grants and contracts. Major achievements and outreach will include conferences and media articles.

Changes planned upon renewal (e.g. membership, organization structure, etc.)

No immediate changes are expected in the short term.

Financial Summary

Does your institute receive direct financial support from the University?

No

SFU Account Number

13-N876118 CPROST operating expenditures - does not include research contracts and grants; data are from 31 March 2020.

Opening Balance

\$5476.39

Revenues:

\$475.97

Expenditures:

\$1464.44

Closing Balance

\$4487.93

Financial Report:

No

Financial Contributions from the university:

No direct payments are made to CPROST by the university

List of major equipment provided by the university:

No major equipment is provided. CPROST has access to SFU services, including purchasing, IT services, mail and library services.

University Personnel:

CMNS provides approximately one-tenth of a PY worth of time from CMNS administrative staff.

Space provided by the university:

SFU provides some office space, over and above faculty offices at HC.

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence:

Yes

External funding details:

Dr. Jin has been able to leverage funding from Korean sources for the ongoing program of research with visiting researchers from a number of institutions and government agencies in Korea. Broadly stated the projects examine the effects on society of the rapid advances in social media as a consequence of technological advances in digital media technologies.

The Creating Digital Opportunity program, a partnership program funded mainly by SSHRC, has attracted funding that would not have been available through regular SSHRC funding channels. (value - approximately \$100,000 over the past five years)

Confirm policy review

Yes

Submitted by:

None

Director's Comments:

Comments added by the Acting Director, July 2020:

The Associate Dean, FCAT, in comments made earlier made several valuable observations during the development of this report and the CPROST 5 year plan earlier this calendar year.

The university shutdown since March 2020 has delayed many of the discussions that would, under normal circumstances, should have taken place, in particular the discussion about “centre” or “institute” status. New members, from within FCAT, have joined CPROST, so that CPROST is currently compliant with SFU Policy (R40.01, Revision B-2). Thus the five year plan has been prepared on the basis of maintaining CPROST’s “centre” status.

In general, we have not maintained lists of publications and achievements of individual members, since these can usually be found on the websites of the individuals concerned. Similarly information on the extent of the personal research grants and contracts, as opposed to those directed to CPROST, can usually be found on the individuals’ websites.

The CPROST website has been updated, and a webmaster appointed to keep it current. It has been in place since March 2020. Some of the earlier confusion undoubtedly occurred as the result of there being concurrent URLs during the redesign and development of the website. The only current URL is <sfu.ca/cprost>.

Reviewer's section

Reviewed by:

Owen Underhill

Decision:

Approved

Reviewer's Comments:

Since submission of the five year renewal report by Director of CPROST, Dr. Dal Yong Jin, we have had discussions involving Dr. Jin, FCAT Associate Dean Research Ellen Balka, Director of the School of Communication Zoë Druick, and myself. Following these deliberations, I would like to recommend that we grant a 1-year extension in order to allow for time to consider various options moving forward. I am recommending this course of action for the following reasons:

1) Centres have been clearly defined as Faculty strategic priorities for collaborative research mainly within a single faculty. As such, Centres need the endorsement of the Dean. My term as Dean pro tem will be ending December 1st, and we will have an incoming Dean who will work within the faculty on future strategic priorities, and can address as part of that, what to do with CPROST within the context of a Faculty-wide strategy.

2) Director Druick and I have met with Dr. Jin and had a good discussion about a number of options moving forward including dissolution, proposing a new Centre or Institute, or otherwise transitioning the Centre in a new direction. That being said, Dr. Jin has organized a major international conference in April 2021 which he considers related to the activities of CPROST. Also, in the past several months, as noted in the report, CPROST have done some preliminary work on the website, revised the Mission, and added some other FCAT faculty members to the Centre. Dr. Jin is requesting some time to work with the new Dean to figure out how to proceed. He would also appreciate this time to ensure that there is no disruption to the current activities planned.

I have checked this course of action with VPRI Dugan O'Neil, and he agrees that this is a reasonable plan to present to SCUP. My approval is therefore a one-year extension only.

Report Type: Renewal Application

Reporting Year: 2020

General Information

Name of the Centre or Institute: Centre for Research on International Education

Website: <http://www.sfu.ca/crie.html>

Faculty: Education

Director: Kumari Beck (Direcotr)
Roumiana Ilieva (co-Director)

Director's Term End: 2021-04-01

Renewal date: 2025-08-14

Details

Description of the Centre/Institute:

The Center for Research on International Education fosters and supports collaborative and interdisciplinary research on international education in its diversity, while honouring commitments to educational equity and social justice.

The primary goals of the Centre are to foster research on international education, promote collaborative and interdisciplinary research, and secure grants for scholarly work in international education, through activities such as conferences, seminars, public

lectures, publications, reports and mentoring of students.

The Centre is committed to developing collaborative relationships across Canada and internationally, with individual scholars, and other research centres and institutes researching international education.

The Centre/Institute's membership and organization structure:

The Centre is constituted as a Schedule A Centre at Simon Fraser University under the terms of SFU Policy R 40.01. The centre is under the direct authority of the Dean of Education and conducts its affairs in accordance with all other University policies.

The Director of the Centre is a full-time member of the Faculty of Education at SFU, nominated by the Centre's Steering Committee and approved by the Dean of the Faculty of Education. Since its inception, the Centre has had two Co-Directors.

Directors: Kumari Beck, Associate Professor; Roumiana Ilieva, Associate Professor

The Steering Committee of the Centre consists of 3 – 5 members, both Faculty and Graduate students, in addition to the Director/s. There is one vacancy for a Graduate Student, which will be filled in the Fall and the enrolment of a new doctoral student.

Following a meeting to review the work and future of the Centre, the following have agreed to serve on the Steering Committee:

Angel M. Y. Lin, Professor & Tier 1 Canada Research Chair in Plurilingual and Intercultural Education;

Masahiro Minami, Assistant Professor, Counselling;

Catherine Price, Director, International Education.

Student position: Currently vacant, and will be filled in September 2020

Membership in the Centre is open to any faculty member, student, staff or administrator who has an interest in international education and advancing research and knowledge building work of the Centre.

Following a decision made by the Directors to review the mandate, activities, membership and organization structure and most importantly, the sustainability of the Centre, a meeting was held with interested Faculty members and new ideas for the work of the Centre were noted.

Most significant accomplishments:

Please refer to the document CRIE Activity Report attached to this Renewal application.

Notable media successes:

- Interview with The Ubysey
Sharlandjeva, V. (2015). Sold to the highest bidder: International students at UBC. The Ubysey, Oct. 17, 2015.
- Radio interview: August 8 2016
Pulse FM: Kash Heed Show
- Interview with Thompson Rivers University: March 16, 2017
Interview on significance of research and impact on practice
- Roundhouse Radio interview, with Michelle Stack on the Rankings Roundtable co-hosted with UBC

Events, workshops, public outreach events:

International Research Roundtable (2017, May).

Love them or hate them: The impact of university rankings on higher education globally. Co-sponsored with Peter Wall Institute for Advanced Studies, and PI Michelle Stack, UBC. A public talk was held at Harbour Centre (115 attendees). The event attracted media attention (Roundhouse Radio interview, Georgia Straight). Please refer to the CRIE Activity Report (attached) where details of our Community Engagement efforts are listed.

Additional documents:

- 1) CRIE_Activity_Report_Renewal_2020_6w2HDEW.docx (See attachment below)
- 2) CRIE_Membership_Form_2020_ZF4em9W.xlsx (See attachment below)

Rationale for the renewal of the Centre/Institute

CRIE has been an integral part of international education activities of the Faculty of Education since CRIE was established in 2010. Our research informed the decision to establish an International Advisory group in the Faculty, and work being carried out in the International Office of the Faculty. CRIE hopes to continue these contributions in the next five years, to ensure its alignment to and ongoing support of the Faculty's Five-Year Plan for research and international activity in this area.

We hosted a very successful conference in 2016 and have been getting requests from outside of the university for other such events. We have also successfully established a Network of Researchers and Practitioners of International Education among Colleges and Universities in BC.

We have a proven track record of carrying out our mandate and would request a Renewal of our Centre to continue the work, and to address the challenges faced by the Centre. A group of faculty, staff and students participated in a process to have input into and map out a strategic plan for Internationalization, along with the development of the Faculty's new Five-Year-Plan, and CRIE was identified as an important element of internationalization in the Faculty. We take this vote of confidence as an endorsement of the value that CRIE brings to the Faculty. The work of the Centre was greatly impacted by the building renovations when CRIE lost its space (even the temporary space we shared with other research groups in 2017 - 2018), and we also lost the RA who was coordinating our activities.

The new Steering Committee brings fresh energy and vision to the Centre, and have begun to address some of the barriers that prevented the work of CRIE from moving forward. We hope that new initiatives that we have identified (see goals) will help to re-ignite activities and even garner funding for the hiring of a part time RA. We suggested the idea of a common RA to support all or some of the Centres in the Faculty of Education, and other forms of support such as website maintenance, as ways in which the Centre could be supported by the Faculty. We have had initial conversations with the Associate Dean (Research and International).

In summary, fresh energy and vision emerging from the Steering Committee and new ideas for collaboration within the Faculty of Education that are aligned with the Faculty's 5-Year Plan will strengthen CRIE capacity to continue the work.

How the Centre/Institute enhanced research over and above what would have been accomplished by an individual faculty member?

The existence of the Centre has proven to be a 'hub' for collaborative efforts across disciplines, and has attracted scholars from outside the university, nationally and internationally to develop conference proposals, research proposals, and research groups. The focus on the field of study, rather than individual research of a faculty member, has been possible because of the Centre. The support of an RA helped these collaborations become a reality. Since 2017, RA support has been limited, and since 2018 completely stopped (see Challenges faced in Activity Report doc) and this has limited Centre activity since then. Our list of conference papers and symposia, publications and events reflect collaborations that occurred through the work of the Centre.

Has the Centre/Institute accomplished its goals?

As outlined in our Activity Report, the main focus has been in supporting events such as conferences, seminars, public talks and mentoring graduate students in keeping to our mandate and stated goals. We collaborated with scholars within our Faculty and in other institutions to present at conferences and publish. As well, in the past 5 years, we have made great strides in sharing research methodologies with community agencies and colleagues in the BC Colleges and smaller universities.

The Centre/Institute's goals for the next five years:

1) - Articulate our own understandings of the terms 'international education' and 'research' (in the context of international education in current global conditions); Refresh the identity of the Centre in terms of who we are serving and for what purpose (and this will guide the activities);

KPI 1:

None

Definitions, descriptions and related project descriptions will be posted on our Website

2) - Position the Centre's work soundly within a commitment to equity and social justice, and in alignment with the Faculty's Five-Year Plan;

KPI 2:

A work plan to be developed in September of each year for the academic year that follows, based on the needs of our constituents.

3) - Work with the Faculty of Education Research Hub to get support for website

maintenance and space for activities

KPI 3:

Website updated and maintained;

Space secured for RAs and affiliated faculty and graduate students to gather and work together.

4) - Develop a research program, beginning with a mapping of potential interdisciplinary research projects, prioritizing research foci relating to international students;

- Apply for TriCouncil grants

KPI 4:

Each year a meeting will be held of CRIE members to discuss potential research projects;

The number of Research projects submitted to TriCouncil agencies.

5) - Use the Bloomsbury Book Series (led by Lin & Beck) to stimulate a writing/publishing program;

KPI 5:

Book Series Editors invite scholars (Canada and globally) to submit book proposals (1 - 3 a year);

Interdisciplinary articles on international education published by SFU scholars.

6) - Provide opportunities for our graduate students to publish;

KPI 6:

Minimum of 3 writing retreats held by CRIE each year for graduate students and their faculty partners;

Articles published.

7) - Continue with graduate student seminars, lectures, and general mentoring of graduate students;

KPI 7:

One graduate student symposium on International Education a year (dependent on RA funding being secured);

One scholarly lecture on international education per year;

Increase the number of graduate students affiliated with CRIE (dependent on Faculty admissions and funding).

8) - Through the Faculty's graduate programs, actively recruit and attract more graduate students in international education and related fields;

KPI 8:

The number of PhD students in the eTAP and LCL doctoral programs each year who have research interests related to international education (dependent on Faculty funding for graduate students)

9) - Increase our Faculty's capacity to provide access to educational opportunities to both local and global communities (for eg refugee populations);

KPI 9:

A discussion group of interested Faculty and staff established;

A connection made with SFU's Refugee program;

Documentation of opportunities sought for Education Faculty to provide teaching, consultations, and mentorship to disadvantaged populations and communities in international locations.

10) - Long term, set up CRIE as a consortium of expertise to be available to the community and NGO sector for their own purposes – eg grant writing, research, evaluation and assessment (following some of the work that has already been done)

KPI 10:

The number of community projects that CRIE members have participated in.

Changes planned upon renewal (e.g. membership, organization structure, etc.)

There are plans for the Steering Committee to meet again in the Fall, to generate a work plan for the year to launch the proposed research and publishing opportunities. As well, there will be a closer relationship sought with the Faculty's Research Hub and the International Education Office.

Financial Summary

Does your institute receive direct financial support from the University?

No

Financial Report:

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence:

Yes

External funding details:

The amount of funding received has been very small, but has enabled the Centre to barely keep alive. The amounts reported do not reflect all of the funding received for the 2016 International Conference hosted by CRIE.

External Funding - from Consulting

Deetkin Group:	\$3,240.00
Southwest University:	\$4,500.00
Columbia College:	\$ 300.00
Douglas College:	\$ 500.00
TOTAL	\$ 8,540.00

Confirm policy review

Yes

Submitted by:

Kumari Beck

Director's Comments:

CRIE is an important research centre as the only one at SFU focussed on international education. CRIE is well positioned to support SFU's commitment to internationalization of higher education and development cooperation. The newly released SFU International Engagement Framework lists the ACDE Deans' Accord on Internationalization as one of the documents that influenced the principles developed in the Framework: CRIE research was a strong influence on the Deans' Accord and we are proud of our contribution to that policy document under the authorship of Dean Kris Magnusson.

With renewed support from the new Dean of Education and her team, as well as the new members of our Steering Committee, we are confident we will be able to continue our contributions to advancing knowledge and effectiveness of international education broadly speaking.

We would be happy to respond to further questions.

Reviewer's section

Reviewed by:

Susie O'Neil

Decision:

Approved

Reviewer's Comments:

This renewal application provides a strong rationale for continuing to support the Centre of Research in International Education's goals and new directions. In particular, the Centre has established a new Steering Committee to bring fresh vision to the Centre, and to address some of the barriers that prevented the work of CRIE from moving forward previously. The Centre has also aligned itself with key priorities in the Faculty's 5-Year Strategic plan, which is important for creating synergies in terms of the Faculty's resources and initiatives around internationalization. Add to this, the recent addition of "International" to the portfolio of the Associate Dean, Research and International, and the Faculty's development of an International Education Strategic Research Plan, which was ratified at Faculty Council in 2020, and there are even more reasons to support a research centre dedicated to international education. This is a challenging time for international education, and it will require a strong focus on evidence-based initiatives to provide new directions for international education work in a post-COVID-19 world. CRIE is well-positioned to do this work, with increased alignment with the Faculty's goals and leadership. I would like to encourage CRIE to develop a strategic plan over the coming year to set out clear and specific priorities and to continue to build collaborative relationships with other researchers interesting in international education both within the faculty, across SFU and with our international partners. I am pleased to see plans to develop collaboration with the Faculty's Research Hub, which can provide meeting and working space for the Centre's research assistants. I would also like to see a clear plan for seeking external funding support for the Centre going forward and would encourage the co-Directors to add this to the work plan of the Steering Committee over the coming year. I believe that these directions and activities will reinvigorate CRIE and provide an important Centre for developing research projects related to faculty members' interests in international education.

CRIE RENEWAL REPORT 2020

Website: <http://www.sfu.ca/crie.html>

Brief description of the Centre

The Center for Research on International Education fosters and supports collaborative and interdisciplinary research on international education in its diversity, while honouring commitments to educational equity and social justice.

The primary goals of the Centre are to foster research on international education, promote collaborative and interdisciplinary research, and secure grants for scholarly work in international education, through activities such as conferences, seminars, public lectures, publications, reports and mentoring of students.

The Centre is committed to developing collaborative relationships across Canada and internationally, with individual scholars, and other research centres and institutes researching international education.

Briefly describe your Centre membership and organization structure

The Centre is constituted as a Schedule A Centre at Simon Fraser University under the terms of SFU Policy R 40.01. The centre is under the direct authority of the Dean of Education and conducts its affairs in accordance with all other University policies.

The Director of the Centre is a full-time member of the Faculty of Education at SFU, nominated by the Centre's Steering Committee and approved by the Dean of the Faculty of Education. Since its inception, the Centre has had two Co-Directors.

Directors: Kumari Beck, Associate Professor; Roumiana Ilieva, Associate Professor

The Steering Committee of the Centre consists of 3 – 5 members, both Faculty and Graduate students, in addition to the Director/s. There is one vacancy for a Graduate Student, which will be filled in the Fall and the enrolment of a new doctoral student.

Following a meeting to review the work and future of the Centre, the following have agreed to serve on the Steering Committee:

Angel M. Y. Lin, Professor & Tier 1 Canada Research Chair in Plurilingual and Intercultural Education;

Masahiro Minami, Assistant Professor, Counselling;

Catherine Price, Director, International Education.

Student position: Open until September 2020

With Directors Kumari Beck and Roumi Ilieva

Membership in the Centre is open to any faculty member, student, staff or administrator who has an interest in international education and advancing research and knowledge building work of the Centre.

Following a decision made by the Directors to review the mandate, activities, membership and organization structure and most importantly, the sustainability of the Centre, a meeting was held with interested Faculty members and new ideas for the work of the Centre were noted.

List accomplishments over the last 5 years. (Items 1 – 6)

We have organized these in categories, and items under each in chronological order.

1. ACADEMIC EVENTS

SFU 50th anniversary conference (2016, July 26-29).

Internationalizing Higher Education: Past Practices and Future Possibilities.

This international conference featured 4 renowned keynote speakers, 51 papers, 12 symposia, 9 roundtables, 5 posters across 11 sub themes.

171 attendees from 49 institutions and organizations from 12 countries attended.

A timeline and poster reflecting the history of SFU internationalization activities based on documents and interviews with key players in SFU internationalization was created by the Centre in consultation with SFU International Executive Director. These were displayed at the venue. 12 posters exhibiting SFU international projects funded through the SFU International Engagement Fund were also displayed.

The event was funded through grants awarded by SSHRC Connections program, SFU Conference Fund Grant, Faculty of Education Dean's Office, Fraser International College, SFU International, CELLTR, and the Education Graduate Student Association. This has been our biggest achievement in the history of the Centre, and put us on the map internationally and nationally.

A book proposal and special issue of a journal were developed but could not be seen through to completion because of the unexpected unavailability of the RA working on the project, and health challenges that faced the Director of CRIE (proposed Editor on both projects)

International Research Roundtable (2017, May).

Love them or hate them: The impact of university rankings on higher education globally.

Co-sponsored with Peter Wall Institute for Advanced Studies, and PI Michelle Stack, UBC. A public talk was held at Harbour Centre (115 attendees). The event attracted media attention (Roundhouse Radio interview, Georgia Straight).

Public Research Talks (2017, January)

Braun, Rachel de Oliveira. *Escola Da Comunidade: Transforming Difficulties into Opportunities*. (2017, January) (47 attendees)

The Centre usually sponsors at least 2 Public talks a year. 2014 and 2015 were difficult years to organize events as both Directors were on study leave (Ilieva in 2014, Beck in 2015). The Centre lost a Coordinator/ RA, Camilla Miranda following the completion of her MA in 2018, and we do not have any current students researching in the field of international education who have the time to carry out the work.

2. RESEARCH PROJECTS

Completed: *SSHRC – Standard Research Grant*

Interrogating internationalization: a multidimensional case study. PI Beck.

18 students (14 graduate, 4 undergraduate) from various disciplinary backgrounds worked on the project which also attracted 2 international visiting graduate students. The opportunity to mentor and train graduate students from multiple disciplines (almost all of whom were researching and writing in other fields of study) was a major accomplishment for the Centre.

International Higher Education Research project. PI Vanessa Andreotti (University of Oulu and UBC) with 22 partners in Canada, Brazil, UK, Ireland, South Africa, Australia, New Zealand. CRIE was a partner and our RAs worked with RAs at the University of Oulu to collect and analyze data.

Digital Finance among low income women entrepreneurs in Mexico. 2014 - 15

Beck - Lead researcher/consultant for Deetken Group (Vancouver), in conducting an ethnographic study among women members of the Mexican NGO, Pro Mujer. We considered this as an important community consulting project.

International students as designer immigrants (2015) Ilieva, R. & Fotovatian, S.

Two of our affiliated members conducted a study on the experiences of graduates of the Faculty's TEF/SL program residing in Canada.

Project: Quality education and childcare. With NGO Susila Dharma International Association. 2015 – 16.

CRIE Director was the Lead author of proposal, project, workshop and initial study to investigate a framework that can support and promote quality in schools and children's

projects in development contexts. CRIE members were consulted in the development of the proposal.

Project: *Developing a “Community of Inquiry”: Interdisciplinary collaborations for multilingual student success* 2016-19, PI Ilieva, V. Spiliotopoulos, co-investigator
CELLTR: 3 x \$ 5,600

Project: *Examining cultures of learning and their perceived impact on the learning of culturally diverse students in a graduate course in Education* 2018-19, Ilieva TLGD,
ISTLD: \$ 5,250

Project: Research Network

Initiated and hosted the formation of a Research Network focused on the intercultural aspects of internationalization among BC Colleges and Universities.

Directors or practitioners from the following institutions attended: UBC, UVic, Douglas College, Langara, BCIT, UFV, Royal Roads, NIC, VIU.

We shared our research instruments with 3 institutions, and Langara and BCIT have engaged in research projects of their own following consultation with us.

Project: ISTLD/CELLTR(CEE) pilot Seminar Series and Grants Program entitled “Inquiring into your multilingual classroom” facilitated by Ilieva. The seminar included 5 face-to face sessions in the period Fall 2018 - Fall 2019 and involved SFU faculty members from 5 faculties who were assisted in conducting teaching/learning inquiries into their classrooms to support multilingual student success.

Project : Initiated: **Book Series with Bloomsbury Press, *Critical Perspectives on Language, Mobility and International Education* (2020)**

Editors: Prof. Angel Lin (SFU), Kumari Beck (SFU), Yang Song (Fudan University), Michelle Mingyue Gu (Education University of Hongkong)

Book Proposal: the first proposed book in the above series. **Language, Culture, Learning and Teaching in an internationalizing university**

Editors: Kumari Beck and Roumiana Ilieva

The book will be a collection of research informed chapters on international education, language and culture in an Anglo-dominant Canadian university and will provides a critical, interdisciplinary, local and global view of contemporary international higher education, applicable to other global contexts.

The authors are all SFU faculty and graduate students.

3. RELATIONSHIPS WITH RESEARCH GROUPS:

- Critical Internationalization Studies Network – a global research group with over 150 members based in 12+ countries.
- Research on International & Comparative Education group (RICE), Western University, London, Ontario
- Centre for Global Citizenship Education & Research (CGCER), University of Alberta, Edmonton, Alberta
- Higher Education Development Centre, University of Otago, New Zealand
- Centre for Comparative and International Education, Southwest University, Chongqing, China
- Higher Education group in the Dept of Education Studies at UBC

Conference presentations, research activities, and other scholarly activities were conducted with these groups over the past 5 years.

4. Development of LOI & Partnership with Southwest University, China.

The Centre supported the development of a partnership with the Faculty of Education, Southwest University, Chongqing.

Follow up activities were supported by an SFU International Engagement Grant (2017) \$5000 awarded to CRIE.

5. VISITING SCHOLARS

Faculty

- YanHong Zhang, Guangxi University, China. (2017 – 2018). Language education and Intercultural Education. Worked with Ilieva
Presented a public talk on the Chinese Education System to Education Undergraduate students.
- Jentian Long, Chongqing University of Education, China (Feb 2019 – 2020)
Teacher education in a comparative context . Working with Beck.
- Aihui Peng, Southwest University, Chongqing, China (October 2019)
Held meetings with the Math Education faculty

Graduate Students

- Paula Sales, Doctoral student, Faculty of Education, University of Minas Gerais, Brazil. Paula was with us for 1 year during which time she participated in the

research activities of the Centre, was mentored in research methods and thesis writing. She completed writing her doctoral dissertation while she was with us, and returned home to a successful defence.

- Laura Knijnik Baumvol, PhD and Assistant Professor, Universidade do Vale do Rio dos Sinos – Brazil. Laura came to us during her final year of PhD studies. Following a successful defence, Laura recently edited a special edition of the SFU Ed Review journal on Internationalization of Education published in December 2019.

Meetings held with the following Visiting Scholars:

Xing Ai, School of Education, SWU, April 2018 & January 2019;
(Curriculum Theory)

Fajun Zhang, Director of International Office, SWU, June 2018

Zheng CHEN, School of Music, SWU, July 2018. (Music Education)

Carol Song, Fudan University of China (2018 December) (International Higher Education)

Aihui Peng, Southwest University, Chongqing.

6. CONTRIBUTIONS TO SCHOLARSHIP:

Please note that the following are based on Centre research projects, collaborations that grew out of Centre relationships, activities and recognition of the work of the Centre (i.e. above the research accomplishments of individual faculty members).

Invited Presentations (based on Centre research projects):

Beck, K. (2014). Featured speaker, meeting of the Research on International and Comparative Education group, Faculty of Education, Western University, ON. *Everyday experiences on internationalization: Continuing conversations on research and practice*. Faculty of Education, Western University, March 2014.

Beck, K. (2016, May). Keynote. *Canada is multicultural, right? Cultural translation and the internationalizing campus*. Learning Together Conference. Simon Fraser University.

Beck, K. (2016). Featured Speaker. Higher Education Policy in Global Perspective – Green College Interdisciplinary Series at UBC.

Interrogating internationalization: Complex relations in a globalizing campus.

February 2016, University of British Columbia

Beck, K. (2017). Featured panelist, Global Engagement Days at Douglas College.

Professional Development for Faculty at Columbia College, Vancouver. March 2018

Learning and teaching on an international campus: Research informs practice. Developed by Beck & Ilieva; delivered by Ilieva

Participation in Research Symposia

Intellectual Autonomy and Social/Global Accountability in Higher Education in Times of Crises: International Lessons. WERA Global Ethics International Research Network Symposium. CIESC Post Conference, Brock University, St Catherine's Ontario. June, 2014.

Selected Conference presentations:

Research collaborations; Based on CRIE research projects.

Beck, K., Shultz, L. & Andreotti, V. (2014). *Academic activism: Decolonizing/Reimagining the academy*. 10th International Globalization, Diversity & Education Conference, Washington State University, Spokane, WA.

Ilieva, R. & Fotovatian, S. (2014). *Native speaker ideology, agency, and international students' identity negotiation in a TESOL program in Canada*. 17th World Congress of Applied Linguistics (AILA), Brisbane, Australia, August 2014.

CIESC Regional Networking Conference, SFU Vancouver, December 2014

- Beck, K. *Researching internationalization at one university: Emergent understandings*.
- Ilieva, R. *Designer immigrants: Internationalization policies and international student experiences*.

Beck, K., Ilieva, R., Zhang, Z., Takacs, S. & Brannan, K. (2014). *Student Experiences from a Global Campus*. Symposium, annual conference of CIESC, CSSE, Brock University, St Catherine's, Ontario

Symposium, Seeking an ethical internationalization, CIESC Annual Conference, University of Ottawa, Ottawa, Ontario. May 2015

Beck, K. *Ethical internationalization: Voices from a global campus.*

Ilieva, R. *Internationalization of Education and Language Issues: Examining the Perspectives of Content Area Faculty in a Canadian University.*

Ilieva, R. (2015). *Content area faculty and language matters in times of internationalization.* In Panel, Teaching and learning English for Academic Purposes (EAP) across disciplines: Perspectives from the Canadian university context, TESOL Annual Convention, Toronto, On, March 2015.

Beck, K. & Shultz, L. (2015). *Crossing borders in the international classroom at home and abroad.* 47th annual Conference of the Canadian Bureau of International Education. Ottawa, November.

Beck, K. (2015). *Internationalization of higher education and global citizenship: Promoting the common good?* Biannual Conference of the Centre for Global Citizenship Education Research, University of Alberta, Edmonton, AB

Fotovatian, S. & Ilieva, R. (2015, July). *Ethical internationalization in TESOL education: Interrogating our practices.* Paper presented at The Culture of Study Abroad for Second Languages Conference, Saint Mary's University, Halifax, Nova Scotia.

Ilieva, R. (2015, September). *Language matters, internationalization, and content area faculty in a Canadian university.* British Association of Applied Linguistics Annual Conference, Birmingham, UK.

Beck, K. & Laird, C. (2016, May). *Working for the Internationalizing Campus: Staff as 'Third Space Professionals'.* Paper presented at the Canadian Society for the Study of Higher Education conference, Calgary, AB.

Beck, K., Laird, C., Miranda, C., & Ilieva, R. (2016, May). *Experiences of internationalization: Staff in "third space".* Symposium presented at the CSSE annual conference, Calgary, AB.

Ilieva, R. (2016, March). *Language issues in times of internationalization: Perspectives of content area faculty in a Canadian university.* Paper presented at 60th Annual

Conference of the Comparative and International Education Society (CIES), Vancouver, BC.

Ravindran, A., Berynets, K., Fotovatian, S., & Ilieva, R. (2016, March). *International Students Navigating the Canadian Context of Work and Settlement*. Paper presented at the annual Comparative International Education Society (CIES) Conference. Vancouver, BC.

Ravindran A., Berynets, K., Ilieva, R., & Fotovatian, S. (2016, June). *International Students Settling in Canada: Exploring the Experiences of Graduates of a TESL Program*. Paper presented at the CSSE annual conference, Calgary, AB.

Beck, K., Ilieva, R., Miranda, C. & Uppal, J. (2017). *“Being vulnerable to the world”: Learning and teaching in the internationalizing university*. Symposium presented at the Annual conference of the Comparative and International Education Society of Canada. CSSE Conference, Ryerson University, Toronto.

Ravindra, A. & Ilieva, R. (2017, March). *Negotiating Academic Spaces to Navigate Professional Spaces: Examining Experiences of International TESOL Graduates in a Host Country Context*. Paper presented at AAAL conference, Portland.

Ravindran, A. & Ilieva, R. (2017, May). *Cartographies of desire and affect: A study of international graduates of a TESOL program in Canada*. Paper presented at CAAL conference, Toronto.

Beck, K., Trilokekar, R. & Tamtik, M. (2018). ‘Wicked problems’ in Equity, Diversity and Inclusivity Policy Agendas – The Missing Discourse of Internationalization. Symposium presented at the Annual Conference of the Canadian Society for the Study of Higher Education, University of Regina

Ilieva, R., Wallace, A. & Spiliotopoulos, V. (2018, March). Language Faculty Involvement in Interdisciplinary Collaborations for Multilingual Student Success. AAAL Annual Conference, Chicago, IL.

Ilieva, R. & Wallace, A. (2018, May). Conceptualizing English as a dominant language contexts within the internationalization of higher education. CAAL Annual Conference, Regina, SK

Ravindran, A. & Ilieva, R. (2018, June). Affective Affordances, Desires, and Assemblages: A Study of International Graduates of a TESOL Program in Canada. CAAL Annual Conference, Regina, SK

Ilieva, R. (2018, June). Content area faculty and language matters in times of internationalization. 22nd Sociolinguistics Symposium, Auckland, New Zealand.

Ilieva, R. & Wallace, A. (2018, June). Conceptualizing English-as-a-dominant language contexts within the internationalization of higher education in dialogue with Dafouz and Smit's ROAD-MAPPING Framework. 22nd Sociolinguistics Symposium, Auckland, New Zealand

Beck, K. (2019, Nov). Research seminar delivered online on *Critical Internationalization: Challenges and Possibilities* to the Center for International Studies in Education (CEIE), Unisinos University, Brazil.

Beck, K. (2019, June). Invited closing panel. Shaping Sustainable Futures for Internationalization in Higher Education Conference. OISE, Toronto.

Beck, K. (2019, May). *The Untenability of Higher Education Internationalization Research*. Keynote panel. Annual conference of the Canadian Society for the Study of Higher Education. UBC, Vancouver.

Beck, K. & Pidgeon, M. (2019, March). *Critical conversations on Indigenization and internationalization in the era of equity, diversity and inclusion*. Highlighted Session. Learning at Intercultural Intersections. Thompson Rivers University, Kamloops. BC.

Beck, K. (2019, June). *Greenwashing Internationalization: Conversations on sustainability and internationalization*. Workshop session. Shaping Sustainable Futures for Internationalization in Higher Education conference. OISE, Toronto.

Ilieva, R. *Distributed leadership in content and language faculty scholarly collaborations*. Symposium: A cross-case inter-institutional analysis of content and language faculty collaboration from a leadership perspective, AAAL Conference, Atlanta Georgia, March, 2019.

Ilieva, R., Wallace, A., & Spiliotopoulos, V. (2019, June). *Language Faculty in Cross-disciplinary Collaborations for Multilingual Student Success*. CAAL Conference, Vancouver, BC.

Jones, G., Tamtik, M., Beck, K., Gaviria, P., El Masri, A. (2019, June). *The Canadian story of international education policy: When, How, Why?* Shaping Sustainable Futures for Internationalization in Higher Education conference. OISE,

Toronto.

Wallace, A. & Ilieva, R. (2019, October). *Integrating language and literacy support at the curricular core: Models of interdisciplinary collaboration between applied linguists and content-area faculty*. ICHLE Conference, Castellon, Spain.

Selected Publications:

Ilieva, R., Li, A., & Li, W. (2015). Negotiating TESOL programs and EFL teaching contexts in China: Identities and practices of international graduates of a TESOL program. *Comparative and International Education*, 44 (2), Article 3. Available online at <http://ir.lib.uwo.ca/cie-eci/vol44/iss2/3>

Ilieva, R. & Ravindran, A. (2018). Agency in the making: Experiences of international graduates of a TESOL program. *System* <https://doi.org/10.1016/j.system.2018.04.014>

Beck, K., & Ilieva, R. (2019). “Doing” internationalization: Principles to practice. *SFU Educational Review*, 12(3), 18-39. <https://doi.org/10.21810/sfuer.v12i3.1031>
Invited paper. Special Issue

Ilieva, R. Wallace, A. & Spiliotopoulos, V. (2019). Institutional roles and identity construction of applied linguistics faculty involved in interdisciplinary collaborations in support of multilingual student success. *TESL Canada Journal* <https://doi.org/10.18806/tesl.v36i1.1303>

Ravindran, A. & Ilieva, R. (2019). Affective Affordances, Desires, and Assemblages: A Study of International Students in a TESOL Program in Canada. In F. Bagnou, M. Waterhouse and D. Fleming (Eds.). *Deterritorializing Language, Teaching, and Learning: Deleuzo-Guattarian Perspectives on Second Language Education* (pp.110-132). Sense/Brill Publishers.

Wallace, A., Spiliotopoulos, V. & Ilieva, R. (2020). CLIL collaborations in higher education: Critical perspectives. *English Teaching & Learning*, (), 1-22, DOI 10.1007/s42321-020-00052-4

Beck, K. & Pidgeon, M. (2020) Across the divide: Conversations on decolonization, indigenization and internationalization of higher education. In Roopa Desai Trilokekar, Merli Tamtik & Glen Jones (Eds). *International education as public policy in Canada*.

Montreal & Toronto: McGill- Queens University Press.

Research Report

Beck, K., Parsons, C., Lamyin, J. (2015). An ethnographic study on digital finance among low income women in Mexico. Deetken Group Vancouver & Pro Mujer, Mexico.

Research report. 85 pages

7. MEDIA SUCCESS

- Interview with The Ubyyssey
Sharlandjieva, V. (2015). Sold to the highest bidder: International students at UBC. The Ubyyssey, Oct. 17, 2015.
- Radio interview: August 8 2016
Pulse FM: Kash Heed Show
- Interview with Thompson Rivers University: March 16, 2017
Interview on significance of research and impact on practice

8. COMMUNITY ENGAGEMENT ACTIVITIES

CRIE has consulted informally with a few non-profit agencies on our research on international students, and on research methodologies.

Beck consults extensively with Susila Dharma International Association (SDIA), an international development NGO on their work with schools in development contexts. Several grant applications have been co-authored by Beck with the SDIA research team. The following are a couple of selected projects with SDIA

Workshops

Beck, K. (2014). *Quality Education in difficult contexts: What does quality mean?* International conference of Susila Dharma International Association, Puebla, Mexico, August 2014

Research Projects:

Quality education and children's projects: Understanding quality in difficult contexts. With NGO Susila Dharma International Association (2015)

Ethnographic research on Digital Finance for low income women in Mexico,. Deetkin Group, Vancouver.

Grants

Grand Challenges Canada: Saving Brains 2016

A new model for improving child development: Combining better caregiver-child interactions, community health and nutrition for children 0-3 in a low-income community in Peru,

PI Virginia Thomas (Susila Dharma Canada)

Reviewed by CIHR, this was one of 27 proposals selected for funding from over 800 applications. Grant: \$ 250, 000 over 2 years.

International Youth Internship Program: Global Affairs Canada. 2017

Not funded

Community Learning Centres for Women and Girls in the DR Congo. Global Affairs Canada – Concept Note selected to advance to full proposal, which is currently under review.

9. CHALLENGES FACED

- An issue specific to the Faculty of Education has been the building renovation that meant the partial closure of the Centre space/office that the Faculty generously supported us with. We still do not have a space to work in. Prior to that, it was common for international graduate students and faculty members affiliated with the Centre to use the space regularly to conduct their own research, or participate in data analysis and organization of the Centre research. Since the closure of the office, all of the data analysis that the Centre members engaged in has been on hold, beginning again Fall 2019, in one of the Director's offices.
- This has been compounded by our inability to hire an RA (lack of space for the RA to work in + lack of funds to do so). The lack of support has meant that it has become difficult to engage in collaborative and interdisciplinary work.
- Funding has been a major challenge. The Faculty provided us with a \$15,000 start up grant in 2010. With careful use of this funding, including using RAs from other grants to fund the work of the Centre, we have managed to stretch it out. We have also worked hard to attract grants and funding to the Centre. However, the grants we have been awarded (SSHRC for eg) do not allow the Centre to either administer or seek an overhead. As a result, the Directors of the Centre have had to seek consultation contracts (see External Funding) that would result in a small amount of funds (money and in-kind) to come in to the Centre. This has had the undesired consequence of a neglect of Centre projects that require

sustained RA attention such as the organizing of graduate symposia and lecture series.

MEMBERSHIP

Attached document

Please note that those marked Peripheral are all so marked because they participate in some or unique projects, and are not participating or collaborating on all of the projects named.

FINANCIAL INFORMATION

Please note that currently the FoE does not provide direct funding, but has provided space up until 2017, and the initial start-up grant.

Funding

External Funding

Deetkin Group:	\$3,240.00
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Southwest University: Consulting fees	\$4,500.00
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Columbia College: Speaker fees:	<u>\$300.00</u> \$8,040.00
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Last Name	First Name	Institution	Faculty (If SFU)	Department (If SFU)	Active Member	Peripheral Member
Beck	Kumari	SFU	Education		Yes	
Illieva	Roumi	SFU	Education		Yes	
Lin	Angel	SFU	Education		Yes (since 2019)	
Sensoy	Özlem	SFU	Education			Yes
Marshall	Steve	SFU	Education			Yes
McKinnon	Allan	SFU	Education			Yes
Cox	Rebecca	SFU	Education			Yes
Minami	Masahiro	SFU	Education		Yes (since 2019)	
Pidgeon	Michelle	SFU	Education		Yes (since 2018)	
Price	Catherine	SFU	Education	Director, International Office	Yes (since 2019)	
Zhang	Olivia Zhiha	Trinity Western U	English Language Centre		Yes	
Shultz	Lynette	University of Alberta				Yes
Trilokekar	Roopa Desai	York U				Yes
Stein	Sharon	UBC				Yes
Heng Hartse	Joel	SFU	Education			Yes
Laird	Chelsey	SFU	Education		yes	
Uppal	Jas	SFU	Education		yes	
James	Connie	SFU	Education		yes	
Ravindran	Aisha	SFU	Education		yes	
Wallace	Amanda	SFU	Education		yes	
Spiliotopoulos	Valia	UBC				Yes
Miranda	Camila	Independent consultant			Yes (up to 2018)	Yes (since 2018)
Berynets	Kristina	SFU	Education			Yes

By uploading this list, the Director certifies that all the members listed in this document agree to be affiliated with the Centre/Institute and that they agree to the content of this application

Report Type: Renewal Application

Reporting Year: 2020

General Information

Name of the Centre or Institute: Centre for Sustainable Development
Website: <http://www.sfu.ca/sustainabledevelopment/about-us.html>
Faculty: Environment
Director: Yildiz Atasoy
Director's Term End: 2021-08-30
Renewal date: 2025-07-30

Details

Description of the Centre/Institute:

The Centre for Sustainable Development is a research unit of Simon Fraser University. It is housed within the Faculty of Environment. We use the resources and talents of the University to deepen understanding and create solutions to challenging sustainability issues across the world. The Centre works in partnership with local, regional, national, and international organizations to build capacity for enduring, just and sustainable development.

The CSD is committed to interdisciplinary collaborative research and knowledge mobilization in response to key ecological and livelihood challenges around the world. The Centre is a member of the UN Sustainable Development Solutions Networks (SDSNs). It mobilizes scholarship and research expertise to promote just, sustainable, ecological, and culturally appropriate development globally. The Centre also seeks to partner with various international development agencies such as International Development Research Centre, UN agencies (i.e. UN FAO), universities, Sustainable Development Solutions Network of Canada (SDSN-Canada), and non-profit and community-based organizations within and outside Canada. These partnerships are to collaboratively promote capacity building, develop training, engage in knowledge sharing, and conduct research.

The Centre was established in 1989 as the Community Economic Development Centre. In 2004, it was renamed as the Centre for Sustainable Community Development, and in 2017 became the Centre for Sustainable Development. While the Centre for Sustainable Community Development directed its efforts at teaching and research, the Centre for Sustainable Development conducts its activities exclusively through research.

The Centre/Institute's membership and organization structure:

The Centre is made up of a diverse, interdisciplinary and experienced team of 29 dedicated professionals. This team includes our director and steering committee, adjunct research faculty, post doctoral research fellow, research assistant, and research associates – all committed to engaging with local, regional, national, and internationally focused sustainable development research projects.

More specifically, the Centre has 9 Steering Committee members; 16 Research Associates; 2 Adjunct Faculty; 1 Postdoctoral Fellow; and 1 Research Assistant. The SC consists of myself (Sociology-FASS & Associate Member, Geography-FENV); Zafer Adeel (REM-FENV and Director of Pacific Water Research Centre); Duncan Knowler (REM-FENV); Eugene McCain (Geography-FENV); Geoff Mann (Geography-FENV and Director of Centre for Global Political Economy); Catherine D'Andrea (Archaeology-FENV); Marianne Ignace (Linguistic and Indigenous Studies-FASS); Elizabeth Cooper (School for International Studies-FASS and Director of African Studies Working Group); and Shaheen Nanji (SFU International and Director of International Community Engagement).

The Centre's membership of Research Associates has been strengthened recently through new members drawn from various departments across SFU and beyond. The new Research Associates include Gerardo Otero (from SFU's School for International Studies); Laura Marks (from SFU's Fine Arts); Susan Erikson (from SFU's Health Sciences); Laila Harris (from UBC's Geography); William Carroll (from UVIC's Sociology); Paul Bowles (from UNBC's Sociology); Jason Moore (from Binghamton University, Coordinator of the World Ecology Research Network); Candace Le Roy (Director of Sustainability Office, SFU), Tammara Soma (from SFU's REM); Andreanne Doyon (from SFU's REM); Sami Khan (from SFU's School of Sustainable Energy Engineering), and Stanislaus Kivai (from the National Museums of Kenya).

For more details, please click on: <http://www.sfu.ca/sustainabledevelopment/>

Please note that membership renewal includes recruitment of graduate students. Under the conditions of Covid-19 these efforts have been delayed, but I am hoping that we will continue with our membership renewal efforts in Fall 2020.

Most significant accomplishments:

1) I was elected to the position of Director of the Centre for Sustainable Development by members of the Steering Committee and appointed by the Dean of FENV in 2018. The following lists the Centre's achievements since 2018 under my directorship. I must add that the Centre has inherited no research project(s) and no research funding from the previous Director. The activities listed below are new projects developed since Fall 2018. These activities were intended to increase the visibility and vitality of the Centre.

1- The Food, Climate Change & Migration - Public Engagement Forums. These three-part

forums are the most significant achievement of the Centre to date. They were organized at SFU in September, October and November 2019 in partnership with SFU Public Square and Continuing Studies, as well as several community organizations. Dr. Harriet Friedmann from the University of Toronto was the invited scholar for the September forum; Dr. Saskia Sassen from Columbia University was invited for the October forum; and Dr. Jason Moore from Binghamton University was the invited scholar for the November forum. (The October event was cancelled just one week before its commencement due to Dr. Saskia Sassen's health concerns.) These forums were an innovative, timely and important collaborative project exploring the intersection of climate change, food insecurity, displacement, and migration. Each forum convened two dialogues – one in the morning and another in the afternoon. See below:

2) Morning dialogues were centred on the voices and lived experiences of refugees and immigrants, and the barriers, challenges, and opportunities that they face in relation to food, land, culture, and climate change. It was equally important to explore how these issues were part of refugees' decision-making process before migration. Afternoon sessions were joint dialogues between people with lived experiences of displacement and migration who participated in the morning sessions – and academics, policy analysts, students and the general public. Afternoon sessions were built upon points of conversation and themes identified in the morning sessions and aimed to identify patterns, challenges and opportunities for further research and collaboration with community partners. Dialogues were carried out as round-table discussions, mediated by volunteers who also took notes of the discussions and were supported by contracted dialogue facilitators. Each morning and afternoon dialogues included indigenous voices as well. Kim Haxton of Indigeneyez opened the November event and co-hosted the event with our invited scholar, setting the colonial context on Turtle Island and identifying commonalities of displacement and food-climate change concerns. Our September event was opened and co-hosted by T'uy't'ananat - Cease Wyss (a Coast Salish ethnobotanist). There was simultaneous Spanish, Farsi, and Arabic interpretation at each of these forums. We developed a webpage for the forums. See below:

3) I am pleased to note that we were able to provide honoraria of \$50 and return translink tickets for registered participants (refugee and displaced individuals) in order to recognize their time and contribution to the events.

You can examine the details by clicking on the following link. Food, Climate Change & Migration - Public Engagement Forums: <http://www.sfu.ca/sustainabledevelopment/food-climate-change-and-migration/#>

Attendance at the forums exceeded our expectations. For example, while we aimed to have 40 refugee individuals in the morning refugee session of the November event, we had 88 individual refugees in attendance. And while we aimed to secure 100 participants for the afternoon public engagement session, we had more than 200.

4) 2- In 2018 we developed a MOU between SFU and the National Museums of Kenya (NMK) which was signed by both institutions in 2019. The MOU proposal written and

submitted to SCIA titled “Collaboration for Capacity-Building and Research on Sustainable Development” involved many hours of consultation and meetings with academics across the university. Many colleagues from FASS, the Faculty of Science, and FENV supported this work.

5) 3- Based on the MOU signed between SFU and the NMK in 2019, the Centre developed a research proposal titled “The Effects of Wildlife Conservation Efforts on the Food and Livelihood Security Concerns of Farmers in the Kibwezi Region of Kenya”. This proposed research involves an interdisciplinary partnership with the NMK. The proposal was submitted to SSHRC for a Partnership Engage Grant on 10 June 2020. On behalf of the Centre, the Director is the Principal Investigator. The requested amount is \$24,999.00. NMK’s in-kind contribution to the project is \$17,666. Naveed Gulzar’s (Research Facilitator-FENV) assistance in the process was significant. Here is a brief description of the project goal:

The goal of this study is to conduct an interdisciplinary analysis of wildlife conservation and its effects on the livelihood of Kamba farmers in the Kibwezi region of Kenya. Specific research objectives are: 1- Mapping organizational ties by gathering data from publicly available documents on key global, national and local wildlife conservation organizations involved in the region. This will facilitate the tracing of global-local networks of influence and collaboration in generating knowledge and policy ideas that inform local conservation practices; 2- Tracking farmers’ own position to explore their perspectives, descriptions and interpretations of the effects of conservation policies on farming and other off-farm economic activities.

6) 4- Based on the afore-mentioned MOU, the Centre developed an Expression of Interest (EOI) letter for a collaborative research between SFU and NMK. It is titled “Changing Food Systems and Impacts on Traditional Food Production and Contributions to Food Insecurity in the Kibwezi Region in Makueni County, Kenya.” Dr. Stan Kivai, the Head of the Institute of Primate Research, National Museums of Kenya, is the applicant; On behalf of the Centre the Director is the co-applicant of the project. It was submitted to the International Development Research Centre (IDRC) for \$988,545.00 in funding on 26 June 2020. Research facilitation provided by Naveed Gulzar (Research Facilitator-FENV) was invaluable. We have also received a Letter of Support from SFU for this project, signed by Associate Vice-President Research (Please see the attached letter).

Upon approval of this EOI, we will further develop our proposal for the research to be conducted over three years. The research intends to address the growing food insecurity and lack of access to affordable healthy and nutritious foods by vulnerable groups of small-scale farmers in the Kibwezi region of Kenya. This will involve investigating how transitions in food systems from customary to market-oriented food production, as well as climate change, have impacted human dietary patterns, affordability and availability of healthy foods, land use practices, and eating habits, food insecurity, hunger and malnutrition among the local population.

7) 5- Based on the MOU, the Centre developed a proposal for a field school in the Kibwezi region of Kenya. We are in the process of finding a 'home' for the school. The field school should help connect the research activities of the Centre to the teaching commitments of an appropriate unit within FENV. We are hoping that REM will be interested in this field school through its Sustainable Development Program.

6- The Centre currently hosts a postdoctoral research fellow recruited from the NMK. The Centre wrote a funding proposal for this position and received a \$55,000.00 Postdoctoral Fellowship from the SITKA Foundation for the period from 1 September 2018 to 31 August 2020. This position at the Centre has been extended from 1 September 2020 to 31 August 2021 and will be funded through a Postdoctoral Fellowship of \$27,500 from the SITKA Foundation.

8) 7. The CSD has become a member of the Sustainable Development Solutions Network – Canada (SDSN-Canada) – member of UN SDSNs commissioned in 2012 by then UN Secretary-General Ban Ki-moon to implement sustainable development goals and the Paris Agreement on Climate Change. Our Director has participated in its activities since Fall 2018.

8- In Spring 2019 the Centre Director was invited to join the Advisory Committee on the development of a 'Canadian SDG Index for Municipalities'. This is a research project led by Dr. Bruce Frayne from the University of Waterloo. As part of her advisory committee membership our Director has been collaborating and consulting with SDSN-Canada on the development of an SDC Index.

9- We developed a new partnership with Dr. XiaoYu Wu (University of Waterloo) and Dr. Sami Khan (School of Sustainable Energy Engineering, SFU) in an Expression of Interest for seed funding opportunity announced by the Government of Canada on rapid deployment of clean energy projects. The project is titled "Determining the impact of the COVID-19 pandemic on water, food and energy security in Indigenous communities, and rapidly deploying renewables technologies in response". It has been submitted to SDSN-Canada for seed funding of \$10,000. This project intends to examine the impact of COVID-19 on energy usage patterns and water, food and energy sustainability issues within Indigenous communities of BC. The CSD will provide research support for this initiative in training/mentoring students, arranging interviews, providing consultation on Indigenous communities, food/water/energy independence, livelihood security concerns, and SDGs. The CSD will also be involved as co-applicant in the subsequent development of a large-scale research project on how Canada can accomplish the sustainability objectives of SDGs in light of the momentum provided by the government response to the Covid-19 pandemic.

10- The Director of the Centre has been approached by the Institute for Sustainable Communities (ISC) to develop a collaborative partnership on a project titled "Driving Gender Equity and Health and Safety Conditions in the Ready-Made Garment Sector in Bangladesh." In our effort to develop a partnership with them, we have found a few scholars at SFU who have worked on Bangladesh and succeeded in securing their involvement in this project. Based on my consultation with these SFU scholars, I and Shaheen Nanji (from SFU

International) wrote a proposal on how SFU can be part of the project. The proposal was submitted to ISC and ISC sent its concept note to GAC. We are waiting to hear the GAC's response to ISC's concept note.

Notable media successes:

N/A

Events, workshops, public outreach events:

1) The Centre organized a three-event public engagement forum on international migration, food security, and climate change held at SFU Harbour Centre in Fall 2019. The forum engaged with Metro Vancouver refugee communities. The forum generated critical thinking, capacity and ecosystem building, and public awareness on the causes and consequences of international migration, with a unique focus on unsustainable food systems and food insecurity in the context of climate change. The lived experience of refugee communities was at the fore in these dialogues. Individual refugee participation in these forums exceeded expectations. At the November forum 88 individual refugees participated, while the September forum saw 30+ individual refugees participating in the event.

The Centre has partnered with several SFU units including the Sustainable Development Program, SFU International, SFU Lifelong Learning, SFU Public Square, SFU Civic Engage, SFU Morris J. Wosk Centre for Dialogue, the Centre for Comparative Muslim Studies, and the TD Community Engagement Centre SFU Surrey.

Through the Food, Climate Change and Migration Public Engagement Forums the Centre has cultivated engagement with 25 community organizations who assist refugees in the wider Metro Vancouver area. Some of these community-based organizations include: Immigrant Services Society of BC (ISS of BC); MOSAIC; DiverseCity, Surrey, BC; and Zaytuna.

2) Centre Director continues to engage with the Sustainable Development Solutions Network (SDSN) Canada. She serves on the SDSN Advisory Committee set up for the development of a 'Sustainable Development Goals (SDG) Index for Canadian Municipalities' to benchmark municipal progress on SDGs. The Index will be a valuable tool for municipal governments to align their visions of sustainability with the global SDG framework and explore how municipal leaders can set a framework for action to address the many sustainable development challenges affecting their communities.

Additional documents:

1) MOU_National_Museum_of_Kenya_signed_05FEB2019_-_Copy_-_Copy_LJdA4Ky.pdf (See attachment below)

2) MOU_Application_scan_yatasoy_2018-11-30-13-10-12_KaEcuEH.pdf (See attachment below)

3) FOOD_CLIMATE_CHANGE_MIGRATION_-

_REPORT_WRITTEN_FOR_THE_TING_ENDOWMENT_28_JANUARY_2020_5FC5IzU.pdf (See attachment below)

4) SSHRC_PEG_APPLICATION_YILDIZ_ATASOY_10_JUNE_2020_GeneratedPdf-4_-_Copy_J1FXgUT.pdf (See attachment below)

5) SFU_letter_of_support_IDRC_LoS_MvTDrDG.pdf (See attachment below)

6) LL_Endowment_Financial_Plan_final_-_Copy_Ki68nSf.pdf (See attachment below)

7) FAST_2019-20_Submitted_CSD_renewal_July_2020-Copy_0TTw948.pdf (See attachment below)

8) Centre_for_Sustainable_Development_Membership_signoff_QIRrJrD.xlsx (See attachment below)

Rationale for the renewal of the Centre/Institute

Under the direction of the current Director, the Centre has been undergoing renewal and revitalization. This involves a two-part process: renewal of membership and renewal of research direction. In relation to the renewal of membership, the Director has determined, based on her e-mail inquiries, that the Centre's webpage had listed a number of individuals who were inactive and with no record of membership at the Centre. She identified nine individuals who either were no longer interested in maintaining membership with the Centre or were unresponsive to her inquiries. As a result, we have terminated their ties with the Centre and erased their bio information from the webpage. With the membership of inactive individuals removed and the recruitment of new research associates, the Centre has gained vitality and will now continue its renewal process.

Our efforts to renew and revitalize the Centre are intended to facilitate its emergence as a globally visible and active research hub. Toward that goal,

- The Director will engage in broader consultation with the Steering Committee and Research Associates to develop a collective vision for the Centre's research activities;
- The Director will hold a workshop with the CSD Steering Committee, Research Associates, interested faculty, and graduate students from FENV and across SFU to explore ideas for developing a strategic plan for the Centre. The following activities will be discussed at the workshop:
 - Planning outreach activities,
 - Pursuing funding opportunities with external donors and endowments,
 - Developing a speakers' series,
 - Holding annual or biannual workshops / conferences,
 - Planning research activities and organizing research challenge areas among research

associate,

- Convening a roundtable with the provincial government.

Please note that the above-mentioned workshop was scheduled to take place in Spring 2020. However, due to Covid-19, and a major surgery and related medical leave on the part of the Director, the workshop was postponed until Fall 2020.

How the Centre/Institute enhanced research over and above what would have been accomplished by an individual faculty member?

Please see the “Significant Accomplishments” section of the report for details.

Has the Centre/Institute accomplished its goals?

Please see the “Significant Accomplishments” section of the report for details.

The Centre/Institute's goals for the next five years:

1) 1. The Centre is currently working to launch a large-scale, community engaged collaborative research project with refugee organizations based on the themes and research questions which emerged in the Public Engagement Forums organized in Fall 2019. This effort will be based on the completion of several distinct steps: To start the process, we planned to organize a one-day workshop in February 2020 with interested SFU faculty and refugee organizations, to explore how to develop a research collaboration on the basis of the themes arising from the public engagement forums. However, due to the Covid-19 pandemic and the Centre Director’s medical leave, plans for the workshop were postponed. Still, we have received signed agreements from individual refugees and representatives of various refugee organizations active in the greater metro Vancouver area to participate in the workshop. We now have 55 individuals who signed the “future collaboration sign-up” sheet and expressed interest in future research partnerships. We are hoping that we will be able to organize the workshop in Spring 2021. This will be followed by the development of a SSHRC Connection and Partnership Engage application to be submitted in Fall 2021, in addition to exploring the SFU International Engagement Fund and other SFU internal opportunities. Following these steps, we intend to develop proposals for the Insight and/or Insight Development competition in Fall/Spring 2022. Continues below:

KPI 1:

2) In moving toward this goal, the Director has met Naveed Gulzar from FENV. She has also participated in Beverly Neufeld’s SSHRC Insight proposal writing workshop. Supported by funding from the SA Department (\$3,000), she hired two graduate students who have collected official statistical data from international multilateral organizations and are working with the Director to aggregate this data to present a more coherent picture of the connections between food insecurity, climate change and international migration – which

remains an unexplored area of research.

KPI 2:

Discussed above

3) Goal 2- “The Effects of Wildlife Conservation Efforts on the Food and Livelihood Security Concerns of Farmers in the Kibwezi Region of Kenya” (submitted to SHHRC-PEG in 2020). Contingent upon funding availability, the data collection and analysis of this project will be concluded by the end of 2021. If the SSHRC application is not successful, we will pursue the project through different funding agencies.

KPI 3:

Discussed above

4) Goal 3- “Changing Food Systems and Impacts on Traditional Food Production and Contributions to Food Insecurity in the Kibwezi Region in Makueni County, Kenya.” We submitted an EOI to the IDRC for a 3-year research project between late 2020 and the end of 2023. If our IDRC submission is not successful, we will pursue the project through different funding agencies.

KPI 4:

Discussed above

5) Goal 4. The Centre is working on a research proposal to be submitted for funding through the SSHRC Insight program. It is titled “Towards Social and Ecological Resilience: Local Management of Environmental Challenges of Recurrent Droughts in the Kibwezi-Chyulu Ecosystem, South-Central Kenya.” The Director will be the P.I of the project, collaborating with the National Museums of Kenya. We intend to submit the proposal to SSHRC in 2021. It will be built on a project proposal submitted to SSHRC-PEG on 10 June 2020 and conducted over a three-year period.

KPI 5:

Discussed above

6) Goal 5. The Centre is working on a partnership development grant (PDG) proposal to be submitted to SSHRC in February 2021. It focuses on the effects of changing land use policies on ecological resilience development in the Chyulu-Kibwezi region of Kenya. It aims to comparatively analyse the diversity of cultural values, rules, and knowledge systems between locally organized Green Forest Fighters (GFF) and the transnational policy-governing body of REDD+ in the development of climate-change mitigation and adaptation policies. The focus is on local capacity building with regard to land degradation, water scarcity and food insecurity across the Chyulu-Kibwezi landscape through partnership development with a local community organization (Green Forest Fighters) in Kenya on land

use and land cover assessment, monitoring and evaluation programs.

KPI 6:

Discussed above

7) Goal 6. The Centre will continue its new partnership with Dr. XiaoYu Wu (University of Waterloo) and Dr. Sami Khan (School for Sustainable Energy Engineering, SFU) which began with an Expression of Interest application for seed funding from SDSN-Canada on a project titled “Determining the impact of the COVID-19 pandemic on water, food and energy security in Indigenous communities, and rapidly deploying renewables technologies in response”. Based on the success of this application, we will be involved as co-applicant in the subsequent development of a large-scale research project on global comparative research directed toward the realization of sustainability objectives on water/food/energy related SDGs in relation to Indigenous communities.

KPI 7:

Discussed above

8) Goal 7. The Centre has been expanding its membership of research associates by inviting new and appropriate researchers from SFU and beyond. Based on the renewal of its research associates, the Centre will act as a hub to develop new collaborative, interdisciplinary and internationally involved research activities. The Centre will organize a workshop to identify areas of research collaboration and develop research teams among its Research Associates.

KPI 8:

Discussed above

9) 8. The Centre is committed to the goals outlined in FENV’s strategic planning and SFU’s Strategic Plan (2016-2020) document, and to the main objectives of SFU’s Vision as outlined below:

- Supporting and promoting the full continuum of research, from the fundamental generation of knowledge, through the dissemination of that knowledge within the academic community and beyond, to the application of transformative ideas for the benefit of society.
- Promoting research excellence, supporting and encouraging all researchers, including undergraduate and graduate students, postdoctoral fellows, faculty, staff, and community partners, who assist the research mission.
- Leveraging fundamental research strengths, including interdisciplinary research, close community connections, and partnerships and collaborations to become a global leader in research mobilization.
- Seeking opportunities to transfer the results of our research to the broader society, including policy-makers, civil society leaders, and the community.

Through interdisciplinary, data-driven, and collaborative research, the Centre will continue

to focus on the following priority research areas outlined in SFU's Strategic Plan:

- Addressing environmental concerns and creating a sustainable future (#1);
- Supporting health across the human lifespan (#3)
- Strengthening civil society by advancing justice, equity and social responsibility (#4)
- Enhancing our world through technology (#5)

KPI 9:

Discussed above

Changes planned upon renewal (e.g. membership, organization structure, etc.)

We intend to expand our commitment to interdisciplinary, locally and internationally involved research by focusing on the globally relevant themes of climate change, habitat loss, water/food/energy sustainability, and livelihood insecurities. These themes will be explored through the lenses of the SDGs, namely: changing relations and methods of food production and food provisioning (SDG #2, 12); livelihood insecurities (SDG #1, 2, 4; 8, 10); access and use of resources (including water, land, energy) (SDG # 1, 6, 7, 15); displacement, migration, and refugee crisis; housing (SDG #11); health (SDG #3); and in/appropriate/disruptive technologies (SDG #9). These specific areas of concern will be explored through global political economy and political ecology perspectives. A global political economy perspective focuses on how power relations and inequalities change over time and affect the areas of interest listed above, particularly for the powerless – due to such factors as gender, ethnicity, indigeneity, and social class. A political ecology perspective combines the study of ecological systems, climate change, and human and non-human nature interactions with an analysis of social and political relations, placing political power inequities at the centre of its analysis. We have been expanding the number of Centre research associates by inviting new scholars involved in interdisciplinary collaborative research on these themes with expertise in global political economy and political ecology perspectives. We will intensify our ongoing efforts to revitalize the Centre as a globally visible research hub through the development of various new research projects, interdisciplinary collaborative partnerships, and public engagement forums that reflect this ongoing shift in the Centre's research involvement.

SFU scored very well in the Times Higher Education Impact Rankings which measures university contributions to the SDGs. <https://www.sfu.ca/sfunews/stories/2020/04/sfu-named--1-in-global-university-ranking-for-impact-on-sustaina.html>. The Centre's research focus on globally relevant themes of climate change, habitat loss, food/water/energy sustainability, and livelihood insecurities to be explored through the lenses of the SDGs will potentially contribute to SFU's realization of the SDGs.

Our current projects have focussed on Africa for several strategically important reasons: Africa is a priority region for SFU, and SFU International is working to increase the number

of collaborations in that region. SFU has identified Kenya as one of the top countries for collaborations. The Centre's activities (the MOU signed with the National Museums of Kenya, the recruitment of a postdoctoral fellow from the NMK, and several collaborative research projects with NMK) will strengthen SFU's strategic planning in relation to Africa. Furthermore, the SFU Senate has just approved a new Africa research centre in FASS (called African Studies Working Group), which aims to work across disciplines. Our current research focus on Africa will generate partnership possibilities with this newly established research centre as well. (Please see details of these Kenya-based projects below in the Significant Accomplishments section of this report.)

We intend to deepen our research collaboration and partnership with Dr. XiaoYu Wu (University of Waterloo) and Dr. Sami Khan (School of Sustainable Energy Engineering, SFU) through large scale projects on energy/food/water sustainability within Indigenous communities of Canada. Built on the Centre's membership with the Sustainable Development Solutions Network (SDSN-Canada) and its expertise with global sustainability, this partnership began with an Expression of Interest application for seed funding by the Government of Canada on rapid deployment of clean energy projects. The proposed research program addresses 8 of the 17 UN Sustainable Development Goals (SDGs), including Goal 2 (low cost sustainable farming to enhance food security), Goal 6 (secure clean water supply with lower energy consumption), and Goal 7 (decrease energy consumption, increase renewables deployment, and improve the energy security in Indigenous communities). The proposed research program further aligns with SFU's Strategic Research Plan by addressing environmental concerns and creating a sustainable future, supporting health across the human lifespan, and strengthening civil society by advancing justice, equity and social responsibility.

We also plan to cultivate closer research collaboration with sustainability-oriented faculty and graduate students from SFU's REM and its Sustainable Development Program.

Based on our strategic planning workshop, we intend to institute the following to be carried out on a regular basis:

- Community outreach/training activities
- Annual lecture series
- Annual workshops / conferences
- Monthly study/reading group meetings
- Working papers' series (for publication on the Centre's webpage).

Financial Summary

Does your institute receive direct financial support from the University?

No

SFU Account Number

N100004

Closing Balance

\$8999.10

Financial Report:

See attachment below

Financial Contributions from the university:

Please see below for revenues obtained from various SFU units:

1- The following revenues were in support of The Food, Climate Change & Migration - Public Engagement Forums (Fall 2019).

- Community Engagement Initiative \$6,660
- Faculty of Arts and Social Sciences \$5,500
- VP Academic \$2,000
- Centre for Comparative Muslim Studies \$2,000
- Faculty of Science \$1,000
- School for International Studies \$750
- Faculty of Environment \$500
- Department of Geography \$500
- International Community Engagement (the name has recently been changed to Refugee and New-Comer Program) \$500
- Department of Sociology and Anthropology \$250

2- FENV Dean's Operational Seed Funding Contribution (2019): Total: \$5,000

Was the Centre/Institute leveraged to attract external funding (donations, grants,

contracts) which were only made possible by its existence:

Yes

External funding details:

1- David & Cecilia Ting Endowment \$10,375

2- SITKA Foundation Postdoctoral Fellowship (2018-21) Total: \$82,500

Initial Funding (1 Sept. 2018 – 31 August 2020) \$55,000

Renewal Funding (1 Sept. 2020 – 31 August 2021) \$27,500

3- Royalty Gift Total: \$77.03

Confirm policy review

Yes

Submitted by:

Yildiz Atasoy

Director's Comments:

Please note that the Centre has not inherited any research funds from any research projects conducted during the term of the previous director. Therefore, the renewal report is based on the activities of the current director undertaken since Fall 2018.

Reviewer's section

Reviewed by:

Naomi Krogman

Decision:

Approved

Reviewer's Comments:

This report illustrates an interesting suite of activities that Yildiz Atasoy has managed to lead during a strange year. I encourage Dr. Atasoy and her collaborators to organize their workshop in Spring 2021 to develop of a SSHRC Connection and Partnership Engage application to be submitted in Fall 2021, in addition to exploring the SFU International Engagement Fund and other SFU internal opportunities. This is especially fruitful if it leads to developing proposals for the Insight and/or Insight Development competition in Fall/Spring 2022. I was also delighted to hear about how Yildiz is engaging refugees in Vancouver and her support for the Post-Doc's work in the Kibwezi region of Kenya. The topic of food security, sustainable livelihoods, and resilience is very timely to explore.

Last Name	First Name	Institution	Faculty (If SFU)	Department (If SFU)	Active Member	Peripheral Member
Atasoy	Yildiz	SFU	FASS	SA	Director	
Zafar	Adeel	SFU	FENV	REM	SC member	
Ignace	Marianne	SFU	FASS	Linguistics & Indigenous	SC member	
McCann	Eugene	SFU	FENV	Geography	SC member	
Knowler	Duncan	SFU	FENV	REM	SC member	
Cooper	Elizabeth	SFU	FASS	International Srtudies	SC member	
Nanji	Shaheen	SFU	SFU International		SC member	
D'Andrea	Catherine	SFU	FENV	Archeology	SC member	
Mann	Geoff	SFU	FENV	Geography	SC member	
Geller	Michael	Arhitect/planner			Active	
Leroy	Candace	SFU	Sustainability Office		Active	
Carroll	Bill	University of Victoria	FASS	Sociology	Active	
Bowles	Paul	UNBC		Global/Inter. Studies	Active	
Harris	Leila	UBC		Geography	Active	
Boutillier	Robert	Australian Centre for Corporate Soci	Social Responsibility		Active	
Moore	Jason	Binghamton	World Ecology Research Network		Active	
Erikson	Susan	SFU	Health Sciences		Active	
Otero	Gerardo	SFU	FASS	International Srtudies	Active	
Collard	Rosemary	SFU	FENV	Geography	Active	
Marks	Laura	SFU	Contemporary Arts		Active	
Soma	Tammara	SFU	FENV	REM	Active	
Doyon	Andreanne	SFU	FENV	REM	Active	
Khan	Sami	SFU	School of Sustainable Energy Engineering		Active	
Kale	Basak	Middle East Tech. University	International Studies		Active	
Dagevos	John	Tilburg University	Tilburg Sustainability Centre		Active	
Connely	Sean	university of Otago		Geography	Active	
Kivai	Stanislaus	Natioal Musuems of Kenya	Institute of Primate Research		Active	

By uploading this list, the Director certifies that all the members listed in this document have agreed to be affiliated with the Centre/Institute and approve of this renewal application

CSD REVENUES	TOTAL: \$117,612
1 - Public Engagement Forums (2019)	Total: \$30,035
David & Cecilia Ting Endowment	\$10,375
Community Engagement Initiative	\$6,660
Faculty of Arts and Social Sciences	\$5,500
VP Academic	\$2,000
Centre for Comparative Muslim Studies	\$2,000
Faculty of Science	\$1,000
School for International Studies	\$750
Faculty of Environment	\$500
Department of Geography	\$500
International Community Engagement (the name has recently been changed to Refugee and New-Comer Program)	\$500
Department of Sociology and Anthropology	\$250
2- SITKA Foundation Postdoctoral Fellowship (2018-21)	Total: \$82,500
Initial Funding (1 Sept. 2018 – 31 August 2020)	\$55,000
Renewal Funding (1 Sept. 2020 – 31 August 2021)	\$27,500
3- FENV Dean's Operational Seed Funding Contribution (2019)	Total: \$5,000
4- Royalty Gift	Total: \$77.03

SFU FAST System

Printed: 7/6/2020

Report Filter: User: emcgaffn Fund: 13 Internal Research (OR) Project: N100004 Intl Migration-CSDPeriod: Mar-2020 (Closed)

Object	Description	Budget Original	Budget Adjustments	Total Budget	Mar-2020 Cur.Month	Mar-2020 YTD.Actuals	O/S Encumb.	Balance Available
Revenues								
4104	Indiv - Gift	0.00	0.00	0.00	0.00	-77.03	0.00	77.03
	Subtotal	0.00	0.00	0.00	0.00	-77.03	0.00	77.03
Expenses								
5432	Sals Undergrad RA Cdn	0.00	0.00	0.00	240.00	1,240.00	0.00	-1,240.00
5436	Sals Masters RA Cdn	0.00	0.00	0.00	0.00	500.00	0.00	-500.00
5844	Invited Speakers Honoraria	0.00	0.00	0.00	0.00	500.00	0.00	-500.00
5911	Welfare Benefits	0.00	0.00	0.00	16.52	153.27	0.00	-153.27
6610	Consulting Services	0.00	0.00	0.00	0.00	5,150.00	0.00	-5,150.00
6999	Internal Expense Transfer	0.00	12,160.00	12,160.00	0.00	-15,125.00	0.00	27,285.00
7000	Employee Travel Expenses	0.00	0.00	0.00	0.00	332.05	0.00	-332.05
7020	Non-Employee Travel Expenses	0.00	0.00	0.00	0.00	4,077.74	0.00	-4,077.74
7030	Visitor Travel Expenses	0.00	0.00	0.00	0.00	206.33	0.00	-206.33
7050	Meals Expenses	0.00	0.00	0.00	0.00	346.79	0.00	-346.79
7414	MECS Internal Charges	0.00	0.00	0.00	0.00	6,481.75	0.00	-6,481.75
7468	Information Services Charges	0.00	0.00	0.00	0.00	25.00	0.00	-25.00
7900	InterFund Transfer To-From	0.00	2,000.00	2,000.00	0.00	7,100.00	0.00	-5,100.00
7915	Budget Balance Forward	0.00	5,750.00	5,750.00	0.00	0.00	0.00	5,750.00
	Subtotal	0.00	19,910.00	19,910.00	256.52	10,987.93	0.00	8,922.07
Assets								
1300	Travel Advances Receivable	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	19,910.00	19,910.00	256.52	10,910.90	0.00	8,999.10



Dr. Yıldız Atasoy, PhD
Director, [Centre for Sustainable Development](#), Faculty of Environment
Professor, [Sociology](#), Faculty of Arts and Social Sciences
Associate Member, the School for International Studies
Associate Member, Department of Geography
Simon Fraser University
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28 January 2020

Re: David and Cecilia Ting Endowment for Education for Public Responsibility: Final Report
(Funding: \$10,375)

I am very pleased to report that the **Food, Climate Change and Migration Public Engagement Forums** were concluded with great success and high attendance by individual refugees, SFU faculty, students, and the general public. I organized these forums in partnership with SFU Public Square, and Leadership and Community Building Programs of Lifelong Learning, over three months in September, October and November of 2019. Among our community partners are the City of Vancouver, MOSAIC, ISS of BC, DiverseCity, the Laurier Institute, CKX, and Ed Me Co, who participated in the planning process of the forums, provided support and volunteers. Although the last event took place on 16 November, our invited guest presenter did not submit his expense receipts until January 2020. Therefore, I was unable to submit my final report immediately after the last forum.

Please see the forums' details by clicking on the following link: Food, Climate Change & Migration - Public Engagement Forums: <http://www.sfu.ca/sustainabledevelopment/food-climate-change-and-migration/#>. Forums' website and Eventbrite pages were designed by SFU Public Square. Dr. Harriet Friedmann from the University of Toronto was the invited scholar for the September forum; Dr. Saskia Sassen from Columbia University was invited for the October forum; and Dr. Jason Moore from Binghamton University for the November forum. (Unfortunately, the October forum was cancelled just one week before its commencement due to Dr. Saskia Sassen's health concerns.) These forums were an innovative, timely and important collaborative project exploring the intersection of climate change, food insecurity, displacement and migration. Each forum convened two dialogues – one in the morning and another in the afternoon. Morning dialogues were centred on the voices and lived experiences of refugees and immigrants, and the barriers, challenges, and opportunities they face in relation to food, land, culture and climate change. It was equally important to explore how these issues were part of refugees' own decision-making process before migration. Afternoon sessions were joint dialogues between people with lived experiences of displacement and migration who participated in the morning sessions, along with academics, policy analysts, students and the general public. Afternoon sessions were built upon points of conversation and themes identified in the morning sessions and aimed to identify patterns, challenges and opportunities for further research and collaboration with community partners. Dialogues were carried out as round-table discussions, mediated by volunteers who took notes of discussions and were supported by contracted dialogue facilitators. Each morning and afternoon dialogue included indigenous voices as well. Kim Haxton of 'Indigeneyez' opened the November event and co-hosted the event with our

invited scholar, setting the colonial context on Turtle Island and identifying commonalities of displacement and food-climate change concerns. Similarly, our September event was opened and co-hosted by T'uy't'ananat - Cease Wyss (a Coast Salish ethnobotanist). Leadership and Community Building Programs of Lifelong Learning provided an honorarium of \$500 to each of our invited indigenous co-hosts for their land acknowledgement contribution to the forums. I gave a presentation at each session of the forums concerning the combined effects of the industrialization of agriculture, unsustainable food systems and climate change on immigration and current refugee crisis.

Participation in these events was by invitation only, which required me, Janet Webber (Executive Director of SFU Public Square) and Jennifer Reedy (Associate Director of Leadership and Community Building Programs) to write and send hundreds of emails to a vast number of targeted refugee individuals and refugee organizations for registration and attendance. I also spent a significant amount of time identifying and sending emails of invitation to various scholars across BC who specialize in aspects of food, climate change and the refugee/immigration crisis. This work, and other organizational efforts related to the forums, served to generate visibility for SFU, and allowed us to develop new interdisciplinary working groups which will facilitate a community-engaged research projects in the near future. I am happy to note that attendance at the forums exceeded my expectations. For example, while I aimed to have 40 refugee individuals in the morning refugee session of the November event, we had 88 individual refugees in attendance. And while I aimed to secure 100 participants for the afternoon public engagement session, we had more than 200 in attendance. Significantly, 25 community organizations which assist refugee communities throughout metro Vancouver have provided in-kind support, facilitated refugee attendance, and attended the forums.

The public engagement forums have facilitated the deepening of community contacts and partnerships so as to increase SFU's profile and will serve as a stepping-stone to launch a large-scale, community-engaged collaborative research project. I am currently organizing a workshop which will take place in Spring 2020 with refugee individuals and organizations who participated in the forums. I have already received signed agreements from individual refugees and representatives of various refugee organizations. We now have 55 individuals who signed the 'future collaboration sign-up' sheet and expressed interest in participating in future research partnerships. I expect strong participation from at least 80 refugees in the workshop. I have budgeted \$12,100.25 for this workshop. While I have \$5,869.17 currently remaining in the account, I will have to raise \$6,231.08 from various sources across SFU. Please see the breakdown of the workshop budget below. I, Janet Webber from SFU Public Square, and Jennifer Reedy from Lifelong Learning will meet on Friday, 31 January for a debriefing. We will discuss future community-engaged research collaboration possibilities based on the themes that emerged at the public engagement forums. Please see below my tentative budget for a workshop of approximately 4 hours in length:

HC Room Charge 10 round tables – 8 refugees per table	\$845.00
HC AV Including, computer, microphones, projector, digital recording, internet connection	\$655.25
Morning coffee service	\$800.00
Lunch	\$1,200.00
Honoraria to be paid to individual refugees \$50.00 @ 80 people	\$4,000.00

Translink return tickets	\$288.00
Honoraria: translators (\$50.00 per person per hour): \$50.00 x 4 hours x 3 translators Arabic, Farsi and Spanish	\$600.00
Honoraria to be paid for volunteers (note takers) (\$50.00 per person per hour): \$50.00 x 10 volunteers x 4 hours	\$2,000.00
Professional Fees Preparation, process design, online and in-person meetings; delivery of facilitation for one workshop	\$2,000.00
Total	\$12,388.25

For the public engagement forums, I was able to generate \$30,035.00 from various units across SFU, including the Ting Endowment (\$10,375.00), SFU Community Engagement Initiative (\$6,660.00), FASS (\$5,500.00) and VP Academic (\$2,000.00). Our total expenses amounted to \$24,165.83, after SFU's tax rebate.

I am happy to note that we were able to provide honoraria of \$50.00 and return-fare Translink tickets to registered participants of refugee individuals and volunteers as a way to recognize their time and contribution to the events. We provided honoraria for 83 refugee individuals who participated in the September 14 and November 16 Public Engagement forums, and for 20 volunteers who assisted as table facilitators and note takers. Please note that my listing of the forums' account reflects the invoices and debit statements which I have attached to my email. For the actual amounts drawn from FAST after GST rebates, please see the FAST listing on the excel sheet.

Honorariums Paid to Individual Refugee Participants and Volunteers
\$50.00 each and Translink ticket return.
Total: \$5,438.00
Please see attached expense reports.

Translink (Bus/skytrain)	\$288.00
Honoraria non-employee (volunteers) Sept. 14, 2019	\$1,000.00
Honoraria non-employee (refugees) Nov. 16, 2019	\$4,150.00

There was also simultaneous Spanish, Farsi and Arabic translation at these forums. We were able to provide an honorarium of \$50.00 per hour for each interpreter. Please see attached expense reports.

Please note that although the October forum was cancelled, we had to pay our interpreters for the October forum, given the fact that the forum was cancelled just a few days before the event.

Honorarium Paid to Interpreters (\$50.00 per hour).

Total: \$1,600.00

Carolina Henriquez Interpretation: Sept. 14, 2019; Nov. 16, 2019	\$400.00
Mohammad Sadiq Mohibi (Farsi) Interpretation: Sept. 14, 2019; Oct. 5, 2019; Nov. 16, 2019	\$600.00
Lamiaa Al Olabi Interpretation: Sept.14, 2019; Oct. 5, 2019	\$400.00
Lamiaa Al Olabi Interpretation: November 16, 2019	\$200.00

We also contracted for professional dialogue facilitators and paid facilitation and design fees, totalling \$5,500.00 for the September 14 and November 16 forums. (Please see attached expense reports)

Kris Archie Facilitation and Design for one forum on Sept. 14, 2019	\$1,500.00
Natalie Lozano Facilitation and design for both morning and afternoon forums on Nov. 16, 2019	\$2,000.00
Tesicca Truong Facilitation and design for both morning and afternoon forums on Nov. 16, 2019	\$2,000.00

We have spent a total of \$11,657.46 to support our invited guest scholars. Details are listed below (Please see attached expense reports).

A. September 14, 2019 Forum

Guest: Harriet, Friedmann

Total cost: \$3,520.20

Please note that Harbour Centre provided us with the Segal Rooms and AV free of charge as part of its 30th anniversary)

Flight	\$689.00
Taxi	\$84.55
Per diem (meals for three days @ \$57.00/day)	\$171.00
Honorarium	\$500.00
Delta Hotel	\$867.79
Hosting Dinner	\$211.89
Catering/Refreshment Breaks (includes GST \$16.17)	\$995.97

B. October 16, 2019 Forum

Total Cost \$422.50

The event was cancelled due to Dr. Saskia Sassen's health concerns. Nevertheless, we had to pay a cancellation fee:

1400-1430 Segal Centre 50% cancellation Fee	\$422.50
--	----------

C. November 16, 2019 Forum

Guest: Jason Moore

Total Cost: \$7,714.96

HC Invoice		\$5,063.28
Room Charge	\$845.00	
AV	\$655.25	
Morning coffee	\$797.09	
Lunch	\$1,274.40	
Afternoon coffee	\$1,433.70	
GST on catering	\$57.84	
Hosting Dinner		\$237.37
Meals for volunteers		\$118.60
Honorarium		\$500.00
Taxi (J. Moore)		\$129.05
Per diem (meals for three days @ \$57.00/day)		\$171.00
Flight		\$982.50
Delta Hotel		\$467.66
Taxi (Y. Atasoy)		\$45.50

As the series is now complete, I will organize a workshop with interested faculty and refugee organizations to explore possibilities for collaboration on a large-scale community engaged research project under the umbrella of the Centre for Sustainable Development. (Please see budget details for the workshop on page 2.) I have already met twice with research facilitators at FASS (Beverly Neufeld) and FENV (Naveed Gulzar) to explore funding sources. Building on the emerging themes from the public engagement forums already completed and from the workshop to be organized in the near future, I will undertake smaller-scale projects at first. This includes outreach activities centred around knowledge mobilization and research activities with partner organizations via various SSHRC funded grant applications. These activities are intended to build a stronger base from which to launch a large-scale community engaged research program.

Thank you very much for your consideration of my report.

Yours sincerely,



Dr. Yıldız Atasoy, PhD

Professor, [Sociology](#), Department of Sociology and Anthropology, Faculty of Arts and Social Sciences
Director, [Centre for Sustainable Development](#), Faculty of Environment

Lifelong Learning Endowment Fund Project/ Initiative Financial Plan

Endowment Committee Proposal #

18-TING042

Fiscal Year:

2019

Approved funding (amount):

\$ 10,375.00

Project/ Initiative Title:

Food, Climate Change and Migration Public Engagement Forums

Project/ Initiative Dates:

14 September, 5 October, 16 November 2019

Please indicate estimated start date and end date.

FINANCIAL REPORT	Required upon approval of proposal	Required within 30 days of project/ initiative end date	GL Account Code (from FAST)
	Plan (Estimate)	Actuals	
Revenue			
Endowment fund	\$ 10,375.00		4899
Other sources of funding	\$ 19,660.00		6999/7900/7915
Total revenue	\$ 30,035.00	\$ -	
Expenses			
Salaries & Benefits	\$ -		
Salaries			
Benefits			
Total salaries & benefits	\$ -	\$ -	
Non-Salary Expenses	\$ 24,195.66		
Honouraria	\$ 8,038.00		5844/6610/7000/7900
Professional Fees (consulting)	\$ 5,500.00		7900
Travel Expenses	\$ 1,671.50		7000/7020/7030
Transportation	\$ 273.14		7000/7020/7030
Hotel accommodation	\$ 1,296.81		7020
Room/ space rental	\$ 1,267.50		7414
Audio visual services/ rental	\$ 655.25		7414
Advertising and promotion			
Catering (food & beverage)	\$ 4,674.54		7050/7414
Other expenses:			
Per diem for two invited guests	\$ 342.00		7020
Hosting dinners	\$ 422.09		7030/7050
Forum email account	\$ 25.00		7468
Total non-salary expenses	\$ 24,165.83	\$ -	
Total expenses	\$ 24,165.83	\$ -	
Surplus (Deficit)	\$ 5,869.17	\$ -	

Actual expenses should be taken from FAST. Please indicate GL account codes where expenses were charged.
If necessary, please attach back up documents or schedules to this report.

Funds from endowment will be transferred once fina.final report and final financial plan are submitted.

			Object	Title		Tran Date	Description	Amount	
Non-Salary Expenses	Audio visual services / rental		7414	MECS Internal Charges	Expense	2019-11-30	"Food, Climate Change, & Migra	655.25	MECS
Non-Salary Expenses	Catering (food & beverage)		7050	Meals Expenses	Expense	2019-12-09	Atasoy,Yildiz	114.04	Meals - volunteers
Non-Salary Expenses	Catering (food & beverage)		7050	Meals Expenses	Expense	2019-12-09	Atasoy,Yildiz	1.5	Meals - volunteers
Non-Salary Expenses	Catering (food & beverage)		7414	MECS Internal Charges	Expense	2019-11-30	"Food, Climate Change, & Migra	3,505.19	MECS
Non-Salary Expenses	Catering (food & beverage)		7414	MECS Internal Charges	Expense	2019-11-30	"Food, Climate Change, & Migra	57.84	MECS
Non-Salary Expenses	Catering (food & beverage)		7414	MECS Internal Charges	Expense	2019-09-30	"Forums on International Migra	979.8	Forum #1
Non-Salary Expenses	Catering (food & beverage)		7414	MECS Internal Charges	Expense	2019-09-30	"Forums on International Migra	16.17	Forum #1
Non-salary expenses	Honoraria		7900	InterFund Transfer To-From	Expense	2020-01-08	Jennifer Reddy	1600	FAST Entry 7900 \$7,100
Non-Salary Expenses	Honoraria		5844	Invited Speakers Honoraria	Expense	Pending	Jason Moore	500	Honoraria
Non-Salary Expenses	Honoraria		6610	Consulting Services	Expense	2019-12-09	Atasoy,Yildiz	4,150.00	Honoraria
Non-Salary Expenses	Honoraria		6610	Consulting Services	Expense	2019-12-09	Atasoy,Yildiz	1,000.00	Honoraria
Non-Salary Expenses	Honoraria		7000	Employee Travel Expenses	Expense	2019-12-09	Atasoy,Yildiz	288	Honoraria
Non-Salary Expenses	Honoraria		5844	Invited Speakers Honoraria	Expense	2019-10-18	Miscellaneous Honoraria	500	Harriet Friedmann
Non-Salary Expenses	Other Expenses	Forum email	7468	Information Services Charges	Expense	2019-06-03	Creation of acct "forums&	25	Admin
Non-Salary Expenses	Other Expenses	Hosting Dinner - Invited Guests	7050	Meals Expenses	Expense	2019-12-09	Atasoy,Yildiz	3.01	Hosting - meal
Non-Salary Expenses	Other Expenses	Hosting Dinner - Invited Guests	7050	Meals Expenses	Expense	2019-12-09	Atasoy,Yildiz	228.24	Hosting - meal
Non-Salary Expenses	Other Expenses	Hosting Dinner - Invited Guests	7030	Visitor Travel Expenses	Expense	2019-10-24	Atasoy,Yildiz	188.36	Hosting - meal
Non-Salary Expenses	Other Expenses	Hosting Dinner - Invited Guests	7030	Visitor Travel Expenses	Expense	2019-10-24	Atasoy,Yildiz	2.48	Hosting - meal
Non-Salary Expenses	Other Expenses	Per Diem - Invited Guests	7020	Non-Employee Travel Expenses	Expense	Pending	Jason Moore	171	FAST Entry 7020 \$1,282.55 Jason Moore
Non-Salary Expenses	Other Expenses	Per Diem - Invited Guests	7020	Non-Employee Travel Expenses	Expense	2019-10-24	Miscellaneous Expenses with GS	171	FAST Entry 7020 \$914.41 Harriet Friedman
Non-salary expenses	Professional fees (consulting)		7900	InterFund Transfer To-From	Expense	2020-01-08	Jennifer Reddy	5500	FAST Entry 7900 \$7,100
Non-Salary Expenses	Room / Space Rental		7414	MECS Internal Charges	Expense	2019-11-30	"Food, Climate Change, & Migra	845	MECS
Non-Salary Expenses	Room / Space Rental		7414	MECS Internal Charges	Expense	2019-10-15	**CANCELLED** Sociology and An	422.5	Forum #2 - cancelled
Non-Salary Expenses	Travel Expenses		7020	Non-Employee Travel Expenses	Expense	Pending	Jason Moore	982.5	FAST Entry 7020 \$1,282.55 Jason Moore
Non-Salary Expenses	Travel Expenses		7020	Non-Employee Travel Expenses	Expense	2019-10-24	Miscellaneous Expenses with GS	689	FAST Entry 7020 \$914.41 Harriet Friedman
Non-Salary Expenses	Travel Expenses	Hotel Accommodation	7020	Non-Employee Travel Expenses	Expense	2019-11-25	Delta Vancouver Suites	454.15	Jason Moore
Non-Salary Expenses	Travel Expenses	Hotel Accommodation	7020	Non-Employee Travel Expenses	Expense	2019-09-24	Delta Vancouver Suites	842.66	Harriet Friedmann
Non-Salary Expenses	Travel Expenses	Transportation	7020	Non-Employee Travel Expenses	Expense	Pending	Jason Moore	129.05	FAST Entry 7020 \$1,282.55 Jason Moore
Non-Salary Expenses	Travel Expenses	Transportation	7000	Employee Travel Expenses	Expense	2019-12-09	Atasoy,Yildiz	0.72	Taxi - Yildiz
Non-Salary Expenses	Travel Expenses	Transportation	7000	Employee Travel Expenses	Expense	2019-12-09	Atasoy,Yildiz	43.33	Taxi - Yildiz
Non-Salary Expenses	Travel Expenses	Transportation	7030	Visitor Travel Expenses	Expense	2019-10-24	Atasoy,Yildiz	15.24	Taxi - Yildiz
Non-Salary Expenses	Travel Expenses	Transportation	7030	Visitor Travel Expenses	Expense	2019-10-24	Atasoy,Yildiz	0.25	Taxi - Yildiz
Non-Salary Expenses	Travel Expenses	Transportation	7020	Non-Employee Travel Expenses	Expense	2019-10-24	Miscellaneous Expenses with GS	84.55	FAST Entry 7020 \$914.41 Harriet Friedman
Revenue	Endowment Fund		4899		Revenue	Pending	David and Ceceila Ting Endowment	-10375	Ting Foundation
Revenue	Other sources of funding		6999	Internal Expense Transfer	Revenue	2019-09-19	FUNDS FOR PUBLIC FORUMS	-500	SFU International
Revenue	Other sources of funding		6999	Internal Expense Transfer	Revenue	2019-08-28	GEOG. CONT. TO ENGAGEMENT FORU	-500	Geography
Revenue	Other sources of funding		6999	Internal Expense Transfer	Revenue	2019-08-21	FOS CONTRIB TO FCCM CONFERENCE	-1,000.00	Faculty of Science
Revenue	Other sources of funding		6999	Internal Expense Transfer	Revenue	2019-08-13	FASS RAPIDRF DR. ATASOY	-5,500.00	FASS
Revenue	Other sources of funding		6999	Internal Expense Transfer	Revenue	2019-07-31	Internal Expense Transfer	-2,000.00	Centre for Comparative Muslim Studies
Revenue	Other sources of funding		6999	Internal Expense Transfer	Revenue	2019-07-19	INTL MIGRATION FORUM (ATASOY)	-750	International Studies
Revenue	Other sources of funding		6999	Internal Expense Transfer	Revenue	2019-06-30	FORUMS ON INTER MIGRATION	-6,660.00	Office of Community Engagement
Revenue	Other sources of funding		7900	InterFund Transfer To-From	Revenue	2019-04-08	VPACONFUNDY1920 DR. ATASOY	-2,000.00	VPA Conference Fund
Revenue	Other sources of funding		7915	Budget Balance Forward	Expense	2019-04-01	Budget carryforward from 18/19	-500.00	FENV Lecture Services
Revenue	Other sources of funding		7915	Budget Balance Forward	Expense	2019-04-01	Budget carryforward from 18/19	-250.00	Sociology
								-5869.17	

Senate Committee on International Activities (SCIA)
Document Submission

Instructions

To ensure appropriate approvals, the following form must be included with international project proposals or proposed agreements that are submitted to SCIA for consideration.

- Please attach supporting information as outlined in this form.
- All submissions must be sent to scia@sfu.ca prior to the submission deadline posted on the SCIA website <http://www.sfu.ca/Senate/Senatecomms/SCIA/index.html>.
- Late submissions will be added to the agenda for the next meeting.

If you have any further questions, please
contact:

SFU International
Tel: 778-782-9474 Fax: 778-782-4860
scia@sfu.ca

SCIA PROPOSAL COVER SHEET

GENERAL INFORMATION

Name of Faculty/Staff Member: Dr. Yildiz Atasoy

Email: yatasoy@sfu.ca


Telephone: 25520

Faculty/Department/Other: Centre for Sustainable Development, Faculty of Environment

Date of SCIA Meeting: 6 December 2019

Name of Project/Proposal: Collaboration for Capacity-building and Research on Sustainable Development

Name of Proposed Partner: National Museums of Kenya

Signature: 

TYPE OF ACTIVITY/PARTNERSHIP SOUGHT

- ☒ Intent to Collaborate (MOU or LOI)
- ☐ Student Mobility
- ☐ Joint Curricular Program
- ☐ Joint Non-Curricular Program
- ☐ Research
- ☐ 2 +2 Agreement
- ☐ Other:

- ☐ Field School Program (ISS)
- ☐ Field Study Program (non-ISS)
- ☐ Work Integrated Learning/Co-op
- ☐ International Service Learning/Volunteering
- ☐ International Development Project
- ☐ Franchise Program

TYPE OF ACTION SOUGHT FROM SCIA

- ☒ For Approval
- ☐ For Recommendation
- ☐ For Information

☐ Other:

OTHER APPROVALS

Please indicate if you are seeking approval from Faculty or other Senate Committees for this proposal.

- ☒ No
- ☐ Yes (specify):

TYPE OF AGREEMENT

Please indicate which of the existing templates you will be using to formalize the affiliation with the partner institution if applicable:

Agreement	Description/Purpose
<input checked="" type="checkbox"/> Memorandum of Understanding (MOU)	A non-binding expression of intent to collaborate. An MOU is used when University as a whole is seeking the collaboration.
<input type="checkbox"/> Letter of Intent (LOI)	A non-binding expression of intent to collaborate. An LOI is used when a specific unit or faculty is seeking the collaboration.
<input type="checkbox"/> Student Mobility Agreement (SMA)	A binding agreement that sets out of the terms of engagement to send and receive students to complete a learning experience (includes exchange, study abroad, coop, research and practicum placements)
<input type="checkbox"/> 2 + 2 Agreement	A binding agreement that sets out the terms of collaboration for receiving fee-paying students as transfer students into third year to complete an SFU undergraduate degree.
<input type="checkbox"/> Joint/Dual Degree Agreement	A binding agreement that sets out the terms of collaboration for collaborating with another institution in the delivery of a joint or a dual degree.
<input type="checkbox"/> International Professional Services Agreement	A binding agreement outlining the contractual obligations between SFU or a unit of SFU and a service provider abroad for the purpose of completing an international activity.
<input type="checkbox"/> Study Abroad (one-way)	A binding agreement hat sets out the terms of engagement to send OR receive students to complete a learning experience. This is used to formalize one-way student exchange programs (tuition fee is typically assessed in this case).
<input type="checkbox"/> Other	If a template does not exists to meet the needs of the affiliation proposed here, please provide details in a memo of the proposed terms of engagement.

FACULTY(IES) INVOLVED IN ACTIVITY/AFFILIATION

- | | |
|---|---|
| <input type="checkbox"/> University-wide * | <input type="checkbox"/> Faculty of Education |
| <input type="checkbox"/> Lifelong Learning | <input checked="" type="checkbox"/> Faculty of Environment |
| <input type="checkbox"/> Faculty of Applied Science | <input type="checkbox"/> Faculty of Health Sciences |
| <input type="checkbox"/> Faculty of Arts and Social Science | <input type="checkbox"/> Faculty of Science |
| <input type="checkbox"/> Beedie School of Business | <input checked="" type="checkbox"/> Other (specify): Work Integrated Learning (WIL) |
| <input type="checkbox"/> Faculty of Communication, Art and Technology | |

* Classification of an affiliation as university-wide must be done in consultation with SFU International prior to submitting.

PROPOSAL

In your proposal please speak to the following:

- **summary** of the proposed activity and or partnership;
- brief details on the **history of the development** of this program and/or partnership;
- **rationale** for activity and/or partnership including an overview of the **benefits** to SFU (and to the partner if applicable);
- **future potential** for further activity and/or collaboration and how the proposed contributes to SFU's vision and International Engagement Strategy;
- in the case of student mobility agreement, also speak to its **viability** as a reciprocal arrangement and provide an **academic rationale**.

Enter text here:

The purpose of this MOU is to find ways to collaborate with the National Museums of Kenya (NMK), its Institute for Primate Research (IPR), and particularly its Conservation Biology Department (CBD), to support the institutional capacity of these organizations in sustainable management strategies, and to promote sustainable development as a key component of the NMK's eco-conservation work in the Samburu County and the Chyulu Hills Ecosystem Regions of Central Kenya.

The Centre for Sustainable Development is a research unit of Simon Fraser University that engages University resources and talents to generate a greater understanding of, and meaningful engagement with, sustainability. SFU collaborates with local, regional, national and international organizations to build the capacity for an enduring commitment to sustainable development on a global level. Collaboration with these organizations in East Africa will allow SFU to share skills in support of sustainability in this ecologically important region.

We propose a collaboration between Simon Fraser University's Centre for Sustainable Development and the National Museums of Kenya to promote collaborative research and capacity-building on locally identified sustainable development issues.

The areas of mutual interest include:

- the promotion of sustainable livelihoods in the identified regions;
- the promotion of Canadian-Kenyan dialogue on sustainability issues;
- the enhancement of the capacity of National Museums of Kenya, Institute for Primate Research - through its Conservation Biology Department, to work with communities in this region;
- the support of cross-institutional learning and meaningful engagement on how to achieve global sustainability, sustainable agro-eco systems, and sustainable food and water security;
- the promotion of an international focus on climate change, environmental challenges and solutions.

The collaboration will start with a post doctoral fellowship for an NMK employee to conduct research and learning activities at SFU for two years, as a researcher within the Centre for Sustainable Development. The PDF will promote institutional awareness within SFU of sustainability issues in this region, identify and initiate key areas of conservation research that SFU can collaborate on, and seek to generate funds that will support local sustainable development projects in the regions, including climate change resilience initiatives for sustainable livelihoods and agro-ecologically suitable development projects. The PDF is supported by a grant secured from the Sitka Foundation.

The following units within SFU are supportive of, and have expressed interest in, collaborative research with the NMK:

- Department of Biological Sciences (Faculty of Science). Dr. Tony Williams, Acting Chair, supports the MOU and future research collaboration in areas of ecology and biodiversity conservation;
- The Centre for Wildlife Ecology (Faculty of Science). Dr. Ron Ydenberg, Director, is supportive of the MOU. Possible areas of research include effects of climate change on wildlife ecology including migratory birds;
- Department of Geography (FENV). Rosemary-Claire Collard has expressed support for the MOU and an interest in research collaboration. Possible research areas include the effects of economic regimes, cultural practices and politics of institutions on biodiversity loss and extinction. Dr. Collard, Dr. Christina Giovas from the Department of Archeology, and I, Director of Centre for Sustainable Development, have scheduled a meeting to be held in late November with the Research Facilitator in FENV, to develop research clusters. This includes large-scale research collaboration with the NMK;
- Department of Archaeology (FENV). Dr. Mark Collard, Dr. Catherine D'Andrea, and Dr. Francesco Berna are supportive of this proposed collaboration. Possible areas of research include social-cultural organization in non-industrial food producing communities; niche construction, toolkit variation, and resilience among hunter-gatherers, small-scale food producers and herders; capacity building for agricultural people in achieving goals of sustainable development, food security and poverty reduction; ethnoarchaeological research collaboration on agroecologically suitable crop production, as well as environmental bioarchaeology research on animal, plant and human interactions, animal management strategies and dispersal networks in drawing pathways for agroecologically sustainable livelihoods;
- Resource and Environmental Management (FENV). Dr. Zafar Adeel, who is also Director of the Pacific Water Research Centre, has indicated support for collaborative research on the relationship between water security and sustainable development goals, as well as the water-energy-food security nexus under conditions of climate change and indigenous knowledge mobilization.

- Department of Sociology and Anthropology (FASS). Dr. Parin Dossa, Dr. Michael Hathaway, and Dr. Sonja Luehrmann (Anthropology) expressed their support and interest in collaborative research to forge new constellations of meanings, practices, and forms of environmental governance in relation to changing understandings of nature, social categories and power dynamics; human capacity building to change habits and convictions; climate-change induced migration, displacement and reconstitution of lives on the margins.
- School for International Studies (FASS). Dr. Elizabeth Cooper and Dr. Gerardo Otero expressed their support for the MOU and an interest in collaborative research. In fact, Dr. Cooper has been active in establishing the SFU African Studies Working Group. The proposed MOU will be a great opportunity for the working group to undertake collaborative research with colleagues in the NMK. Possible research areas include health, education and capacity building of displaced people, including children and young people; relationship between sustainable livelihood and kinship, caring and intergenerational relations; agriculture, food security, health and ecology.
- There is also an initiative in development to work together with SFU International to establish a field school with the NMK. I am in communication with Shaheen Nanji, Director of International Community Engagement, on this issue.

Moreover, the proposed research collaboration between SFU and the NMK will generate training and scholarly visit opportunities for our graduate students and for NMK scholars and staff.

RISK, SAFETY AND HUMAN RIGHTS CONSIDERATIONS

Health and Safety risks: Provide relevant risks to health and safety and related mitigation plans in compliance with GP 23 and with reference to the SCIA Risk Assessment Guidelines.

Enter text here:

There are no anticipated health or safety risks associated with the MOU as it is only an intent to collaborate. Any specific projects or initiatives developed under this agreement will incorporate assessments of any risks and plans to mitigate those risks.

Compliance with Policy GP 23: Please provide any additional information relevant to policy GP 23 and the SCIA Risk Assessment Guidelines applicable to this proposal.

Enter text here:

This project is in compliance with GP 23.

Financial Sustainability Plan (Please provide a brief overview of the financial risks, liabilities and sustainment plan including sources of funding. Detailed budgets are not required)

Enter text here:

The two-year post doctoral fellowship is fully covered by a grant from the Sitka Foundation. Any other activities that are undertaken through this MOU will be based on finding adequate financial resources through research or international development grants.

Additional Information Please indicate if there is any additional information relevant to this proposal that has not already been covered in the sections above.

Enter text here:

PARTNER PROFILE

Please consult with SFU International if you have any questions or need any assistance in completing this section.

Background: Include history, size (in terms of faculty and students), national stature, accreditation status, national and international ranking, etc.

Enter text here:

The Conservation Biology Department (CBD) at the Institute for Primate Research in the NMK is dedicated to conservation of biodiversity in Kenya. Primary roles include: protection and monitoring of endangered primates and other mammals, resolution of human-wildlife conflicts, and enhancing the role of local communities in conservation.

At present their focus is on two key regions that are the subject of great political, ecological negotiations: the Chyulu Hills Ecosystem Region (CHE) and Mathew Ranges Ecosystem (North-central Kenya). In these regions, the CBD works with local community-based organizations, relevant government and non-governmental environmental organizations to implement sustainable development and conservation activities. These include:

- promotion of various agro-ecologically suitable farming initiatives to reduce food insecurity, nutritional deficiencies, and poverty;
- promotion of sustainable water supply, conservation and access systems to mitigate the effects of water scarcity or water stress;
- promotion of biodiversity conservation;
- community engagement to explore ways to facilitate agroforestry and sustainable resource initiatives;
- facilitation of the Green Forest Fighters (GFF), which is a local conservation organization initiative that coordinates a large-scale, locally driven forestation programme on the eastern region of the CHE
- support for locally made energy saving stoves to reduce overdependence on natural resources; and

- the establishment of an institutional fieldwork research site in Nyamunyak conservancy to promote collaborative research and eco-educational programs that directly support local community participation and sustainable development.

Academic Profile: Provide an overview of academic programs offered

Enter text here:

n/a

Research Capacity: Provide an overview of its research breadth/scope including research centers and annual research budget if available.

Enter text here:

The Directorate of Research and Collection (DRC) which constitutes the research arm of NMK provides core research on the cultural and natural heritage of the country. It also manages the national collection. Although it has served these functions since the beginning of the founding of the museums in Kenya, the Directorate was given its current name after the last organizational restructuring in 2007.

The DRC has a mandate to develop and implement research projects on the sustainable use, conservation and preservation of Kenya's heritage. The collection that arises from the research activities is deposited and curated in the directorates' repositories. These repositories form the core of the national reference collection of natural and cultural heritage, and constitute the basis for education, research and conservation in the various fields covered.

The research activities and programmes undertaken by the Directorate have resulted in a steady stream of scholarly publications, documents and reports published by governmental, supranational and non-profit organizations. This has increased the national reference collection which is currently estimated at over four million items. The capacity to conduct research at the Directorate is strengthened by some 35 Doctorate and over 57 Master degree level officers. The Directorate, furthermore, plays a key role in education, training and public awareness. It provides specialized training at several levels to strengthen the national capacity to conduct heritage research work. A significant number of research staff members are frequently called upon by local universities to offer specialized courses whose expertise is only available at NMK.

The Directorate is responsible for Kenya's international/ multilateral environmental agreements and conventions, including the Convention on Biological Diversity (CBD) and the Convention on International Trade in Endangered Species of Flora and Fauna. It also serves as the Scientific Authority for the Ramsar Convention. In order to perform its roles effectively, the Directorate operates the following research departments: Botany, Centre for Biodiversity, Cultural Heritage, Earth Sciences, and

Zoology.

International Profile: Provide list of existing international partnerships highlighting where possible, those that are shared with SFU. Please also include any relevant international accreditation and affiliations.

Enter text here:

Currently, the Conservation Biology Department (CBD) is working with Rutgers University and the Smithsonian Institute to support its initiatives. The CBD is seeking a Canadian academic institute for research collaboration and support for their projects in these two globally significant ecological regions. This is particularly important for SFU, a public institution committed to meaningful engagement directed toward sustainability in the current context of climate change and other environmental challenges.



APPROVALS

Faculty Approvals (Faculty-specific agreements)

Decanal approval is required for all faculty-specific proposals. Chair's approval is required if activity or affiliation is associated with a specific department. Please note that when more than one Decanal signature is required, the proposing faculty member must obtain all the required signatures. University-wide proposals must be presented to the Executive Director, SFU International, prior to submission.

Faculty: Dean: Ingrid Leman Stefanovic

Environment Associate Dean/Chair:

Signature:

Signature:

Faculty: Dean:

Environment Associate Dean/Chair: Dongya Yang

Signature:

Signature:

Faculty: Dean:

Associate Dean/Chair:

Signature:

Signature:

Administrative Approval (Student Mobility Proposals Only)

Director, International Services for Students (ISS activity only):

Signature: _____

Print Name

Director, Work Integrated Learning (WIL only):

Signature: _____

Print Name

For All Applicants

Exec. Director, SFU International:

Signature: _____

Print Names

Only if NOT using an SFU agreement template
General Counsel:

Signature: _____

Print Name

MEMORANDUM OF UNDERSTANDING

BETWEEN:

SIMON FRASER UNIVERSITY 8888 University Drive, Burnaby,
BC, Canada, V5A 1S6

AND:

**NATIONAL MUSEUMS OF KENYA – INSTITUTE OF PRIMATE
RESEARCH**, P.O. BOX 24481 – 00502, Nairobi, Kenya (hereinafter
referred to as NMK-IPR)

WHEREAS:

- A. The parties share a common interest in many academic and educational fields; and
- B. In order to promote future institutional cooperation, the parties wish to enter into this Memorandum of Understanding (“MOU”).

NOW THEREFORE, the parties agree as follows:

1. **Objective.** The objective of this MOU is to outline the possible ways in which NMK-IPR and Simon Fraser University could develop and carry out collaborative activities.
2. **Scope of Activities.** The scope of collaboration on research and capacity-building activities under this MOU may include, but is not limited to the following:
 - (a) Collaboration between Simon Fraser University’s Centre for Sustainable Development and the NMK-IPR Conservation Biology Department (CBD), to promote collaborative research and action for capacity-building on locally identified sustainable development issues;
 - (b) exchange of scholarly publications and information;
 - (c) exchange of faculty, staff, and students;
 - (d) development of study abroad opportunities (i.e., field schools);
 - (e) development of collaborative research programs or projects of mutual interest;
 - (f) co-sponsorship of symposia, seminars and conferences;
 - (g) cooperation in the development of education generally, including the potential for offering joint capacity-building programs; and
 - (h) pursuit of consulting and project opportunities.
3. **Not Legally Binding.** This MOU is not intended to be and is not to be construed as a legally binding agreement. Signing of this MOU does not result in any material, financial or other obligation for either of the parties hereto. By signing this MOU, the parties are signifying their desire for future collaboration. Specific initiatives may be considered and agreed upon, on a case by case basis, including the contributions and obligations of each institution. Subsidiary agreements may be signed as required.

4. **Term.** This MOU will be valid for a period of 5 (five) years from the date this Agreement is signed by the last party to sign it (as indicated by the date associated with that party's signature). This MOU may be extended or amended with the written agreement of both parties and may be terminated by either party with 6 (six) months' written notice to the other party. Any notice of termination should be addressed as follows:

if to Simon Fraser University,

Attention:

Director, International Partnerships and Protocol
SFU International, External Relations
Strand Hall 2100, Simon Fraser University
8888 University Drive, Burnaby, B.C. Canada V5A 1S6

if to National Museums of Kenya

Attention:

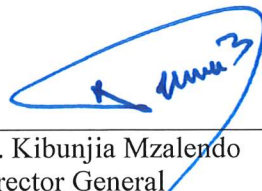
Director General
National Museums of Kenya
Museums Hill
P.O Box 40658-00100
Nairobi, Kenya

5. **Counterparts.** This MOU may be executed in any number of counterparts with the same effect as if all parties had all signed the same document. All counterparts will be construed together and will constitute one and the same agreement.
6. **Electronic Transmission.** This MOU or any counterpart may be executed by a party and delivered by facsimile or electronically in portable document format (pdf) and if so executed and delivered this MOU or such counterpart will for all purposes be as effective as if the party had executed and delivered the MOU or a counterpart bearing an original signature.

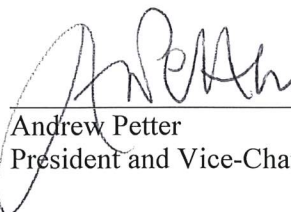
Each party is signing this Agreement on the date stated opposite that party's signature.

NATIONAL MUSUEMS OF KENYA

SIMON FRASER UNIVERSITY



Dr. Kibunjia Mzalendo
Director General



Andrew Petter
President and Vice-Chancellor

Feb 5, 2019

Date

Jan 17, 2019

Date

June 26, 2020

Institute of Primate Research
National Museums of Kenya
P.O. Box 24482-00502, Nairobi, Kenya. Tel: +254 20 882571-4

RE: Letter of Support for “*Changing Food Systems and Impacts on Traditional Food Production and Contributions to Food Insecurity in Kibwezi Region in Makueni County, Kenya*”

Dear Dr. Stan Kivai,

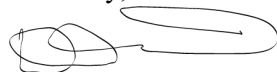
Simon Fraser University (SFU) is pleased to support your partnership with Dr. Yildiz Atasoy (Director, Centre for Sustainable Development, SFU) for the International Development Research Centre (IDRC) project: *Changing Food Systems and Impacts on Traditional Food Production and Contributions to Food Insecurity in Kibwezi Region in Makueni County, Kenya*. The project supports SFU’s ongoing commitment to traditional research in food security and bettering the lives of those in Eastern Africa and low-to-middle income countries (LMICs), and supports a Memorandum of Understanding (MOU) signed with the National Museums of Kenya (NMK) in 2019.

LMICs in Eastern Africa, such as Kenya, face a growing problem in recent years with regards to severe hunger and poverty levels. In addition to these challenges, farmers in Kibwezi region of Kenya are also negatively impacted by the availability of arable land, which is predominantly rain-fed due to water scarcity for irrigation. Such practices have an adverse effect on crop production, livestock, and ultimately economic certainty. SFU’s role in the project will support research on better understanding how transitions in food systems and climate change have impacted on food production, human dietary patterns, affordability and availability of healthy foods. Dr. Atasoy will work with Dr. Kivai and NMK to provide guidance for research activities, which include interviews with small-scale farmers in Kibwezi region in Makueni County, comprehensive analyses of food production policies, and knowledge mobilization approaches.

The project supports SFU’s Strategic Research Plan (2016-2020), using inter-disciplinary and collaborative approaches to specifically address the following research priorities (noted in italics): addressing issues of food security in response to growing environmental challenges (*Addressing environmental concerns and creating a sustainable future support*), and gaining a better understanding of challenges faced by farmers in the region, and the impacts on their livelihoods (*Strengthening civil society by advancing justice, equity and social responsibility*).

SFU supports the goals and objectives of the project, and supports the ongoing partnership with NMK. We are pleased to submit this *Letter of Support*, and look forward to a successful outcome.

Sincerely,



Dugan O’Neil, PhD
Associate Vice-President, Research
Professor of Physics



Internal use
1101861

Application for a Grant

Identification This page will be made available to selection committee members and external assessors.		
Funding opportunity Partnership Engage Grants		
Type of partnership Existing		
Grant type Individual		
Application title The Effects of Wildlife Conservation Efforts on the Food and Livelihood Security Concerns of Farmers in the Kibwezi Region of Kenya		
Applicant family name Atasoy	Applicant given name Yildiz	Initials YA
Org. code 1590611	Full name of applicant's organization and department Simon Fraser University Sociology and Anthropology	
Org. code 1590611	Full name of administrative organization and department Simon Fraser University Centre for Sustainable Development	
Is this a research-creation project? Yes <input type="radio"/> No <input checked="" type="radio"/>		
Does your proposal involve Indigenous Research as defined by SSHRC? Yes <input type="radio"/> No <input checked="" type="radio"/>		
Does your proposal involve human beings as research subjects? If "Yes", consult the <i>Tri-Council Policy Statement: Ethical Conduct for Research Involving Humans</i> and submit your proposal to your organization's Research Ethics Board. Yes <input checked="" type="radio"/> No <input type="radio"/>		
Does any phase of the proposed research or research-related activity:		
A. Constitute a physical activity carried out on federal lands in Canada, as defined in sub-section 2(1), in relation to a physical work and that is not a designated project;		Yes <input type="radio"/> No <input checked="" type="radio"/>
B. Constitute a physical activity carried out outside of Canada in relation to a physical work and that is not a designated project;		Yes <input type="radio"/> No <input checked="" type="radio"/>
C. (i) Permit a designated project (listed in the CEEA 2012 Regulations Designating Physical Activities (RDPA)) to be carried out in whole or in part;		Yes <input type="radio"/> No <input checked="" type="radio"/>
C. (ii) Depend on a designated project (listed in the RDPA) that is, or will be, carried out by a third party?		Yes <input type="radio"/> No <input checked="" type="radio"/>
Total funds requested from SSHRC		
Year 1		Total
24,999		24,999



Activity Details

The information provided in this section refers to your research proposal.

Keywords

List keywords that best describe your proposed research or research activity. Separate keywords with a semicolon.

Wildlife Conservation; Global Conservation Policies, Customary Farming Practices; Changes in Rural Livelihoods; Land Use and Land Access; Green Militarization; Political Ecology; Political Economy of Food; UNREDD+

Partnership Approaches

One or more possible formal partnership approaches.

Disciplinary and interdisciplinary research partnerships

If "Other", specify

Disciplines - Indicate and rank up to 5 disciplines that best correspond to your proposal.

Rank	Code	Discipline	If "Other", specify
1	63499	Other Sociology	Global Agrifood Systems
2	61806	Land Use Geography	
3	61899	Other Geography	Changes in Rural Livelihoods
4	61499	Other Environmental Studies	Political Ecology
5	62812	Political Economy	

Areas of Research

Indicate and rank up to 3 areas of research related to your proposal.

Rank	Code	Area
1	180	Environment and Sustainability
2	102	Agriculture
3	330	Poverty

Temporal Periods

If applicable, indicate up to 2 historical periods covered by your proposal.

From	To
<div>Year 2020 _____ _____</div> <div>BC <input type="radio"/></div> <div>AD <input checked="" type="radio"/> <input type="radio"/></div>	<div>Year 2021 _____ _____</div> <div>BC <input type="radio"/></div> <div>AD <input checked="" type="radio"/> <input type="radio"/></div>



Family name, Given name
Atasoy, Yildiz

Activity Details (cont'd)

Geographical Regions

If applicable, indicate and rank up to 3 geographical regions covered by or related to your proposal. Duplicate entries are not permitted.

Rank	Code	Region
1	5300	Eastern Africa
2		
3		

Countries

If applicable, indicate and rank up to 5 countries covered by or related to your proposal. Duplicate entries are not permitted.

Rank	Code	Country	Prov./ State
1	5305	KENYA	
2			
3			
4			
5			



Family name, Given name

Atasoy, Yildiz

Summary of Proposal

The summary of your research proposal should indicate clearly the problem or issue to be addressed, the potential contribution of the research both in terms of the advancement of knowledge and of the wider social benefit, etc.

The Chyulu Hills National Park, in the Kibwezi region of Kenya, is a biodiversity-rich park and home to the largest elephant population in East Africa. The Kamba people are Indigenous to the region and their subsistence depends on small-scale rain-fed farming, supplemented by accessing forest resources (e.g. bushmeat, woody plants for carving, and edible and medicinal plants for commercial sale). However, conservation policies adopted and implemented by Kenyan governments since colonial times have restricted Kamba farmers' access to forest lands through forceful evictions, which in turn has led to increased landlessness, poverty and squatting in the region. Since 2014, Kenya has integrated its wildlife conservation into the United Nations REDD+ programme, which offers a framework for market-based climate-change mitigation and wildlife protection policies to be carried out by private-public partnerships. These policies are frequently implemented through what we call a 'green militarization power structure', which encloses an area for the protection of elephants and prevents humans from their customary land access and use rights. Kamba farmers who are displaced from lands are vulnerable to livelihood uncertainties, particularly under climate-change induced extreme weather events such as drought. The Kibwezi region is thus a site for contested power relations between conservation organizations and Indigenous farming communities, and between Kamba farmers and elephants.

The goal of this study is to conduct an interdisciplinary analysis of wildlife conservation and its effects on the livelihoods of Kamba farmers in the Kibwezi region of Kenya. Specific research objectives are: 1- Mapping organizational ties by gathering data from publicly available documents on key global, national and local wildlife conservation organizations involved in the region. This will facilitate the tracing of global-local networks of influence and collaboration in generating knowledge and policy ideas that inform local conservation practices; 2- Tracking farmers' own position to explore their perspectives, descriptions and interpretations of the effects of conservation policies on farming and other off-farm economic activities, as well as to uncover farmers' responses to their livelihood concerns by collecting data through interviews with individual farmers.

This proposed research involves an interdisciplinary partnership with the National Museums of Kenya (NMK), a multi-disciplinary research institution whose mission is to aid in conservation practices and preserve Kenya and the East African cultural and natural heritage. NMK and Simon Fraser University (SFU), collaborating as a research team, will collect, share and analyse data. NMK will gather data for the mapping of organizational ties and assist to locate and access local farmers. SFU will gather data on tracking farmers' position. We will co-produce new knowledge and research tools on our research topic and co-author papers for presentation and publication.

This study has the potential to contribute significant empirical knowledge and theoretical insight into the relationship between wildlife conservation and livelihood concerns of local farming communities in the Kenyan context and beyond. Power inequalities are central to conservation policies, displacement of farming communities, and impacts on livelihood. This project will underscore the political economy of food and the political ecology behind wildlife conservation and associated interest structures. It will also raise questions for debate on the embeddedness of ecosystem conservation in locally diverse knowledge systems, innovations, and ecologically suitable farming practices.



Family name, Given name

Atasoy, Yildiz

Participants

List names of your team members (co-applicants and collaborators) who will take part in the intellectual direction of the research. Do not include assistants, students or consultants.

Role Co-applicant <input type="radio"/> Collaborator <input type="radio"/>		Academic <input type="radio"/> Non-academic <input type="radio"/>	
Family name		Given name	Initials
Org. code	Full organization name		
Department/Division name			

Role Co-applicant <input type="radio"/> Collaborator <input type="radio"/>		Academic <input type="radio"/> Non-academic <input type="radio"/>	
Family name		Given name	Initials
Org. code	Full organization name		
Department/Division name			

Role Co-applicant <input type="radio"/> Collaborator <input type="radio"/>		Academic <input type="radio"/> Non-academic <input type="radio"/>	
Family name		Given name	Initials
Org. code	Full organization name		
Department/Division name			

Role Co-applicant <input type="radio"/> Collaborator <input type="radio"/>		Academic <input type="radio"/> Non-academic <input type="radio"/>	
Family name		Given name	Initials
Org. code	Full organization name		
Department/Division name			

Role Co-applicant <input type="radio"/> Collaborator <input type="radio"/>		Academic <input type="radio"/> Non-academic <input type="radio"/>	
Family name		Given name	Initials
Org. code	Full organization name		
Department/Division name			

Personal information will be stored in the Personal Information Bank for the appropriate program.

Application WEB



Family name, Given name

Atasoy, Yildiz

Partner Organizations

- A partner organization may be, for example, a Canadian or foreign: postsecondary institution, government department (federal, provincial, territorial, municipal), for-profit or not-for-profit organization, or foundation.

Org. code	Full organization name Institute of Primate Research, National Museums of Kenya			Organization type Research organization				
Address P.O Box 24481-00502, Nairobi, Kenya				Contact family name Kivai				
				Given name Stanislaus		Initials SK		
				Country code	Area code	Number	Extension	
				Telephone number	254	020	3882571-4	143
Country KENYA				Secondary number		254	020	721470420
				Fax number		254	020	3882546
E-mail stankivai@gmail.com								
Web address www.primateresearch.org OR www.museums.or.ke								
Org. code	Full organization name			Organization type				
Address				Contact family name				
				Given name		Initials		
				Country code	Area code	Number	Extension	
				Telephone number				
City/Municipality		Prov./State	Postal/Zip code	Secondary number				
Country				Fax number				
E-mail								
Web address								
Org. code	Full organization name			Organization type				
Address				Contact family name				
				Given name		Initials		
				Country code	Area code	Number	Extension	
				Telephone number				
City/Municipality		Prov./State	Postal/Zip code	Secondary number				
Country				Fax number				
E-mail								
Web address								

Goals and Objectives: In partnership with the National Museums of Kenya (NMK), our *goal* is to conduct an interdisciplinary analysis of wildlife conservation and its effects on the livelihoods of Kamba farmers in the Kibwezi region of Kenya. Rural livelihoods consist of a diverse array of farming and other off-farm economic activities. The question of if/how global wildlife conservation organizations influence local conservation policy making and practices is not well-documented, and their effects on livelihood concerns of local communities are not well understood. This partnership seeks to address this challenge by creating new knowledge on the activities of these organizations and their network of influence at the local community level of Kamba farmers in the Kibwezi region. Specific *objectives* are: 1- Mapping organizational ties by gathering data on key global, national and local wildlife conservation organizations involved in the region in order to trace the global-local networks of influence and collaboration in generating knowledge and policy ideas; 2- Tracking farmers' own position to explore their perspectives, descriptions and interpretations of the effects of conservation policies on farming practices and other off-farm economic activities. The Kibwezi region is a key area of interest for NMK in fulfilling its organizational mission in wildlife protection, human-wildlife conflict resolution, and capacity-building for local communities in conservation. This partnership has the potential to contribute significant empirical knowledge and theoretical insight on the relationship between wildlife conservation and livelihood concerns of farming communities. It will enable NMK to strengthen its capacity to fulfil its organizational mission and gain new expertise and research skills in community-engaged research on sustainable livelihoods. As partners, we will share and analyse our data to co-produce new knowledge on wildlife conservation and its effects on farm and non-farm livelihood concerns of local farmers.

Literature Review and Conceptual Framework: An analysis of the relationship between wildlife conservation and livelihood concerns of farming communities requires an **interdisciplinary approach**. We locate our research within a political economy of food and political ecology perspective. The political economy of food focuses on how power relations and inequalities change over time and affect food system actors, especially those who are relatively powerless due to such factors as ethnicity, indigeneity, gender, and social class, and consequently cannot exercise their right to access land and its natural resources and participate in decision-making about food relationships (De Schutter 2019; Friedmann and McMichael 1989; Harris and Nisbett 2018; McMichael 2005). Political ecology combines the study of ecological systems, climate change and human-nature interactions with an analysis of social and political relations, placing political power inequities at the centre of its analysis (Gliessman, Friedmann and Howard 2019; Gliessman 2016; Mann 2009; Patel and Goodman 2020; Robbins 2012).

Conservation practices are complex in the Kibwezi region and our **conceptual framework** will look through four major lenses to observe Kamba farmers' farm and non-farm livelihood strategies. The first is the green militarization power structure. It refers to conservation practices which rely on the use of military and paramilitary personnel, armed rangers, air/land surveillance technologies, intimidation tactics, and 'shoot-to-kill' anti-poaching policies (Büscher and Ramutsindela 2016; Duffy et al. 2019; Lunstrum 2014; Mogomotsi and Madigele 2017; Neumann, 2004; Peluso and Vandergeest 2011). We argue that these strategies, which are frequently used in the region, undermine Kamba farmers' customary farming and other off-farm forestry-based livelihood practices. As farming can rarely sustain the livelihood of rural households, farmers often engage in non-farm economic activities to secure a livelihood (Bernstein et al. 1992; Scoones 2015). For subsistence, Kamba farmers grow maize, sorghum, millet, beans, and pigeon peas. They also rear livestock for milk and meat. For non-farm income generation, they rely on forest resources for bushmeat hunting and charcoal and wood carving through the illegal felling of woody plants, and by illegally gathering and selling the leaves of *Catha edulis*, used as a stimulant in nearby towns (Beentje 1994; Carrier 2007). Research shows that green militarization criminalizes farmers' access to forest resources needed to supplement livelihoods (Cavanaugh et al. 2015; Kamau and Sluyter 2018) and, therefore, intensifies tensions between farmers and conservationists (Brosius et al. 2005; Duffy et al. 2019). An analysis of green militarization and its power structures will

enable us to see how farmers understand the power relations and activities and policy-making positions of conservation organizations that undermine their off-farm livelihood-generation activities.

Our second lens examines changes in land access and land use relations. The Kamba are Indigenous people of Kenya and have traditional land rights to areas that have been restricted for wildlife protection by governments and conservation organizations since colonial times. The creation of the Tsavo and Chyulu Hills national parks was accompanied by a violent history of displacement of Indigenous populations, power inequalities, land scarcity, landlessness, and poverty in the Kibwezi region (Okello and Tome 2007; Rocheleau et al. 1995; Tiffen et al. 1994). The British colonial administration has utilized anti-poaching squads and military suppression techniques to displace Kamba from the Chyulu Hills since the 1920s, and particularly during the founding of Tsavo National Park in 1948 (Schauer 2015; Kamau and Sluyter 2018). After independence in 1963, the Kenyan government re-opened Chyulu Hills to resettlement as part of its land redistribution policy (Muriuki 2016). The policy was later reversed with the establishment of Chyulu Hills National Park in 1983, which was followed by a series of conservation-led evictions (Kamau and Sluyter 2018; Mahoney 2018). We will examine changes in land use and access practices, Kamba evictions from the land, effects on farming and off-farm livelihood strategies, and the Kamba response to these evictions. Our analysis of land-access and land-use will enable us to see whether these evictions are resulting from long-term land concessions given by the Kenyan government to conservation trusts. We will explore how these concessions work in terms of leasing and sale of lands, and what the outcomes are for farmers. We argue that a cycle of displacement by militarized evictions of farmers from protected lands and farmers' creation of arable lands by felling and burning in Chyulu Hills defines ongoing tensions over land access and land use rights.

Our third lens investigates conservation policies created in 2008 by the United Nations (UN) Programme on Reducing Emissions from Deforestation and Forest Degradation (UN-REDD+), a forest-based climate change mitigation approach for developing countries. REDD+ provides guidance for conservation policies and capacity building for the protection of wildlife and forests, offering market-based solutions to climate change (e.g., carbon credits) which are often carried out by private-public partnerships (Büscher and Fletcher 2015). In 2014, REDD+ was integrated into conservation efforts by the Chyulu Hills Conservation Trust. The REDD+ programme implementation in the Kibwezi region included the building of a 75-kilometre electrical fence between Chyulu Hills National Park and the Kibwezi region (SWT 2020). The Sheldrick Wildlife Trust built the fence in 2019 with the intention of restricting human access to forests for the purpose of settlement, poaching, slash and burn agriculture, tree cutting, and small bushmeat hunting (Kamau and Sluyter 2018). Tsavo National Park remains unfenced; its boundary is demarcated by beacon posts to facilitate the fluidity of wildlife movement (including elephants), while humans are expected to adhere to the unfenced boundary (Tsavo Trust 2019). Research indicates that boundary demarcations create an enclosure system that displaces farmers from the forests and reinforces the idea that the forests are protected spaces for wildlife (Kamau and Sluyter 2018). While some farmers may benefit from conservation efforts through off-farm employment and income generation, others may not. There is evidence to suggest that some farmers have evaded the conservation policy and entered protected areas by digging under or climbing over the fence, and by using non-conductible objects between the wires to avoid electrocution (Mahoney et al. 2018). There is also evidence that farmers set fires from time-to-time in the Chyulu Hills National park to protest and draw attention to their plight (Muriuki 2016). Drawing on our interdisciplinary conceptual framework, we will investigate whether the REDD+ programme is an example of green militarization which excludes farmers from accessing resources, whether conservation *via* fencing disrupts the traditional migratory routes of elephants and cause elephants to enter into farmlands, how the Kamba farmers continue with farming in the area, and what sorts of new strategies they develop to sustain their off-farm livelihood while separated from forest lands. The mapping of organizational ties will enable us to see whether and how the power structure of the private-public partnership of the Chyulu Hills Conservation Trust and its policy integration into REDD+ contribute to loss of rural livelihoods in the region.

Our fourth lens is farming. Research shows that Kamba households experience poverty and food insecurity (Bell 1984; Kamau 2017; Kamau and Sluyter 2018; Kassilly and Tsingalia 2008). Through interview-based data gathering, this lens enables us to investigate how farmers who are increasingly displaced from their traditional land use and access rights respond to livelihood insecurities. It will help us to see whether possible disruptions in the migratory routes of elephants have generated adverse effects on Kamba subsistence farming practices, pushing them into greater poverty and food insecurity. We need to see to what extent Kamba food insecurity is related to the destruction of crops and farmlands by elephants when the park-farmlands boundary fence impedes their seasonal migratory route. An investigation into farming will allow us to explore how farmers provide for their food needs in the Kibwezi region, and how they respond to crop damage and losses caused by elephants migrating between the parks. This lens will provide the means to understand how farmers develop new livelihood strategies from farming and other non-farm economic activities if their ability to continue with customary practices is increasingly diminished. Our research should help us to determine if and how food-insecure farmers view wildlife and its protection as the cause of their livelihood uncertainties. Moreover, this lens will examine whether farmers envisage distinct pathways for more autonomous livelihood generation and for culturally and ecologically suitable farming practices. We will explore the involvement of traditional women's farming groups known as *Mwethya* and community-based wildlife conservation activities to understand how local farming groups and conservation actors respond to social-ecological-livelihood impacts of changes in rural livelihoods under conservation.

Methods: This project will address our two objectives by gathering data on organizational ties and networks of influence from publicly available documents, and by collecting data on farmers' accounts and perspectives through interviews conducted with individual farmers. We will use a combination of contextual document analysis of archival data, and narrative-based analysis of interviews.

Objective 1- Mapping organizational ties (October 2020 - February 2021). We will map the political, financial and social organizational ties among the key global, national and local conservation organizations active in the Kibwezi region of Kenya. The number of these organizations could be large, possibly reaching several hundred of different size and scale of operation, including government agencies, international organizations, private local and global conservation groups. We will identify global conservation organizations that have ties with the Chyulu Hills Conservation Trust. The Chyulu Hills Conservation Trust was founded in 1983 when the Chyulu Hills National Park was created. It is a private-public partnership among eight organizations responsible for conservation policy development and implementation in the park. It has been integrated into the UN-REDD+ framework in 2014. Based on previous research contacts and personal connections with the Chyulu Hills Conservation Trust member organizations, our project team members Dr. Stan Kivai, the Head of the Conservation Biology Department-NMK, and Dr. Nancy Moinde, a postdoctoral fellow at SFU who is recruited from the NMK, will identify those globally active organizations with ties to the trust. Initially, we will use the *Yearbook of International Organizations* (2019-2020) to gather data on the global conservation organizations active in the Kibwezi region, their memberships, ongoing global projects, geographical reach, and other relevant information including financial ties, fundraising activities, and sources of funding. When information is not available through the *Yearbook of International Organizations*, Dr. Kivai and Dr. Moinde will trace the activities and connections of organizations within our selected group *via* their personal contacts and communication with known leading members. This mapping of networks will enable us to see how ideas and projects are framed by reference to UN-REDD+ and other global projects, and how they are forged to be implemented in the Kibwezi region. Here, our aim is to reveal the global-local networks of connection within which conservation-related knowledge, visions and strategies are generated in informing local practices. In addition to the *Yearbook of International Organizations*, we will collect data from the publicly available documents published by global organizations with ties to the Chyulu Hills Conservation Trust. These documents include annual activity reports, policy papers, various public outreach programmes, as well as planning documents. We will access these documents

via internet websites and through email and personal contacts. We will trace possible areas of collaboration between Chyulu Hills Conservation Trust members and globally involved organizations. Areas of collaboration among these conservation organizations may include: co-management of parks, land access through government leasing or sale, wildlife rehabilitation programs, fund-raising activities, ecotourism and other employment-creation opportunities, community outreach educational programmes, and human-elephant conflict resolution programmes. This method stream will allow us to explore the organizational structural links and networks of influence through which global knowledge reaches local conservation practices. Dr. Kivai and Dr. Moinde will also trace community conservation groups and explore if and how their practices diverge from REDD+ advocated ideas. We will develop infographics for visual presentation of these links and networks.

Objective 2- Tracking farmers' position (May - June 2021). We will track farmers' interpretation and contestation of, and participation in, these policies. We will classify core features of their challenges in accessing protected lands and natural resources and uncover farmers' responses to their food insecurity and livelihood concerns. We will conduct in-depth semi-structured and open-ended interviews with 30 farmers. Since this is exploratory research intended to explore farmers' own viewpoints, this is a reasonable number of interviews to conduct over an eight-week timeframe. Our interview sites are the villages adjacent to the Chyulu Hills-Kibwezi electric fence-line (10 people), across the Tsavo park-Kibwezi unfenced boundary (10 people), and within the central localities of the Kibwezi region (10 people). Elephant movement patterns are different along these localities. Because we are interested in whether the REDD+ programme supports green militarization and fencing of the protected areas, interviews will provide us with comparative accounts of farmers' perspectives in different localities of elephant movement in relation to: 1- wildlife conservation management strategies and human-wildlife conflict mitigation initiatives; 2- general effects of wildlife conservation on farmers' farming practices, access to forest resources for subsistence (including bushmeat hunting), and general livelihood concerns; 3- specific disruptions and conflicts caused by the electrified fence and other forms of boundary demarcation in terms of crop damage and livestock depredation, as well as human injury or mortality; and 4- farmers' responses that may range from participation in conservation programs to organized and spontaneous resistance against green militarization.

The in-depth interviews will deepen our understanding of how various conservation practices including green militarization can be understood and interpreted differently by different groups of farmers living in different locations. As women are significant players in subsistence farming and in *Mwethya* groups, we aim to have equal gender representation in our sample. We may face a challenge in locating and recruiting farmers who participate in conservation and resistance. However, as these farmers live around villages separated from conservation areas through fenced and unfenced boundaries, our access to research informants should be easier. Dr. Stan Kivai and Dr. Nancy Moinde will approach and locate key informants from their previous workshop and research in the Kibwezi region (i.e. Kivai, Musila, Moinde et al. 2018; Mwangi, Akinyi, Maloba et al. 2016; Mahoney, Kivai and Moinde, 2018), and utilize snowball sampling to gain access to other farmers in our research area. We will not conduct interviews with people in the national park where bushmeat hunting may lead to life-threatening incidents, nor will we interview poachers who are more commonly targeted by conservation officials. Interview data will be collected by myself and Dr. Nancy Moinde. Dr. Moinde's participation in the interviews is crucial in assisting me with translation in Kamba and Swahili (Dr. Moinde is fluent in both languages), and in providing local knowledge for the logistics of planning. We will also travel together in the region. We will assure our informants of confidentiality that their individual accounts will be accessible for analysis only by myself and Dr. Moinde. We will use pseudonyms rather than the actual names of our respondents, and our data will not be shared with any other person or authorities. As we will conduct in-depth, open-ended, face-to-face interviews, we will prepare only a small number of open-ended questions to guide the interviews. Open-ended questions will enable us to collect data on farmers' own accounts of wildlife conservation in the area and changes in their livelihoods. Questions

will be prepared in April 2021, prior to the beginning of interviews in May. Data collected for the mapping of organizational ties will also guide us in preparing our interview questions. Interviews will last between 45 minutes to an hour. A narrative analysis will be used to explore the similarities and differences in farmers' narratives. This is an approach which I use in my own research and is also well-developed by leading scholars such as Dorothy Smith (1987; 1990).

Knowledge Mobilization: Based on the findings of this research, team members, including students, will co-author four papers (the first two will be written in March and April 2021, based on the mapping of organizational ties; and the other two will be written in August and September 2021, based on interviews) for presentation at four different conferences in Kenya, England and North America in late 2021 and 2022; the papers will be submitted for publication in 2022. One of these conferences will be held in Kenya. We will disseminate a briefing paper in August 2021 that summarizes the study to the Kenyan government and its key conservation organizations, including the Kenya Wildlife Services. We will organize one workshop at NMK in August 2021 to share our research findings and discuss possibilities for larger scale collaborative projects with NMK, Kenya Wildlife Services, and local farming communities including women's farming groups traditionally known as *Mwethya*, as well as community conservancy groups active in the Kibwezi region. We will utilize the already existing websites of the NMK and the Centre for Sustainable Development at SFU to publish infographics on our mapping of organizational ties and networks of influence.

Relevance to Partner Organization: This proposed research project is the first collaborative work to be developed based on the partnership between SFU and NMK – established through an MOU signed in early 2019. It will guide large-scale future collaborative projects for empirical and theoretical knowledge generation in ecosystem resilience and capacity building for farmers. As part of the MOU, SFU's Centre for Sustainable Development has recruited Dr. Nancy Moinde as a post-doctoral fellow from the NMK. Dr. Stan Kivai and Dr. Moinde will be responsible for the mapping of organizational ties, networks of influence, and tracing the activities of women in *Mwethyas* and community conservation actors. They will also help to determine our interview sites and access to informants through their previous research contacts, and to provide other logistical support. Dr. Moinde will work with me to conduct interviews with farmers. Dr. Kivai will assist in securing the research permit required to conduct research in this conservation area. NMK and SFU will both benefit from participation in this project. It will enable us to develop an interdisciplinary approach that engages Biology through Dr. Kivai, Anthropology through Dr. Moinde, and Sociology through myself, to the study of wildlife conservation, human-animal relations, and rural livelihoods. This approach will support a larger Partnership Grant in the near future and contribute to the co-creation of new knowledge and research tools. NMK has conducted several research projects in the region on climate change, biodiversity protection and animal-human conflicts. Our partnership in this project will enhance NMK's capacity to coordinate and conduct community-engaged research in sustainable livelihoods for farmers and strengthen its research skills on the mapping of conservation organizations. We aim to establish a lasting partnership toward longer term collaborations. We will collaborate in this project as a research team; each member of the team, including our MA students, will provide input into the project. Decision making will be based on collaborative discussion and will be as transparent as possible.

Training: This project will create interdisciplinary training opportunities for two MA students: one from SFU (funds requested) and one from NMK (funds not requested). They will be hired in September 2020. I will hire the SFU-based student; Dr. Kivai will hire the NMK-based student. We will mentor them in literature review, collection and analysis of publicly available data, infographics development, research management, and career planning. The project will enable students to participate in international projects, provide input, and benefit from the interdisciplinary expertise of project partners. We intend to involve them in a future partnership grant application. This project also provides an excellent learning and collaboration opportunity for our postdoctoral fellow to enhance her community-engaged research skills.

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Family name, Given name

Atasoy, Yildiz

Funds Requested from SSHRC

Estimate as accurately as possible the research costs that you are asking SSHRC to fund through a grant. For each Personnel costs category, enter the number of individuals to be hired and specify the total amount required. For each of the other categories, enter the total amount required.

Personnel costs	Year 1	
	No.	Amount
Student salaries and benefits/Stipends		
Undergraduate		
Masters	1	6,720
Doctorate		
Non-student salaries and benefits/Stipends		
Postdoctoral		
Other		
Travel and subsistence costs		
Applicant/Team member(s)		
Canadian travel		
Foreign travel		17,789
Students		
Canadian travel		
Foreign travel		
Other expenses		
Professional/Technical services		
Supplies		
Non-disposable equipment		
Computer hardware		
Other		70
Other expenses (specify)		
Informant compensation		420
Total		24,999

Budget Justification (\$24,999)

1. Student Salaries and Benefits/Stipends: \$6,720

Master's Student. We plan to hire one (1) Master's student to work part time to support the project. The Master's student will be under the supervision of Dr. Yıldız Atasoy (Applicant) at Simon Fraser University (SFU), provide input into decision making, collaborate in dissemination, and will conduct literature review, archival data collection, context analysis of publicly available documents, and infographics development (at SFU's rate of \$28.00 including 12% benefits/hr x 240 hours = \$6,720).

Travel and Subsistence Costs: \$17,789

1. Applicant and Team Members

Funds are requested to support the travel of Dr. Yıldız Atasoy (Applicant; SFU) from Vancouver, Canada to Nairobi, Kenya (round-trip), and Post-Doctoral Fellow, Dr. Nancy Moinde from Vancouver to Nairobi (round-trip). Support is also requested for travel expenses of Dr. Stan Kivai (NMK). **We are requesting \$14,324 to support the travel and subsistence expenses of the Applicant (Dr. Yıldız Atasoy) and the Team Members (Dr. Nancy Moinde and Dr. Kivai).**

Dr. Atasoy: International flight from Vancouver to Nairobi (round-trip), \$2,000; accommodations, \$2,400 [(hotel La Maison Royale in Nairobi (\$50 per day for 6 days = \$300) and Kambua Guess House in Kibwezi (\$50 per day for 42 days = \$2,100)]; per diem costs, \$3,024 (at SFU rate of \$63/person/day x 48 days). **Total is \$7,424.**

Dr. Moinde: International flight from Vancouver to Nairobi (round-trip), \$2,000; accommodations, \$2,100 (Kambua Guess House in Kibwezi (\$50 per day for 42 days = \$2,100); per diem costs, \$2,400 (Kenyan rate of \$50/person/day x 48 days). **Total is \$6,500.** Dr. Moinde will stay in her apartment in Nairobi.

Dr. Stan Kivai: Dr. Kivai's per diem costs will be compensated when he will travel to the Kibwezi region for eight days to conduct the project logistical planning and introduce Dr. Atasoy and Dr. Moinde to his contacts in the villages. Per diem costs, \$400 (Kenyan rate of \$50/person/day x 8 days). **Total is \$400.**

Given the dispersed nature of our interview sites, funds are also requested to support the rental of a vehicle to transport the research team from Nairobi to the Chyulu-Kibwezi region. **We are requesting \$3,465 to support local travel.**

Vehicle Rental: Hertz Rates for an automatic compact car, including taxes and surcharges \$64.62/day x 48 days (June – Aug; Atasoy/Moinde) = **\$3,102**

Total distance: Nairobi-Kibwezi, 500 km per return trip x 3 return trips = 1,500 km; within Kibwezi, 30 km x 42 days = 1,260 km (30 km refers to travels among three villages in the Kibwezi region); within Nairobi 40 km/day x 6 days = 240 km (Jun-Aug – Atasoy/Moinde). Total: 3,000 km

Fuel cost: Nairobi-Kibwezi; 3,000km/11liters per km x \$1.10 = \$363 = **\$363**

Other Expenses: \$490

1. Non-disposable equipment = \$70. We are requesting funds to purchase two voice recorders (\$25 x 2 = \$50), and 30 batteries (\$20) to record our interviews.

2. Compensation for Research Informants' Time: \$420. In recognition that informants are taking time out of their lives and livelihoods to contribute to the research, we will pay \$14 for each informant which is a regular rate in Kenya. This also reflects a common practice in Kenya for an interview-based research. (\$14 x 30 Informants = \$420).

Travel and Subsistence Costs for Dissemination:

We will present the study's findings at various conferences. To support the travel of the Applicant and Team members to attend the conferences, we will use internal funding sources from SFU and NMK (e.g., SFU Vice-President of Research Travel Grant, SFU Faculty of Graduate and Post-graduate Studies Travel Award, etc.).



Family name, Given name

Atasoy, Yildiz

Expected Outcomes

Elaborate on the potential benefits and/or outcomes of your proposed research and/or related activities.

Scholarly Benefits

Indicate and rank up to 3 scholarly benefits relevant to your proposal.

Rank	Benefit	If "Other", specify
1	Knowledge creation/intellectual outcomes	
2	Enhanced research collaboration	
3	Student training/skill development	

Social Benefits

Indicate and rank up to 3 social benefits relevant to your proposal.

Rank	Benefit	If "Other", specify
1	Enriched public discourse	
2	(Other) - Specify	address UN-Sustainable Development Goal
3	(Other) - Specify	ecologically sensitive farming

Audiences

Indicate and rank up to 5 potential target audiences relevant to your proposal.

Rank	Audience	If "Other", specify
1	NGO and community organizations	
2	(Other) - Specify	Local Kamba farming communities
3	International audiences	
4	Professional and/or scholarly associations	
5	Para-public institutions (museums, libraries, etc.)	



Family name, Given name

Atasoy, Yildiz

Expected Outcomes Summary

Describe the potential benefits/outcomes (e.g., evolution, effects, potential learning, implications) that could emerge from the proposed research and/or other partnership activities.

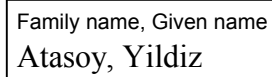
The partnership will generate new knowledge and outcomes on power structures of wildlife conservation, their network of influence, and effects on Kamba farmers' livelihood in the Kibwezi region of Kenya. These outcomes will benefit a number of end-users, including scholars, government agencies, conservation organizations, farmers and local communities in Kenya, Canada and abroad.

Scholarly Benefits:

1. Our partnership will produce an interdisciplinary mapping of the organizational ties between global, regional and local conservation organizations active in the region. It will also generate an in-depth understanding of the networks of influence among these organizations through a contextual document analysis. We will create data for public consumption (e.g., infographics), that will be published in the existing websites of the NMK and SFU. 2. We will organize one workshop at NMK in August 2021 to share our research findings and discuss possibilities for larger scale collaborative projects with NMK, Kenya Wildlife Services, and local farming communities including women's Mwethya farming groups, as well as community conservancy groups active in the Kibwezi region. 3. We will write a briefing paper in August 2021 that summarizes our research findings to the Kenyan government and its key conservation organizations. 4. Based on our research findings, we will co-author four papers to be presented at four different conferences in Kenya, England and North America in late 2021 and 2022. We will revise and submit these papers to journals for publication in 2022. 5. A long-lasting benefit of this partnership is the mentoring and interdisciplinary training of two MA students at SFU and NMK. The partnership will support the training of these students through hands-on research (literature review, collection of publicly available data, infographics development, and research management) and for future community-engaged collaborative research and career planning in sustainable rural development. The students will participate in the co-authoring of our four papers for presentation and publication. This project also provides an excellent learning and collaboration opportunity for our postdoctoral fellow to enhance her community-engaged research skills and dissemination.


Social Benefits:

1. Through in-depth, open-ended interviews, we will bring forth the perspectives of Kamba farmers on the effects of globally advocated conservancy programs on their livelihoods. Our study which explores the effects of wildlife conservation on local farming communities will help problematize globally advocated wildlife conservation policies. This problematization has important policy consequences for the UN Framework Convention on Climate Change. While these policies aim to mitigate climate change, protect wildlife biodiversity, and generate economic benefits from carbon credits and wildlife tourism, local farming communities are frequently subject to evictions from lands and prevented from accessing land resources. These evictions and the dispossession of farmers undermine UN sustainable development goals. 2. Our research partnership will also bring to the fore farmers' own locally distinct pathways for a more autonomous livelihood, and culturally and ecologically sensitive farming practices. This is an important area that will help us envision how farmers' own knowledge systems and customary practices can be reconnected to the emergence of ecologically sensitive farming ways that respect other species. This area can be further studied through collaborative research projects that we hope to explore at the workshop in August 2021. Such future projects that involve local communities will also help address the UN Sustainable Development 2030 Agenda.



You must include all other sources of funding for the proposed research. Indicate whether these funds have been confirmed or not.

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Family name, Given name

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Contributions from Partner Organizations

A partner is an organization that participates actively in a formal partnership and contributes in a meaningful way to the success of the endeavour.

	Cash	In-kind
Confirmed	0	12,066
Unconfirmed	0	5,600
Total of all partner organizations' contributions	0	17,666
A. Total of all partner organizations' contributions (cash + in-kind)		17,666
B. Total funds from other sources		3,500
C. Total funds requested from SSHRC		24,999
Total cost of project (A + B + C)		46,165



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Internal use	CID (if known)
957720	77459

Identification

Only the information in the Name section will be made available to selection committee members and external assessors. Citizenship and Statistical and Administrative Information will be used by SSHRC for administrative and statistical purposes only. Filling out the statistical and Administrative Information section is optional.

Name

Family name	Given name	Initials
Atasoy	Yildiz	YA

Citizenship - Applicants and co-applicants must indicate their citizenship status by checking and answering the applicable questions.

Citizenship status	<input checked="" type="radio"/> Canadian	<input type="radio"/> Permanent resident since (yyyy/mm/dd)	<input type="radio"/> Other (country)	Have you applied for permanent residency?
				<input type="radio"/> Yes <input type="radio"/> No

Statistical and Administrative Information

Permanent postal code in Canada (i.e. K2P1G4)	Correspondence language	Previous contact with SSHRC? (i.e. applicant, assessor, etc.)
V5V4T6	<input checked="" type="radio"/> English <input type="radio"/> French	<input checked="" type="radio"/> Yes <input type="radio"/> No

Full name used during previous contact, if different from above

Contact Information

The following information will help us to contact you more rapidly. Secondary information will not be released by SSHRC without your express consent.

Primary telephone number				Secondary telephone number			
Country code	Area code	Number	Extension	Country code	Area code	Number	Extension
1	604	742 0956		1	604	404 3635	
Primary fax number				Secondary fax number			
Country code	Area code	Number	Extension	Country code	Area code	Number	Extension
1	778	782 5799					
Primary E-mail yatasoy@sfu.ca							
Secondary E-mail							

Checked

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2020/06/10

Canada

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Identification

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Family name, Given name

Atasoy, Yildiz

Current Address Use only if you are not affiliated with a department at a Canadian university. (If you are affiliated with a department at a Canadian university, the department's mailing address will be used.) If you wish to use another address, specify it under the Correspondence Address.			Correspondence Address Complete this section if you wish your correspondence to be sent to an address other than your current address.		
Address			Address		
			Department of Sociology and Anthropology		
			Simon Fraser University		
			8888 University Drive		
City/Municipality	Prov. / State	Postal/Zip code	City/Municipality	Prov. / State	Postal/Zip code
			Burnaby	BC	V5A1S6
Country CANADA			Country CANADA		
Temporary Address If providing a temporary address, phone number and/or E-mail, ensure that you enter the effective dates.			Permanent Address in CANADA		
Address			Address		
			4308 Ross St		
City/Municipality	Prov. / State	Postal/Zip code	City/Municipality	Prov. / State	Postal/Zip code
			Vancouver	BC	V5V4T6
Country			Country CANADA		
Start date (yyyy/mm/dd)	End date (yyyy/mm/dd)	Temporary telephone/fax number			
		Country code	Area code	Number	Extension
Temporary E-mail					



Family name, Given name

Atasoy, Yildiz

Research Expertise (optional)

The information provided in this section refers to your own research expertise, not to a research proposal. Filling out the following 4 sections is optional. This page will not be seen by selection committee members and external assessors. This section will be used for planning and evaluating programs, producing statistics, and selecting external assessors and committee members.

Areas of Research

Indicate and rank up to 3 areas of research that best correspond to your research interests as well as areas where your research interests would apply. Duplicate entries are not permitted.

Rank	Code	Area
1	215	Globalization
2	180	Environment and Sustainability
3	102	Agriculture

Temporal Periods

If applicable, indicate up to 2 historical periods covered by your research interests.

From				To			
Year		BC	AD	Year		BC	AD
_____		<input type="radio"/>	<input type="radio"/>	_____		<input type="radio"/>	<input type="radio"/>
_____		<input type="radio"/>	<input type="radio"/>	_____		<input type="radio"/>	<input type="radio"/>

Geographical Regions

If applicable, indicate and rank up to 3 geographical regions covered by your research interests. Duplicate entries are not permitted.

Rank	Code	Region
1	4000	Near and Middle East
2	5000	Africa
3	9001	International

Countries

If applicable, indicate and rank up to 5 countries covered by your research interests. Duplicate entries are not permitted.

Rank	Code	Countries	Prov./ State
1	6516	TURKEY	
2	1100	CANADA	
3	5305	KENYA	
4			
5			



Curriculum Vitae

Family name, Given name

Atasoy, Yildiz

Language Proficiency

	Read	Write	Speak	Comprehend aurally	Other languages
English	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Turkish
French	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Work Experience

List the positions, academic and non-academic, you have held beginning with the current position and all previous positions in reverse chronological order, based on the start year.

Current position				Start date (yyyy/mm)
Full Professor				2012/7
Org. code	Full organization name			
1590611	Simon Fraser University			
Department/Division name				
Sociology and Anthropology				
Position type	<input checked="" type="radio"/> Tenured	<input type="radio"/> Non-tenure	Employment status	<input checked="" type="radio"/> Full-time
	<input type="radio"/> Tenure-track	<input type="radio"/> Non-academic		<input type="radio"/> Part-time
				<input type="radio"/> Non-salaried
				<input type="radio"/> Leave of absence
Position			Start date (yyyy/mm)	End date (yyyy/mm)
Director			2018/8	
Org. code	Full organization name			
1590611	Simon Fraser University			
Department/Division name				
Centre for Sustainable Development				
Position			Start date (yyyy/mm)	End date (yyyy/mm)
Associate Member			2015/9	
Org. code	Full organization name			
1590611	Simon Fraser University			
Department/division name				
Faculty of Environment				
Position			Start date (yyyy/mm)	End date (yyyy/mm)
Associate member			2013/9	
Org. code	Full organization name			
1590611	Simon Fraser University			
Department/Division name				
Faculty of Arts & Social Sciences				

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Work Experience (cont'd)

Position	Start date (yyyy/mm)	End date (yyyy/mm)
Visiting Professor	2008/5	2009/8
Org. code	Full organization name	
9522102	Middle East Technical University	
Department/Division name		
Department of International Studies		
Position	Start date (yyyy/mm)	End date (yyyy/mm)
Associate Professor	2007/7	2012/6
Org. code	Full organization name	
1590611	Simon Fraser University	
Department/Division name		
Sociology and Anthropology		
Position	Start date (yyyy/mm)	End date (yyyy/mm)
Assistant Professor	2002/9	2007/6
Org. code	Full organization name	
1590611	Simon Fraser University	
Department/Division name		
Sociology and Anthropology		
Position	Start date (yyyy/mm)	End date (yyyy/mm)
Visiting Professor	2001/9	2002/4
Org. code	Full organization name	
9938125	University of Michigan, Flint	
Department/Division name		
Sociology, Anthropology and Criminal Justice		
Position	Start date (yyyy/mm)	End date (yyyy/mm)
Assistant Professor	1999/9	2001/8
Org. code	Full organization name	
1460311	University of Manitoba	
Department/Division name		
Sociology		



Family name, Given name

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Work Experience (cont'd)

Position		Start date (yyyy/mm)	End date (yyyy/mm)
Instructor		1998/9	1999/7
Org. code	Full organization name		
1352011	Ryerson University		
Department/Division name			
Sociology			
Position		Start date (yyyy/mm)	End date (yyyy/mm)
Instructor		1993/9	1994/8
Org. code	Full organization name		
9522102	Middle East Technical University		
Department/Division name			
Sociology			
Position		Start date (yyyy/mm)	End date (yyyy/mm)
Teaching Assistant		1987/9	1998/4
Org. code	Full organization name		
1350911	University of Toronto		
Department/Division name			
Sociology			
Position		Start date (yyyy/mm)	End date (yyyy/mm)
Instructor		1985/9	1987/8
Org. code	Full organization name		
9522102	Middle East Technical University		
Department/Division name			
Sociology			
Position		Start date (yyyy/mm)	End date (yyyy/mm)
Org. code	Full organization name		
Department/Division name			



Family name, Given name

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Academic Background

List up to 5 degrees, beginning with the highest degree first and all others in reverse chronological order, based on the start date.

Degree type	Degree name	Start date (yyyy/mm)	Expected date (yyyy/mm)	Awarded date (yyyy/mm)
Doctorate		1987/09		1998/06
Disc. code	Discipline	Did SSHRC support enable you to get this degree?		
63400	Sociology	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Org. code	Organization			
1350911	University of Toronto			
Country	CANADA			
Degree type	Degree name	Start date (yyyy/mm)	Expected date (yyyy/mm)	Awarded date (yyyy/mm)
Master's		1982/09		1986/06
Disc. code	Discipline	Did SSHRC support enable you to get this degree?		
63400	Sociology	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Org. code	Organization			
9522102	Middle East Technical University			
Country	TURKEY			
Degree type	Degree name	Start date (yyyy/mm)	Expected date (yyyy/mm)	Awarded date (yyyy/mm)
BA Gen.		1978/09		1982/06
Disc. code	Discipline	Did SSHRC support enable you to get this degree?		
63200	Social Work	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Org. code	Organization			
1	Academy of Social Services			
Country	TURKEY			
Degree type	Degree name	Start date (yyyy/mm)	Expected date (yyyy/mm)	Awarded date (yyyy/mm)
Disc. code	Discipline	Did SSHRC support enable you to get this degree?		
		<input type="radio"/> Yes <input type="radio"/> No		
Org. code	Organization			
Country				
Degree type	Degree name	Start date (yyyy/mm)	Expected date (yyyy/mm)	Awarded date (yyyy/mm)
Disc. code	Discipline	Did SSHRC support enable you to get this degree?		
		<input type="radio"/> Yes <input type="radio"/> No		
Org. code	Organization			
Country				

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Family name, Given name

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Credentials

List up to 6 licences, professional designations, awards and distinctions you have received and feel would be the most pertinent to the adjudication of your application. List them in reverse chronological order, based on the year awarded.

Category	Name	Source or Country	Duration (Months)	Value / Year awarded
Fellowship	U of Toronto M. Bissel Research Fellowship	CANADA	12	\$2,000 1993
Graduate Bursary	University of Toronto Bursary	CANADA	12	\$10,000 1993
Graduate Scholarship	U of Toronto International Students Tuition Waiver	CANADA	72	\$60,000 1987
Graduate Scholarship	University of Toronto Graduate Fellowship	CANADA	72	\$60,000 1987

Research Expertise

The information provided in this section refers to your own research expertise, not to a research proposal.

Keywords

List keywords that best describe your areas of research expertise. Separate keywords with a semicolon.

Global Political Economy; Political Sociology; Social Change and Development; Globalization; Sociology of Gender Relations; Transnational Islamic Politics; Women's Veiling; Turkey; Middle East; Comparative Politics

Disciplines

Indicate and rank up to 5 disciplines that best correspond to your research interests. Duplicate entries are not permitted.

Rank	Code	Discipline	If Other, specify
1	63499	Other Sociology	Global Agrifood Systems and Agroecology
2	61099	Other Economics	Global Political Economy
3	63410	Social Structure	
4	62802	Comparative Politics	
5	62808	International Relations	

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Funded Research

List up to 8 grants or contracts you have received from SSHRC or other sources. List them in reverse chronological order, based on the year awarded. If you are not the applicant (principal investigator), specify that persons' name.

Org. code	Full name of funding organization	Year awarded (yyyy)	Total amount (CAN\$)
1	Department of Sociology and Anthropology (SFU)	2019	\$3,000
Role	Applicant	Completion status	<input checked="" type="checkbox"/> Complete
Project title	Climate Change, Industrialization of Agriculture, Migration: Research Grant		
Applicant's family name	Applicant's given name	Initials	
Org. code	Full name of funding organization	Year awarded (yyyy)	Total amount (CAN\$)
1	David & Cecilia Ting Endowment; SFU Community Engagement Initiative; SFU FASS; others	2019	\$30,475
Role	Applicant	Completion status	<input checked="" type="checkbox"/> Complete
Project title	Public Engagement Forums: Food, Climate Change and Migration		
Applicant's family name	Applicant's given name	Initials	
Org. code	Full name of funding organization	Year awarded (yyyy)	Total amount (CAN\$)
1	SSHRC-GRF (SFU)	2014	\$5,886
Role	Applicant	Completion status	<input checked="" type="checkbox"/> Complete
Project title	Shifting Relations of Food Provisioning in Turkey and Brazil		
Applicant's family name	Applicant's given name	Initials	
Org. code	Full name of funding organization	Year awarded (yyyy)	Total amount (CAN\$)
3010325	Social Sciences and Humanities Research Council of Canada	2011	\$25,000
Role	Applicant	Completion status	<input checked="" type="checkbox"/> Complete
Project title	Economic Crisis and the Reorganization of Global Economy: Trans/regional Responses		
Applicant's family name	Applicant's given name	Initials	

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Funded Research (cont'd)

Org. code	Full name of funding organization	Year awarded (yyyy)	Total amount (CAN\$)
1	Simon Fraser University- Various Departments	2011	\$7,300
Role	Applicant	Completion status	<input checked="" type="checkbox"/> Complete
Project title	Economic Crisis and the Reorganization of the Global Economy: Trans/regional Responses		
Applicant's family name	Applicant's given name	Initials	
Org. code	Full name of funding organization	Year awarded (yyyy)	Total amount (CAN\$)
1	SSHRC-GRF (SFU)	2011	\$6,160
Role	Applicant	Completion status	<input checked="" type="checkbox"/> Complete
Project title	Supermarkets and the Transformation of Food Provisioning in Turkey: Impacts on Small-Scale Subsistence Farming.		
Applicant's family name	Applicant's given name	Initials	
Org. code	Full name of funding organization	Year awarded (yyyy)	Total amount (CAN\$)
1	SSHRC-GRF (SFU)	2009	\$4,396
Role	Applicant	Completion status	<input checked="" type="checkbox"/> Complete
Project title	From Subsistence Wheat to World Class Tomatoes and Cherries: Islamic Trust in Supermarkets.		
Applicant's family name	Applicant's given name	Initials	
Org. code	Full name of funding organization	Year awarded (yyyy)	Total amount (CAN\$)
3010325	Social Sciences and Humanities Research Council of Canada	2007	\$20,000
Role	Applicant	Completion status	<input checked="" type="checkbox"/> Complete
Project title	Hegemonic Transitions and the State		
Applicant's family name	Applicant's given name	Initials	

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1. RELEVANT RESEARCH CONTRIBUTIONS OVER THE LAST SIX YEARS

REFEREED CONTRIBUTIONS

Published Books (2 out of career 6):

*1. 2017 Atasoy, Yıldız. *Commodification of Global Agrifood Systems and Agro-Ecology: Convergence, and Divergence and Beyond in Turkey*, London & New York: Routledge (328 pages) [2014-2015 SSHRC GRF & 2009-11 SSHRC GRF.]

*2. 2014 Atasoy, Yıldız (ed.) *Global Economic Crisis and the Politics of Diversity*, London & New York: Palgrave Macmillan. (344 pages) [SSHRC, Aid to Research Workshops and Conferences in Canada Grant.]

Published Journal Articles (1 out of career 8)

*1. 2017 Atasoy, Yıldız. 'Repossession, Re-informalization and Dispossession: The 'Muddy Terrain' of Land Commodification in Turkey'. *Journal of Agrarian Change* 17(4): 657-79. [2014-2015 SSHRC GRF]

Published Chapters in Edited Books (4 out of career 11)

1. 2018 Atasoy, Yıldız. 'Neoliberalization and *Homo Islameconomicus*: The Politics of Women's Veiling in Turkey'. In *The Routledge International Handbook of Veils and Veiling Practices*, eds. Anna-Mari Almila and David Inglis, London: Routledge, pp. 29-43.

2. 2014 Atasoy, Yıldız. 'The Melding of Islam and Secularism: The Islamic Unthinking of State-Centric Politics in Turkey'. In *Popular Protest in the New Middle East*, eds. Are Knudsen, Bergen and Basem Ezdibi, London: I.B. Tauris, pp. 198-229.

3. 2014 Atasoy, Yıldız. 'Introduction: Global Economic Crisis and the Politics of Diversity'. In *Global Economic Crisis and the Politics of Diversity*, ed. Yıldız Atasoy, London: Palgrave Macmillan, pp. 1-26.

4. 2014 Atasoy, Yıldız. 'Conclusion: Rethinking the Politics of Diversity'. In *Global Economic Crisis and the Politics of Diversity*, ed. Yıldız Atasoy, London: Palgrave Macmillan, pp. 285-305.

Other refereed contributions

Conference Presentations (5 out of career 38)

1. 2017 Atasoy, Yıldız 'Global GAP and Agro-biotechnology: Syngenta and Rijk Zwaan in Turkish Villages', *Post-1980 Restructuring of the Agri-Food System in Turkey*, the XXVII European Society for Rural Sociology Congress, Krakow, Poland, 24-27 July

2. 2016 Atasoy, Yıldız 'Supermarket Expansion and the Food Provisioning System in Turkey', XIV World Congress of Rural Sociology, Toronto, Ontario, Canada, August 10-14, 2016.

3. 2016 Atasoy, Yıldız 'Kurdish Migrant Workers and Labour Contractors in Turkish Agriculture', XIV World Congress of Rural Sociology: XIV World Congress of Rural Sociology, Toronto, Ontario, Canada, August 10-14, 2016.

4. 2015 Atasoy, Yıldız 'Commodification of Common Public lands: the Walnut and Almond Producers' Cooperative of Güzöl, Turkey', 5th CIRIEC International Research Conference on Social Economy, Lisbon, Portugal, July 15-18, 2015.

5. 2014 Atasoy, Yıldız ‘Changes in Land-Use Rights and Mass-Housing Projects in Ankara’, *Power, Culture & Economy*, 4th International Conference, Tampere, Finland (25-27 August) **(Keynote speaker)**

ORGANIZER – International Conferences (3 out of career 8)

1. 2017. Convener (with Zülküf Aydın and Mustafa Koç). Mini Conference: *Post-1980 Restructuring of the Agri-Food System in Turkey*, the XXVII European Society for Rural Sociology Congress, Krakow, Poland, 24-27 July 2017.

2. 2016. IRSA 65 - *Seeking the Big Picture within the Small: The Impact of Food System Restructuring and Natural Resource Policies in Turkey*, XIV World Congress of Rural Sociology, August 10-14, 2016. Toronto, Ontario, Canada.

3. 2014-2015. Convener (with Mustafa Koç). ‘Commoditization, Social Innovation and Redistribution: Social Economy in Emerging market Economies’, 5th CIRIEC International Research Conference on Social Economy, Lisbon, Portugal (July 15-18, 2015)

ORGANIZER - Public Engagement Forums (1 out of career 1)

September, October, November 2019. Food, Climate Change & Migration - Public Engagement Forums: <http://www.sfu.ca/sustainabledevelopment/food-climate-change-and-migration/#>, Simon Fraser University. Invited Scholars: Dr. Harriet Friedmann (14 September); Dr. Saskia Sassen (7 October); Dr. Jason Moore (16 November).

NON-REFEREED CONTRIBUTIONS

Book Review (1 out of career 4)

2017 Atasoy, Yıldız, Review of Wendy Brown, *Undoing the Demos: Neoliberalism’s Stealth Revolution*, Zone Books, 2015, *SCTIW Review*, March 7, 2017.

Scholarly Presentations (4 out of 16)

1. 2019 Atasoy, Yıldız. Panel Discussion: "Soufra: Healing through Cooking: Palestinian Refugees in Lebanon"; SFU Woodward, 25 October.

2. 2015 Atasoy, Yıldız. ‘Repossession, Re-informalization, and Dispossession: Muddy Terrain of Land Commodification in Turkey’, Fall 2015 Colloquium Series of the School for International Studies, SFU (5 October 2015)

3. 2015 Atasoy, Yıldız. ‘Transnational Security and Politics: Turkey’, Public Discussion on “The Refugee-Migrant Crisis in the Middle East, North Africa and Europe”, School for International Studies, SFU (5 November 2015) – Public Lecture

4. 2014 Atasoy, Yıldız. ‘The Redistributive Politics of Homeownership in Ankara, Turkey’, Spring 2014 Colloquium Series, the Department of Sociology and Anthropology (18 February)

FORTHCOMING CONTRIBUTIONS

1. 2020 (In Press) Atasoy, Yıldız. ‘Neoliberalism and the Rise of Authoritarianism in Turkey under the AKP’. In *Crisis of Neoliberalism and the Global Rise of Authoritarianism in the 21st Century*, ed. Berch Berberoglu, London and New York: Routledge, Chapter 11. (33 pages)

2. OTHER RESEARCH CONTRIBUTIONS

- UN Sustainable Development Solutions Network (SDNS), Canada, SDG Cities Index Advisory Committee Member (2019 – Current)
- UN Sustainable Development Solutions Network, Canada, Member (2018 – Current)

3. MOST SIGNIFICANT CAREER RESEARCH CONTRIBUTIONS

1. 2017 Atasoy, Yıldız. *Commodification of Global Agrifood Systems and Agro-Ecology: Convergence, and Divergence and Beyond in Turkey*, London & New York: Routledge (8 chapters, 328 pages). This book employs a form of comparative perspective, which allows the particular processes of agrifood relations in Turkey to be simultaneously distinguished from, yet related to, global power dynamics. It has a unique approach that considers a plurality of intertwined normative influences, ontological beliefs, cultural-religious narratives, and political struggles. Based on original research, the book treats changes in food provisioning as an analytical thread capable of uncovering how the normative acceptability of capitalized agriculture and techno-scientific innovation is entangled with class formation, growing inter-capitalist competition and Islamic politics. Such processes, in turn, frame wealth generation, landscape management, agro-ecological dynamics, labour practices, and taste and smell of place.
2. 2009 Atasoy, Yıldız. *Islam's Marriage with Neoliberalism: State Transformation in Turkey*, London & New York: Palgrave Macmillan. (8 chapters, 288 pages). (This book is widely cited in the literature – 202 citation. It explores the re-signification of an Islamic ideational orientation as tied to Turkey's European Union membership around the wearing of the headscarf by Muslim women in schools, the role of Islamic capitalists, and the Kurdish issue. This book informs us of how an Islamic moral-ideological framing of a social change program is centred on the epistemic privilege of European normative patterns and a European ideational stance.)
3. 2013 Atasoy, Yıldız. 'Supermarket Expansion in Turkey: Shifting Relations of Food Provisioning', *Journal of Agrarian Change* 13(4): 547-70. This is a pioneering article on the dominant role played by supermarkets in changing the conditions of subsistence in Turkey. It brings forth the competitive growth of Islamically-oriented small and medium-sized capital groups alongside large retailers in deepening the commodification process in food relationships.
4. 2006 Atasoy, Yıldız. 'Governing Women's Morality: A Study of Islamic Veiling in Canada', *European Journal of Cultural Studies* 9(2): 203-21. This is a pioneering article. Based on in-depth interviews, it is one of the first articles in the field to provide an ethnographic account of immigrant women's veiling practices in Canada.

4. CAREER INTERRUPTIONS AND SPECIAL CIRCUMSTANCES

N/A

5. CONTRIBUTIONS TO TRAINING

SENIOR SUPERVISOR:

COMPLETED:

2020 Ataman Avdan, PhD. Sociology. 'The making of Consurbia: Conservation, Urbanization, and Socio-Environmental Change in Turkey's Gediz Delta'

2017 Jared Blustein, MA. Sociology (2013-2017). 'The Ambiguity of Resistance: Civil Society Engagements with Neoliberalism'

CONTINUING:

- Post-Doctoral Fellow Nancy Moinde (2018-) National Museums of Kenya (Funded: Sitka Foundation)
- Esin Gozukara, PhD. Sociology. 'Agrifood Systems and Livelihoods under Supermarketization: Producing Baklava in Turkey'

Visiting PhD Students (2)

- Narmin Nikdel (2018 -) University of Tehran, Iran
- Isamara Martins Vasconcelos (2019 -) University of Brasilia, Brazil

COMMITTEE MEMBER:

2018 Kristiana Sibson, MA. International Studies. 'Issues of Education in Latin America as a Vehicle to Advance Civic Participation from Below'. Senior supervisor: Gerardo Otero.

CONTRIBUTION TO STUDENT PUBLICATIONS (1)

Heather Whiteside 'Tarnished yet Tenacious: Examining the Track Record and Future of Public-Private Partnership Hospitals in Canada' (Pol. Sci. Simon Fraser University). In *Global Economic Crisis and the Politics of Diversity*, ed. Yıldız Atasoy, London and New York: Palgrave MacMillan

SUPERVISION OF RESEARCH PERSONNEL

- 1-2019-2020 PhD Ataman Avdan SFU Department of Sociology & Anthropology.
2. 2019-2020 MA. Gaby Arana. SFU Department of Sociology & Anthropology.
3. 2019-2020 MA. Dylan Harvey SFU Department of Sociology & Anthropology.
4. 2019 Ph.D. Germaine Tuyisenge. SFU Department of Geography.
5. 2019-2020 Undergraduate Jade Cameron SFU School for International Studies

I have provided methodology and literature-review training to Ataman Avdan, Dylan Harvey and Gaby Arana to conduct literature reviews and to collect, aggregate and analyze official statistical data from various international multilateral organizations including the UN, WTO, and EU. Jade Cameron and Germaine Tuyisenge were trained by myself in community engagement activities to reach out refugee organizations and refugee individuals, as well as to learn dialogue facilitation. I also trained 15 graduate and undergraduate students to work as note-takers and round-table dialogue facilitators in the Food, Climate Change and Migration Public Engagement Forums which took place in the Fall months of 2019.

6. RELEVANT EXPERIENCE

I organized the **Food, Climate Change and Migration Public Engagement Forums** in partnership with SFU's Public Square and Leadership and Community Building Programs of Lifelong learning, and with various community partners including the City of Vancouver, MOSAIC, ISS of BC, DiverseCity, the Laurier Institute, CKX, and Ed Me Co, and 25 refugee organizations. The forums took place over three months in September, October and November of 2019. They were an important collaborative project exploring the intersection of climate change, food insecurity, displacement and migration. Each forum convened two dialogues – one in the morning and another in the afternoon. Morning dialogues were centred on the lived experiences of refugees and immigrants, and the barriers, challenges, and opportunities they face in relation to food, land, culture and climate change. Afternoon sessions were joint dialogues between people with lived experiences of displacement and migration who participated in the morning sessions, along with academics, policy analysts, students and the general public. Afternoon sessions were built upon themes identified in the morning sessions and aimed to explore patterns, challenges and opportunities for future research collaboration with community partners. Dialogues were carried out as round-table discussions mediated by volunteer students who took notes of discussions,

supported by contracted dialogue facilitators. Each morning and afternoon dialogue included Indigenous participation as well. These forums allowed me to gain invaluable experience with facilitating community-engaged research projects, as well as deepen community contacts and partnerships. They have significantly enhanced my abilities to train and mentor students and research personal, analyze relevant data, and engage in networking with academic and non-academic community partners and organizations.

I collaborated as Deputy Project Manager (Academic) with Dr. Zafar Adeel (Director of the Centre for Pacific Water Research) on the development of a Global Affairs Canada (GAC) proposal, titled: *“Dismantling Barriers and Improving the Quality of Education for Women and Girls in Fragile, Conflict and Crisis Situations”*. Requested funding was \$8,856,245. This proposal was developed collaboratively with four implementing partners in the four countries: Jordan - the Royal Society for Conservation of Nature (RSCN), Lebanon - United Nations Economic and Social Commission for West Asia (UNESCWA), Turkey - Food and Agriculture Organization (FAO-Turkey), and Yemen - FAO-Yemen. The partners from Jordan, Lebanon, and Yemen were already participants in an earlier project which the Pacific Water Research Centre of SFU had developed. Turkey is a new addition. I undertook and succeeded in securing, in a very short time, the FAO-Turkey participation in the Turkey leg of this project.

With a group of scholars, I am working on the possibilities for an international research collaboration on global water security challenges within the context of the UN water decade. I was invited and participated in a two-day international workshop titled “SDG Solutions: Shaping the International Water Decade Alliance” organized by Griffith University, Brisbane-Australia, and SFU. It was funded by SFU-VPR and took place between 15 and 16 April 2019 at the Griffith University. The geographical focus of exploration includes Canada, Australia, sub-Saharan Africa, Middle East, and Latin America.

The partnership and the research avenues that I propose in the application are brand new for me. I currently serve as the Director of the Centre for Sustainable Development (CSD) at the Faculty of Environment at SFU. The CSD is a research unit at SFU that engages University resources and talents to deepen understanding, help create solutions and promote sustainable development goals world-wide through collaborative research. The CSD is a member of the Sustainable Development Solutions Network – Canada (SDSN-Canada) founded in 2018 – member of UN SDSNs commissioned in 2012 by the then UN Secretary-General Ban Ki-moon to implement the sustainable development goals and the Paris Agreement on Climate Change. Committed to Sustainable Development Goals (SDGs) and relevant multilateral climate-change agreements, the CSD works in partnership with organizations at various levels to conduct collaborative research and build capacity for enduring commitment to sustainable development world-wide.

I developed a Memorandum of Understanding (MOU) between SFU and the National Museums of Kenya (NMK) (signed in February 2019) to support partnership opportunities for collaborative research. In 2018, the CSD secured a fellowship from the SITKA Foundation to fund the salary of a postdoctoral fellow from the NMK, Dr. Nancy Moinde. I am her supervisor. Following her joining the CSD, I developed the MOU between SFU and NMK. The proposed SSHRC Partnership Engage Grant is the first step in supporting this partnership within the framework of the MOU and aims to share research skills and talents that support sustainability in the ecologically important region of Kenya.

Report Type: Renewal Application

Reporting Year: 2020

General Information

Name of the Centre or Institute: Centre for Cell Biology, Development and Disease (C2D2)

Website: <http://www.sfu.ca/c2d2.html>

Faculty: Science

Director: Michel Leroux (co-Director)
Esther Verheyen (co-Director)

Director's Term End: 2022-09-01

Renewal date: 2025-10-27

Details

Description of the Centre/Institute:

The Centre for Cell Biology, Development, and Disease (C2D2) is an interdisciplinary research unit, whose goal is to promote cell and developmental biology research and education as it relates to health and disease. The research programmes of our members encompass a wide array of biomedical research areas, including cell and developmental biology of plants and animals, host-pathogen interactions, microbiology, molecular physiology, neurobiology, and toxicology.

The Centre/Institute's membership and organization structure:

Our total faculty complement includes about 40 faculty members across multiple departments, academic units, and educational institutions. The C2D2 co-Directors for this year were Dr. Esther Verheyen, and Dr. Michel Leroux, who replaced Dr. Silverman after he took on a new role as Associate Dean, Research in the Faculty of Science. The duties of co-Directors include organizing the monthly seminar series, inviting the Keynote speaker and planning the Annual C2D2 Symposium. Furthermore, the co-Directors liaise with department chairs and other administrators. C2D2 hosts a monthly seminar series, which is open to the SFU research and undergraduate student community in general. Seminars are announced broadly through printed flyers and mailing lists. Attendance at these seminars rivals and even surpasses attendance at most departmental seminars (>60 attendees).

Most significant accomplishments:

1. Infrastructure acquisition

A major goal for C2D2 is to enhance infrastructure within host departments through

operating and equipment grant applications. Successes include an NSERC RTI equipment grant (headed by Dr. Christopher Beh) to expand the electron microscopy (EM) facilities at 4D Labs. Dr. Tim Audas obtained an RTI to purchase an advanced gel documentation system that will benefit researchers across SFU. Several C2D2 members (Tibbits, Vocado, Verheyen, Silverman) are heavily involved in establishing a stem cell facility at SFU, in conjunction with researchers at BC Children's Hospital. The group prepared a multi-million CFI application to establish facilities at SFU, focussed on patient-specific stem cell research.

2. Engagement

C2D2 has continued to have regular seminars and invited guest speakers. Last year we had a successful full-day, 3rd Annual C2D2 Symposium, attended by nearly 80 faculty, staff, and trainees, from SFU, BC Cancer, and TWU. C2D2 has initiated a workshop series to promote and educate our members about techniques, career development and resources.

3. Research

A key goal of C2D2 is to facilitate collaborations amongst members to enhance our competitiveness for operating funds, e.g., CIHR grants. Aside from funded equipment grants, numerous co-authored publications have resulted from internal collaborations between C2D2 members. C2D2 members are encouraged to use the C2D2 affiliation in addition to their SFU departmental affiliation to enhance visibility of C2D2.

4. Recruitment

C2D2 was actively involved in hiring Dr. Mani Larijani for the prestigious Shrum Chair position in Biological Mechanisms of Disease. Mani has an outstanding record of publication, funding, and training, and will be a valuable and integral member of C2D2. In the past year, co-Director Verheyen was also heavily involved in the recruitment of two CRC Tier II Stem Cell scientist. Lisa Julian, who has joined BISC, and Lorena Braid who is in MBB, have both started their positions in 2020 summer.

Notable media successes:

While various C2D2 members have had media engagements, C2D2 itself has not specifically been highlighted in the news.

Events, workshops, public outreach events:

Members of C2D2 regularly engage in outreach through social media, and public speaking forums. C2D2 member Dr. Esther Verheyen presented a CIHR Café Scientifiques. Further, Dr. Nancy Forde presented a public talk in the Dean of Science Nobel Talks series. C2D2 also has a twitter account @SFU_C2D2 which is used to broadcast events. Furthermore, C2D2 members are encouraged to promote the Centre in all of their seminars, and at conferences around the world.

Additional documents:

- 1) C2D2_OFFICIAL_MEMBERSHIP_LIST_-_July_2020_sREGDNy.xlsx (See attachment below)
- 2) C2D2_OFFICIAL_MEMBERSHIP_LIST_-_July_2020_IaasjlE.xlsx (See attachment below)

Rationale for the renewal of the Centre/Institute

C2D2 continues to play an important, cross-departmental role in the Health Sciences at SFU. C2D2 helps promote discussions and collaborations between C2D2 members, and this is particularly important as researchers are challenged to obtain sufficient grant funding and vital instrumentation to continue and enhance their research, and remain competitive in the biomedical health sciences.

How the Centre/Institute enhanced research over and above what would have been accomplished by an individual faculty member?

As a Centre, C2D2 is able to bring together researchers from different Departments and Faculties, as well as areas of research, into an organised group that is greater than the sum of its parts. It facilitates communication and collaborations between different research groups, and has played a role in the acquisition of research infrastructure that is more effective than any individual faculty member would be able to play.

Has the Centre/Institute accomplished its goals?

In addition to ongoing discussions between the co-Directors, and its members, C2D2 holds Annual General Meetings as well as other group meetings where ideas for the direction and goals for the Centre are brought forward and debated. Either the co-Directors themselves, or C2D2 members, are then tasked to carry out the relevant goals for the Centre. For example, the annual C2D2 symposium is planned and implemented by several people.

The Centre/Institute's goals for the next five years:

C2D2's multi-year goals include the following:

1. Strong participation in developing SFU as a leading institution for stem cell research and its application to understanding and developing treatments for human disorders.
2. Additional Workshops that will enhance learning for individuals and labs/groups, and engagement amongst C2D2 members, including potential collaborations.
3. Continued effort to strengthen research capacity, infrastructure, and collaborations amongst members.

KPI:

Our goals do not specifically have Key Performance Indicators that will be tracked/measured.

Changes planned upon renewal (e.g. membership, organization structure, etc.)

We currently do not plan to have any significant change(s) to membership, organisation, or operation of C2D2.

Financial Summary

Does your institute receive direct financial support from the University?

No

Financial Report:

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence:

Yes

External funding details:

Not at this point, but we are aware of this possibility and will seek such possible funding sources .

Confirm policy review

Yes

Submitted by:

Esther Verheyen

Director's Comments:

-

Reviewer's section

Reviewed by:

Michael Silverman

Decision:

Approved

Reviewer's Comments:

I fully support the renewal of C2D2. It has been a key nexus for life science researchers and trainees with its extensive and varied activities, e.g., seminars, keynote speakers, symposia. Moreover, C2D2's continued activities are likely to help shape the research, training, and teaching opportunities for the proposed Interdisciplinary Life Science Building.

Last Name	First Name	Institution	Faculty (If SFU)	Department (If SFU)	Active Member	Peripheral Member
Audas	Timothy	Simon Fraser University	Science	MBB	YES	
Beh	Chris	Simon Fraser University	Science	MBB	YES	
Beischlag	Timothy	Simon Fraser University	Health Sciences		YES	
Bisgrove	Sherryl	Simon Fraser University	Science	BISC	YES	
Braid	Lorena	Simon Fraser University	Science	MBB	YES	
Choy	Jonathan	Simon Fraser University	Science	MBB	YES	
Christians	Julian	Simon Fraser University	Science	BISC	YES	
Clarke	Dave	Simon Fraser University	Science	BPK	YES	
Claydon	Thomas	Simon Fraser University	Science	BPK	YES	
Forde	Nancy	Simon Fraser University	Science	PHYS	YES	
Gorsky	Sharon	Simon Fraser University	Science	MBB	YES	
Guttman	Julian	Simon Fraser University	Science	BISC	YES	
Harden	Nicholas	Simon Fraser University	Science	MBB	YES	
Hawkins	Nancy	Simon Fraser University	Science	MBB	YES	
Hutter	Harald	Simon Fraser University	Science	BISC	YES	
Julian	Lisa	Simon Fraser University	Science	BISC	YES	
Kermode	Allison	Simon Fraser University	Science	BISC	YES	
Krieger	Charles	Simon Fraser University	Science	BPK	YES	
Larijani	Mani	Simon Fraser University	Science	MBB	YES	
Lee	Frank	Simon Fraser University	Health Sciences	-	YES	
Lee	Amy	Simon Fraser University	Science	MBB	YES	
Leroux	Michel	Simon Fraser University	Science	MBB	YES	
Lowenberger	Carl	Simon Fraser University	Science	BISC	YES	
Moore	Margo	Simon Fraser University	Science	BISC	YES	
Morin	Greg	Simon Fraser University	Science	MBB	YES	
Niikura	Masahiro	Simon Fraser University	Health Sciences	-	YES	
Park	Edward	Simon Fraser University	Science	Mechatronic Systems Engineering	YES	
Poburko	Damon	Simon Fraser University	Science	BPK	YES	
Punja	Zamir	Simon Fraser University	Science	-	YES	
Quarmby	Lynne	Simon Fraser University	Science	MBB	YES	
Rintoul	Gordon	Simon Fraser University	Science	BISC	YES	
Ruben	Peter	Simon Fraser University	Science	BPK	YES	
Silverman	Michael	Simon Fraser University	Science	BISC	YES	
Sivak	David	Simon Fraser University	Science	PHYS	YES	
Sun	Bingyun	Simon Fraser University	Science	CHEM	YES	
Tibbits	Glen	Simon Fraser University	Science	BPK	YES	
Tietjen	Ian	Simon Fraser University	Health Sciences	-	YES	
Unrau	Peter	Simon Fraser University	Science	MBB	YES	
Verheyen	Esther	Simon Fraser University	Science	MBB	YES	
Vieira	Amandio	Simon Fraser University	Science	BPK	YES	
Vocadlo	David	Simon Fraser University	Science	MBB	YES	
Vu	Ly	Simon Fraser University	Science	MBB	YES	

By uploading this list, the Director certifies that all the members listed in this document have agreed to be affiliated with the Centre/Institute and approve of this renewal application

Last Name	First Name	Institution	Faculty (If SFU)	Department (If SFU)	Active Member	Peripheral Member
Audas	Timothy	Simon Fraser University	Science	MBB	YES	
Beh	Chris	Simon Fraser University	Science	MBB	YES	
Beischlag	Timothy	Simon Fraser University	Health Sciences		YES	
Bisgrove	Sherryl	Simon Fraser University	Science	BISC	YES	
Braid	Lorena	Simon Fraser University	Science	MBB	YES	
Choy	Jonathan	Simon Fraser University	Science	MBB	YES	
Christians	Julian	Simon Fraser University	Science	BISC	YES	
Clarke	Dave	Simon Fraser University	Science	BPK	YES	
Claydon	Thomas	Simon Fraser University	Science	BPK	YES	
Forde	Nancy	Simon Fraser University	Science	PHYS	YES	
Gorsky	Sharon	Simon Fraser University	Science	MBB	YES	
Guttman	Julian	Simon Fraser University	Science	BISC	YES	
Harden	Nicholas	Simon Fraser University	Science	MBB	YES	
Hawkins	Nancy	Simon Fraser University	Science	MBB	YES	
Hutter	Harald	Simon Fraser University	Science	BISC	YES	
Julian	Lisa	Simon Fraser University	Science	BISC	YES	
Kermode	Allison	Simon Fraser University	Science	BISC	YES	
Krieger	Charles	Simon Fraser University	Science	BPK	YES	
Larijani	Mani	Simon Fraser University	Science	MBB	YES	
Lee	Frank	Simon Fraser University	Health Sciences	-	YES	
Lee	Amy	Simon Fraser University	Science	MBB	YES	
Leroux	Michel	Simon Fraser University	Science	MBB	YES	
Lowenberger	Carl	Simon Fraser University	Science	BISC	YES	
Moore	Margo	Simon Fraser University	Science	BISC	YES	
Morin	Greg	Simon Fraser University	Science	MBB	YES	
Niikura	Masahiro	Simon Fraser University	Health Sciences	-	YES	
Park	Edward	Simon Fraser University	Science	Mechatronic Systems Engineering	YES	
Poburko	Damon	Simon Fraser University	Science	BPK	YES	
Punja	Zamir	Simon Fraser University	Science	-	YES	
Quarmby	Lynne	Simon Fraser University	Science	MBB	YES	
Rintoul	Gordon	Simon Fraser University	Science	BISC	YES	
Ruben	Peter	Simon Fraser University	Science	BPK	YES	
Silverman	Michael	Simon Fraser University	Science	BISC	YES	
Sivak	David	Simon Fraser University	Science	PHYS	YES	
Sun	Bingyun	Simon Fraser University	Science	CHEM	YES	
Tibbits	Glen	Simon Fraser University	Science	BPK	YES	
Tietjen	Ian	Simon Fraser University	Health Sciences	-	YES	
Unrau	Peter	Simon Fraser University	Science	MBB	YES	
Verheyen	Esther	Simon Fraser University	Science	MBB	YES	
Vieira	Amandio	Simon Fraser University	Science	BPK	YES	
Vocadlo	David	Simon Fraser University	Science	MBB	YES	
Vu	Ly	Simon Fraser University	Science	MBB	YES	

By uploading this list, the Director certifies that all the members listed in this document have agreed to be affiliated with the Centre/Institute and approve of this renewal application

Report Type: Renewal Application

Reporting Year: 2020

General Information

Name of the Centre or Institute: Centre for High-Throughput Chemical Biology (C-HTCB)

Website: <https://www.sfu.ca/htcb.html>

Faculty: Science

Director: Roger Linington (co-Director)
David Voadlo (co-Director)

Director's Term End: 2021-04-01

Renewal date: 2025-10-27

Details

Description of the Centre/Institute:

The Centre for High-Throughput Chemical Biology is a Faculty of Science center whose mission is to provide automated high-throughput liquid handling and screening modalities for researchers at the interface of chemistry and biology.

The Centre/Institute's membership and organization structure:

The HTCB is overseen by the Dean of Science, and advised by an advisory committee made up of SFU faculty. The center is led by Director Linington and Co-Director Voadlo, who are responsible for management and expansion of the centre. The centre is staffed by one Ph.D. level research scientist, and has a 25% FTE administrative assistant.

Most significant accomplishments:

The HTCB is involved in an ongoing long term program of HQP training and publication of primary research. Please see the HTCB website for more details.

Notable media successes:

The HTCB has been the subject of several news stories by communications units within SFU

Events, workshops, public outreach events:

Opening international symposium at SFU, February 2017

Facility tours to academic and industrial researchers: frequent and ongoing, typically 4 - 8 per month

Facility tours to high school students: Ongoing. Often 1 per month

Facility tours to candidates for faculty positions at SFU: Ongoing. Frequent
Facility tours to undergraduate classes, clubs and other groups: Occasional, ongoing

Additional documents:

HTCB_brochure_8x14_2020-08-06_8nx6hwh.pdf

Rationale for the renewal of the Centre/Institute

This centre was inaugurated in February 2017 with support from multiple funding sources, including CFI, the Faculty of Science, and donor support. It houses an integrated suite of equipment for high-throughput screening equipment that is state-of-the-art and all in excellent functioning condition. The centre is beginning to reach its full potential as we assist academic and industrial users with challenging drug discovery problems in a range of areas including neurobiology, antibiotic resistance and cancer. The center continues to expand the range of instrumentation available to users, and is on a sound financial footing with financial reserves in hand, and a stable, balanced budget. Renewal will allow us to further prosecute our mandate to serve the biomedical and basic science research communities in Western Canada.

How the Centre/Institute enhanced research over and above what would have been accomplished by an individual faculty member?

The centre houses a highly complex screening platform that was both expensive and time consuming to design, source and install. The platform requires substantial ongoing maintenance and calibration, and costs a significant amount to support with service contracts for key equipment. Running such a platform is unrealistic for a single faculty member, due to the cost involved with setup and maintenance, and the substantial staff time required for management. Further, due to the high-throughput nature of the experiments, no single laboratory could make use of all the time the system offered, leading to high periods of idle instrumentation, and a concomitantly high cost for experiments in order to cover the annual costs of the platform.

Has the Centre/Institute accomplished its goals?

The centre's central goal is to catalyze the development of cutting edge chemical biology research at SFU and within the Western Canada academic sphere. This has been successfully established, with new users from numerous departments (Chemistry, MBB, BPK, Biology) and faculties (Science, Health Science) within SFU. In addition we have attracted external users from UBC, UVic and the University of Alberta, as well as users as far afield as the University of Toronto.

To support lower rates for academic users, the HTCB aims to complete 20% industrial contracts. We have successfully completed three such contracts to date, bringing in cumulatively over \$250,000. The HTCB is gaining a reputation for high quality work in this area, at competitive industrial rates, and new projects are already under negotiation for 2021.

The Centre/Institute's goals for the next five years:**1) 5 Year Plan**

The central mission of the HTCB is to enable the regional research community to pursue high throughput chemical biology experiments including high-throughput screening. As a result of this mission, the HTCB seeks to enable the research activities of SFU researchers in a tangible and measurable way. In addition, supporting the reliable operations of these cutting-edge facilities requires both maintenance of equipment in top form to enable reliable automation and operation as well as retention of expert research staff. We have been successful in securing industry contracts that have allowed us to employ a second research specialist as well as to maintain and build on our set of equipment in a strategic manner. We therefore have a set of shorter and longer term goals as outlined just below. In addition, we briefly summarize key issues that will influence operations at the HTCB in the coming 5 year period including faculty hiring, industry outreach, and major CFI applications. Now that the facility is fully operational and almost all issues have been resolved with operations we seek to pursue several specific goals that would sustain operations and expand the reach of the facility in supporting regional researchers.

KPI 1:**2) Specific Goals:**

- 1) Resolve information management issues to ensure data is handled securely and efficiently through assistance from SFU IT. This work is ongoing and is expected to be completed within the upcoming 6 months
- 2) Install a new microscope that was secured as a CFI with Tibbits, Laksman, and Voadlo jointly pursued by SFU and UBC. This process is underway and installation should be complete within the year (2020).
- 3) Secure an additional 5 SFU users in this upcoming school year (Sept 2020 - Aug 2021). And subsequently to secure an additional 2 users per year for 4 years thereafter to reach a user base of 15 SFU faculty.
- 4) Secure industrial contracts on a yearly recurring basis for the coming calendar year and projected work thereafter on a recurring basis. In this regard we have been developing relationships with Stemcell Technologies who have expressed interest in securing a recurring allotment of time on the platform.
- 5) We aim to support 6 major screening campaigns per year (1 every two months) in addition to work on assay development and preliminary screens. Accordingly, we will continue to monitor our activities to ensure we stay on track to deliver such several complete screens.

KPI 2:

3) 6) We have established target metrics to ensure that we are tangibly assisting researchers and aim to see the HTCB acknowledged in an increasing number of papers each year coming up. In particular we expect to gradually ramp up to see acknowledgements of the HTCB in 8 papers per year by the end of the five-year period.

7) We aim to hold a one day symposium with international participation in 2021 with the goal of increasing visibility of the centre, improving outreach within the Lower Mainland, and showcasing successes within the Western Canadian academic sphere.

KPI 3:

4) Financial Support: In order to maintain the equipment in top form and support research activities it is essential that the equipment is well maintained and that we have expert technical assistance. In this regard the particular goals we are pursuing focused on industrial contracts is essential. We have targeted up to 20% of HTCB platform time to industrial use with a 5-fold higher fee than academic users pay. This target should allow us to both support the facility by hiring an expert technician as well as covering unexpected costs of equipment failures as well as selected services contracts. We will therefore continue to pursue the important, yet time intensive, pursuit of securing industrial contracts. This financial model relies on ongoing staff support from the Dean of Science at the current funding level (\$75k per annum).

KPI 4:

5) Hires in the area of chemical biology: In order to sustain the facility and enable continuity, as well as to build on current success, it is important to plan ahead as chemical biology at SFU lacks any early career researchers. Chemical biology faculty are moving toward retirement. SFU is well positioned to become a national leader in the area of high throughput chemical biology. We therefore have set the goal of hiring a faculty member in the area of high throughput chemical biology who would be a major user of the facility. If the CFI application noted below is successful we would need to target additional hires in the area of high throughput chemical biology and/or chemical biology of stem cells to support bridging these facilities.

KPI 5:

6) Major CFI Infrastructure: A major factor that is coming up that will influence the direction of the HTCB is the CFI Innovations application led by Tibbits and Lynn (involving both BC Children's Hospital and SFU with principles from each institute) focused on new equipment for the HTCB as well as for the Stem Cell Factory (SCF). Both Linington and Vocadlo are major co-applicants on this proposal, and invested very substantial amounts of

time during the preparation of this complex multi-institutional proposal. Success with this application will provide new resources for both the creation of a new facility for high-throughput stem cell culture (the Stem Cell Factory) and upgrading of the existing HTCB infrastructure to support these new large-scale experiments. This expansion will necessitate significant attention and effort in purchasing, installing, integrating, and troubleshooting the new equipment - as well as integrating HTCB efforts at the back end of the SCF. This will take approximately 2 years including 1 year of design and purchasing plus 1 year of installation and troubleshooting. As a benchmark, Linington and Voadlo spent an average of 10 hours per week for six months working with vendors on facility design, equipment selection and integration and software demo and testing during the design phase for the HTCB installation.

KPI 6:

7) Major CFI Infrastructure (continued): If this CFI application is not successful, then operations will continue as outlined above. However, we will seek to pursue support through CFI opportunities to build up the HTCB infrastructure to support SFU faculty in the Faculty of Science as well as to maintain and replace equipment as it ages out of being cutting edge. In particular, we will seek to secure an additional plate reader, a flow cytometer, and a confocal microscope. These will greatly expand the capabilities of the facility and enable a wider set of users to pursue cost efficient automated experiments on the platform.

KPI 7:

Changes planned upon renewal (e.g. membership, organization structure, etc.)

Previously, the HTCB was staffed by two Ph.D. level scientists. One of these, Dr. Christina Gros, has just accepted a new position as High Throughput Screening Platform Manager at the academic Ksilink research facility in Strasbourg. Given the current economic uncertainty caused by the COVID epidemic, we have elected to postpone the search for her replacement until the situation is more stable. This reduces the financial exposure to the HTCB, and places us in a stronger position to ensure that the centre remains well supported for ongoing research operations. It is our intention to hire a replacement for this position as soon as conditions permit this.

Financial Summary

Does your institute receive direct financial support from the University?

No

SFU Account Number

21-S000103

Opening Balance

\$112540.00

Revenues:

\$0.00

Expenditures:

\$0.00

Closing Balance

\$112540.00

Financial Report:

No

Financial Contributions from the university:

1.25 FTE from the Dean of Science. Total commitment \$75k annually

See FAST for financial summary

Space provided by the university:

Space in TASCII (8201 and 8070)

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence:

Yes

External funding details:

Many grant proposals include letters of support from the HTCB. Several of these were funded in the past year, including researchers in Chemistry and MBB.

The HTCB aims to complete industry contracts to offset the operational costs of the centre. We have completed one external contract in this period, with a second contract planned for September 2020. Other negotiations with industry are ongoing.

Confirm policy review

Yes

Submitted by:

Roger Linington

Director's Comments:

The HTCBB is in excellent shape as we transition from installation to sustained operations. We have a strong contingency fund, a large user base, excellent research results to date, a growing international reputation, and a talented and dedicated research staff. The instrumentation is top-flight, and access to these tools for HQP is perhaps unique in the Canadian academic world. The centre is a showpiece for the Faculty of Science, and is in an excellent position to develop a powerful influence on chemical biology research at SFU going forwards.

Reviewer's section**Reviewed by:**

Michael Silverman

Decision:

Approved

Reviewer's Comments:

I fully support the renewal of the cHTCBB. This facility is unique and impactful, and provides a truly cutting-edge facility for SFU researchers and for other universities and industry partners. The detailed 5-year plan addresses financial and scientific challenges and goals, which are both surmountable and achievable.

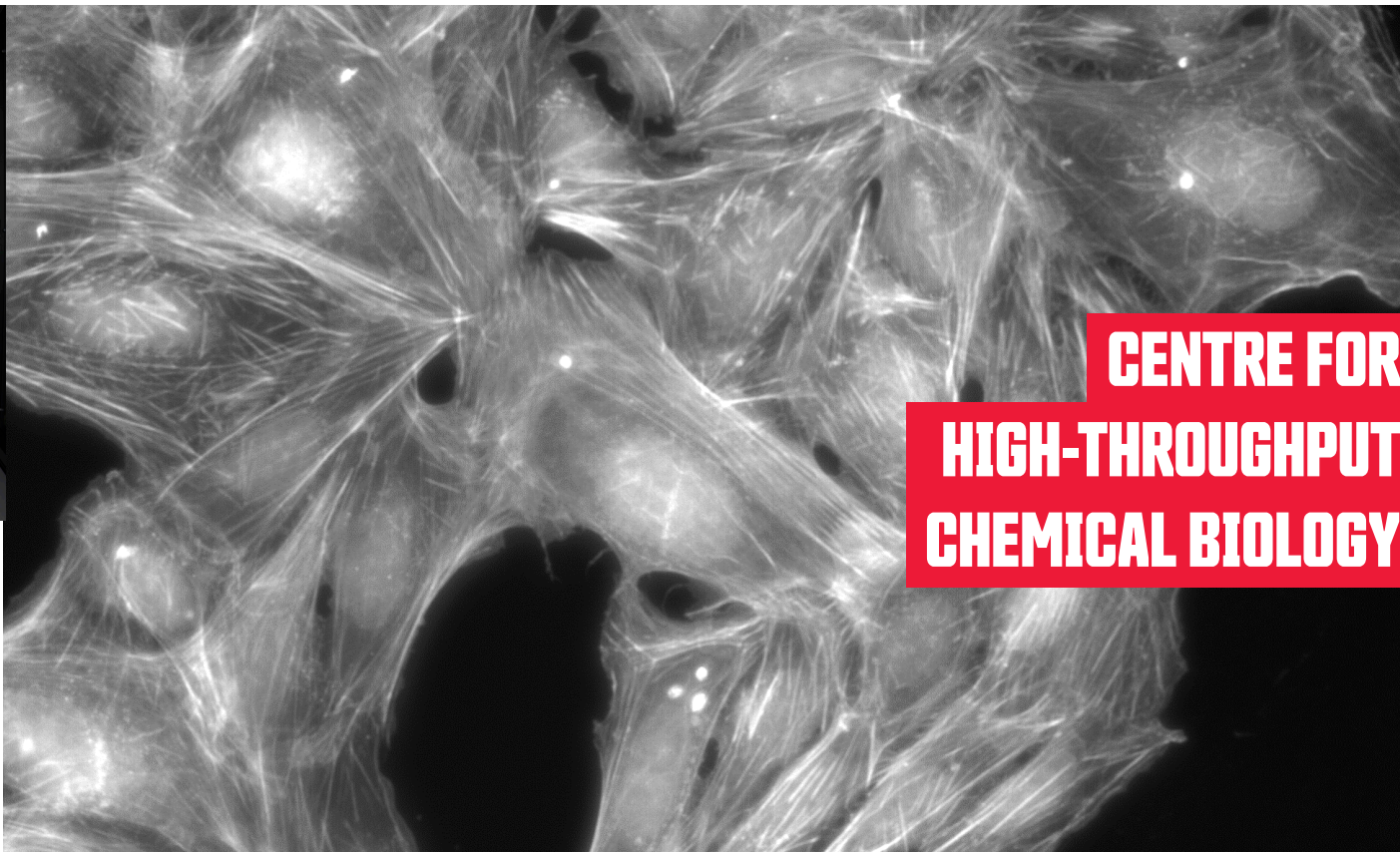


ABOUT US

The Centre for High-throughput Chemical Biology (HTCB) is centrally located in the Greater Vancouver Regional District on Burnaby Mountain at Simon Fraser University. The HTCB is the only academic-centric high-throughput and high-content facility equipped with a state-of-the-art roboticized screening platform in Western Canada.

We provide academic and industry users with training and access to an instrument suite capable of a broad range of screening modalities, from plate reader-based assays to the latest image-based high content screening methods. Complete with a fully equipped tissue culture room, the HTCB provides the capability to conduct advanced assays, which are the ideal tools for drug screening and discovery, cellular pathway dissection, and genetic screening.

Visit our website for more information
sfu.ca/htcb



CENTRE FOR HIGH-THROUGHPUT CHEMICAL BIOLOGY

FOR MORE INFORMATION

sfu.ca/htcb

CONTACT US

TASC II 8201
8888 University Drive
Burnaby, BC V5A 1S6

778-782-5264
htcbmgr@sfu.ca

SFU

FACULTY
OF SCIENCE



FACILITY

Robotized screening platform:

- 4-axis microplate mover
- Two widefield fluorescence microscopes, sCMOS camera with full resolution imaging rate at 100 FPS
- Microplate reader
- Two automated incubators
- Two liquid handlers equipped with pin tools
- Plate carousel, centrifuge, loader, sealer, deseler, automated plate labeler
- Dedicated compound storage space with in-house compound libraries

Fully equipped tissue culture room:

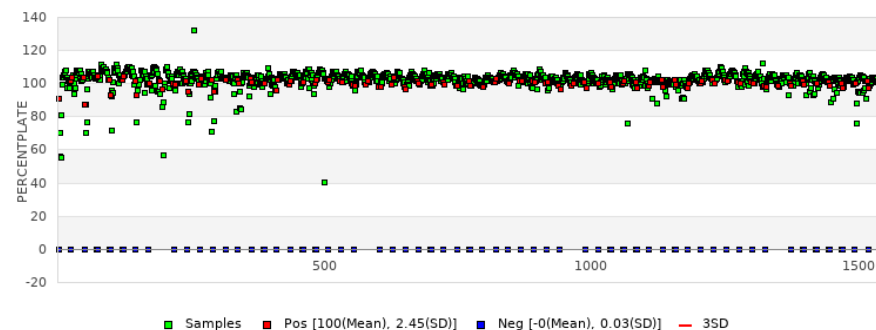
- Two BSCs (BSL2)
- Incubators
- Centrifuge
- Microscope, cell counter

APPLICATIONS

- Cell painting
- Screening of external or in-house compound libraries
- Drug screening
- Cancer biology and glycobiology
- Exploration of fundamental biological pathways

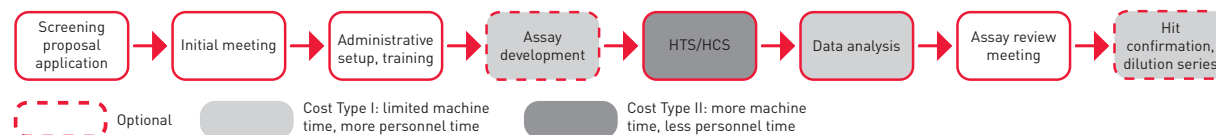
SERVICES

- High-throughput screening
- High-content imaging
- Hands-on training in equipment use
- Expert consultation and assay development advising
- Industry and academic contract research & screening
- Access to advanced data processing analysis software such as MetaXpress



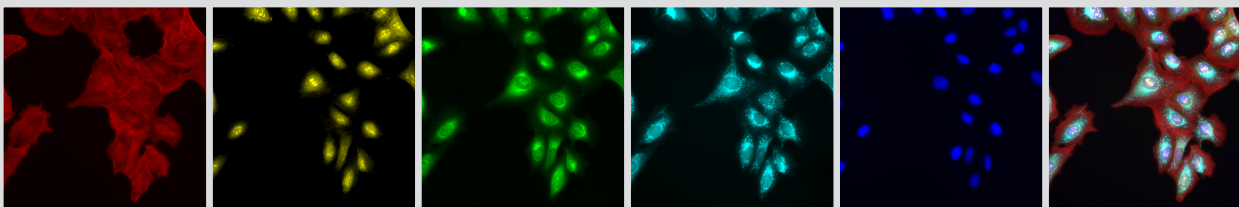
SCREENING PIPELINE

The pipeline detailed in the diagram below is intended to streamline the screening process for clients. Assays are developed by clients, either independently or with advice from HTC B staff. HTC B staff then adapt screens to the platform and perform the finalized screen. Promising hits are selected and further confirmed in the centre or independently by clients. Generated data is provided to clients, who retain complete IP rights.



CELL PAINTING

High-content and high-throughput morphological profiling assay that assesses the effect of perturbagens on key organelles via generation of a selection of compound profiles based on aggregate cellular phenotypes. Images represent 5 separate channels, red (F-actin, golgi, plasma membrane), yellow (nucleoli, cytoplasmic RNA), green (endoplasmic reticulum), cyan (mitochondria), and blue (DNA), with combined overlay.



Report Type: Renewal Application

Reporting Year: 2020

General Information

Name of the Centre or Institute: Evolutionary and Behavioural Ecology Research Group

Website: <http://www.sfu.ca/biology/research/ecology-evolution/eberg.html>

Faculty: Science

Director: Ronald Ydenberg

Director's Term End: None

Renewal date: 2025-10-27

Details

Description of the Centre/Institute:

The research group was formally established in 1989 to pursue basic research in behavioural ecology; to maintain and develop an internationally recognized student training centre in behavioural ecology, and related areas of inquiry; and to provide a service to government, industry and others to tackle basic and applied problems in behavioural ecology through collaborative research. Members are drawn from the Departments of Biological Sciences, Psychology and the School of Resource Management.

The Centre/Institute's membership and organization structure:

There are 15 faculty and more than 90 graduate students at SFU associated with the group, as well as several post-doctoral fellows. A few faculty members from UBC and UVic and several adjunct faculty from Environment and Climate Change Canada complete the group.

Most significant accomplishments:

- 1) The full members of eBERG brought in nearly \$2 M in grants and contracts. eBERG claims no direct responsibility for any of this, but does provide useful co-ordination and access to support like our field vehicle.
- 2) Collectively they published over 60 refereed papers and book chapters during the year and had an additional 24 papers in press as of 31 March 2020.
- 3) A total of 17 PhD and Masters students were graduated during 2019-2020. Members collectively supervised 44 graduate students as of 31 March 2020. eBERG continued to

offer a regular suite of graduate courses to good student demand.

4) eBERG conducts a weekly seminar series on Behavioural Ecology topics, which has been running since 1987. This series features both invited guest speakers and members of the group and department in both formal presentations and discussions of proposed research.

Notable media successes:

None

Events, workshops, public outreach events:

None

Additional documents:

None

Rationale for the renewal of the Centre/Institute

eBERG provides a useful organizational and co-ordination service for SFU's ecologists.

How the Centre/Institute enhanced research over and above what would have been accomplished by an individual faculty member?

eBERG serves as an umbrella for ~15 faculty in ecology-related disciplines at SFU. It organizes a long-running lunchtime seminar series ('Les Ecologistes'), runs an introductory graduate course for new students each Fall semester (BISC 827), maintains a field vehicle for use by members of the group, and supports graduate students to attend the annual SFU-UBC ecology retreat (end October) and the grad student Pacific Ecology and Evolution Conference (PEEC) in February of each year. It also on occasion organizes workshops.

Has the Centre/Institute accomplished its goals?

eBERG is a small operation and the Director (Ron Ydenberg) handles all the organizational activities off the side of his desk.

The Centre/Institute's goals for the next five years:

no extra goals.

KPI:

none

Changes planned upon renewal (e.g. membership, organization structure, etc.)

none

Financial Summary

Does your institute receive direct financial support from the University?

No

Financial Report:

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence:

-

External funding details:

-

Confirm policy review

Yes

Submitted by:

Ronald Ydenberg

Director's Comments:

eBERG is a low-intensity organizational umbrella. It costs nothing but provides useful services for its members.

Reviewer's section

Reviewed by:

Michael Silverman

Decision:

Approved

Reviewer's Comments:

eBERG is a longstanding (1989), successful Centre that essentially has no cost to the Faculty and University. There is strong engagement by faculty and trainees as evidenced by their collaborative manuscripts, funding, and seminar series. Although a 5-yr plan does not include new goals, maintaining its current suite of activities is more than sufficient to justify eBERG's renewal.

Report Type: Renewal Application

Reporting Year: 2020

General Information

Name of the Centre or Institute: Canadian Institute for Studies in Publishing

Website: <https://publishing.sfu.ca/research/>

Faculty: VP Research

Director: John Maxwell

Director's Term End: 2021-04-01

Renewal date: 2025-10-28

Details

Description of the Centre/Institute:

The Canadian Institute for Studies in Publishing (CISP) was established (originally as a Centre) in 1987 to pursue the study of publishing and to serve the research and the information needs of the publishing industry. The CISP engages in basic research into the history, management, technology and policy issues related to publishing. Projects have been initiated by the CISP and undertaken under contract to, or by means of grants from industry, government and granting agencies. From time to time, the CISP publishes monographs and reports on the theory and practice of publishing, and sponsors seminars, conferences and professional development courses. In recent years the CISP has focused on the digital humanities, scholarly communications, Indigenous publishing, and the creative economy in general.

The Centre/Institute's membership and organization structure:

The CISP's membership (see attached list) is a collegial group of aligned researchers, at SFU (and drawn from FCAT, FASS, and the Library) as well as the University of Victoria. The Director of the CISP is typically the Director of the Publishing Program at SFU, though there is no strict requirement that this be the case.

Most significant accomplishments:

1) A pair of Andrew W Mellon Foundation-funded reports into scholarly publishing infrastructure. These research projects involved ten graduate research assistants. Maxwell, John W, Erik Hanson, Leena Desai, Carmen Tiampo, Kim O'Donnell, Avvai Ketheeswaran, Melody Sun, Emma Walter, Ellen Michelle. 2019. "Mind the Gap: A Landscape Analysis of Open Source Publishing Tools and Platforms." MIT Press/Knowledge Futures Group. DOI: 10.21428/6bc8b38c.2e2f6c3f <<https://mindthegap.pubpub.org/>>

Maxwell, John W., Alessandra Bordini, & Katie Shamash. 2017. "Reassembling Scholarly Communications: An Evaluation of the Andrew W. Mellon Foundation's Monograph Initiative." *Journal of Electronic Publishing 20* (1), April, 2017.
<<http://dx.doi.org/10.3998/3336451.0020.101>> – <<http://summit.sfu.ca/item/17622>>

2) In 2019, we launched a new published-by-CISP OA journal with a "public humanities" mandate: *Pop! Public Open Participatory* <<https://popjournal.ca>>. The inaugural issue (Oct 2019) was proceedings of INKE Winter Meeting 2019 'Understanding and Enacting Open Scholarship;' and a second issue is in peer review currently. Plans for a 2020 print edition, to be sold as single-copies at DHSI were foiled by the pandemic. Further to the launch of Pop!, member Mauve Pagé in 2018 established Turn/Up Press, a student imprint of (the now moribund) CISP Press, for student design projects and publications, and a prototype Publishing Lab for students and researchers.

3) CISP has been involved in the development of "open social scholarship" with the Implementing New Knowledge Environments (INKE) group at UVic, including six years of participation in the INKE annual conference and planning meetings (and support for the Connection Grants that fund them). In 2020, the INKE Partnership grant (2020–2026) was funded; CISP is a named Partner in this large, multi-participant endeavour. Arbuckle, Alyssa & John W Maxwell. 2019. "Modelling Open Social Scholarship Within the INKE Community." *KULA: Knowledge Creation, Dissemination, and Preservation Studies 3* (1), Feb 2019. <<http://doi.org/10.5334/kula.15>>
Maxwell, John W. "Rethinking SRC-Online for the Second Age of INKE." *INKE 2018: Implementing Social Scholarship*. Victoria, BC, Jan 10, 2019
Maxwell, John W. 2015. "Beyond Open Access to Open Publication and Open Scholarship." *Journal of Scholarly and Research Communication. 6* (2). <<http://src-online.ca/index.php/src/article/view/202>>

4) Participation in a CFI Grant for "Digital Cultures" infrastructure at SFU. Several CISP members collaborated on this grant proposal, including Colette Colligan, Brian Owen, Mark Jordan, Richard Smith, Juan Alperin, Hannah McGregor, John Maxwell. As an institutional sponsor of the annual Digital Humanities Summer Institute, we have sent 19 Publishing graduate students and three faculty members to week-long courses at DHSI since 2016. CISP Director John Maxwell has taught a week-long DHSI course for 5 years at DHSI.

5) SFU Publishing Workshops, directed by CISP member Suzanne Norman. See "Public Outreach" below.
Suzanne Norman has also been central to an effort to develop an Indigenous Publishing curriculum, in partnership with institutions like the En'owkin Centre in Penticton BC, and more recently in discussions with First Nations University in Saskatchewan. Suzanne and CISP member Deanna Reder have also been instrumental in establishing and nurturing the Indigenous Editors Association and the Indigenous Voices Awards, a new literary award

program.

Notable media successes:

None

Events, workshops, public outreach events:

SFU Publishing Workshops, directed by CISP member Suzanne Norman: twenty-three publicly available workshops offered between 2016 and 2019 (the pandemic has prevented any in 2020), covering topics such as editorial skills, publishing software skills, marketing, SEO, and business practices. In the past four years we have also run the *Emerging Leaders in Publishing Summit* (a whole week February) as a combination academic-industry (public) symposium, bringing together graduate students, industry professionals, and fee-paying members of the public.

In 2020, Suzanne and colleagues began planning a series of webinar-style workshops for delivery beginning in fall 2020/spring 2021, specifically addressing Indigenous publishing curriculum.

Additional documents:

Membership_signoff_form_HeWr6RW.xlsx

Rationale for the renewal of the Centre/Institute

In addition to being a hub for research collaboration, a host for professional events and education, the CISP acts as an interface to other entities (within SFU and beyond) for the purposes of partnerships, grants, and educational projects.

CISP is a named participant in several ongoing initiatives, including: a digital-scholarship CFI application under review currently; a SSHRC Partnership Grant on Open Social Scholarship held at the University of Victoria; a sponsor and active participant in the Digital Humanities Summer Institute (also at UVic); a supporter of the Public Knowledge Project at SFU; and

CISP underwrites, each year, a series of public-facing professional development workshops in Publishing. The CISP has hosted a publishing workshops series at SFU since 1997; this has diminished somewhat in recent years, but remains part of our annual activities.

CISP holds two fund-31 Endowments set up for the purposes of maintaining publishing industry involvement in Publishing curriculum at SFU. Among other things, these fund a large number of industry guests in the classroom.

CISP Journal Services, a project run by Professor Emeritus Rowland Lorimer, provides publishing services to 8-10 scholarly journals.

How the Centre/Institute enhanced research over and above what would have been accomplished by an individual faculty member?

The CISP has enhanced research and professional training opportunities in a number of different avenues. Without its existence, CISP could not have attracted the funding nor collaborations that it has. See "Significant Accomplishments" below.

Has the Centre/Institute accomplished its goals?

The CISP, through its variety of activities and the aligned efforts of its members, helped to establish Publishing@SFU as the leading research-based publishing education program in North America. CISP members have been key participants in national and indeed international discourse around the evolution of scholarly communications, open access, and digital scholarship. It has supported rich industry involvement in the classroom, and the development of innovative curriculum.

The Centre/Institute's goals for the next five years:

- 1) Redefine the future mandate and scope for CISP (see "Changes Planned on Renewal" above)
- 2) Further development of Indigenous publishing curriculum and associated professional/academic community.
- 3) Work with INKE Partnership to prototype and elaborate open, social scholarly communications in the context of the INKE research group.
- 4) Development of "Digital Cultures" space and infrastructure for humanities/social sciences digital scholarship at SFU on three campuses, as per 2019 CFI proposal authored by Colligan & Levy.
- 5) Further development of student- and scholar-led experimental publishing at SFU in the style of Mauve Pagé's "Turn/Up" student publications.

KPI:

- 1) A new mandate decided among membership and published on the website by spring 2021.
- 2) Establishment of institutional partnerships that would allow delivery of Indigenous publishing curriculum; hosting annual Indigenous Editors Circle (conference/workshop) at SFU; stability and public recognition for Indigenous Voices Awards.
- 3) Further development and bi-annual publication of *Pop! Public. Open Participatory* journal, and expansion of both its distribution and its editorial content to non-academic audiences.
- 4) Dedication of Digital Cultures space at Surrey, Burnaby, and Vancouver campuses as per CFI grant.
- 5) Annual online and printed publications in distribution with community partners, development of a catalogue of publications; interest from non-member faculty and students at SFU.

Changes planned upon renewal (e.g. membership, organization structure, etc.)

The CISP is due for a new mandate; the research profile of the Publishing Program overall has increased by an order of magnitude in the past five years, and so the scope of publishing research is much wider; the CISP's focus and vision need to be revisited by the membership in light of such developments as Dr Juan Alperin's Scholcomm Lab and Dr Hannah McGregor's "Amplify" scholarly podcasting network. Whether CISP is an umbrella for these activities, or, alternatively, CISP should pick a narrower scope as a peer to these initiatives, needs to be decided.

Financial Summary**Does your institute receive direct financial support from the University?**

No

Financial Report:

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence:

Yes

External funding details:

Yes, both in the examples of the SSHRC-funded INKE Partnership Grant (CISP is a partner), and in the two Andrew W. Mellon Foundation research studies conducted by Maxwell (in the name of CISP).

Confirm policy review

Yes

Submitted by:

John Maxwell

Director's Comments:

Atkins/Douglas and Endowment Income

Current combined total revenue/balance is \$115,500

*These resources support key initiatives with regard to industry engagement and promotion of publishing@sfu.

CISP Trade (Journal Services)

Current revenue/balance is \$139,000

*Journal Services represent an ongoing operation supporting several client scholarly journals.

Summer Workshops

Current balance \$-23,480

*The deficit is not an adequate indicator of the value of the workshops. The closure of the university due to COVID-19 meant a loss of non credit fee revenue that would have cleared the deficit and provided a financial cushion. We continue to explore options for addressing the shortfall given these challenging times.

Reviewer's section

Reviewed by:

Angela Brooks-Wilson

Decision:

Approved

Reviewer's Comments:

Congratulations on a productive renewal term. In particular, your new activities to create an Indigenous publishing curriculum and to establish and nurture an Indigenous Editors Association sound very exciting!

Institution	Faculty (If SFU)	Department (If SFU)	Active Member	Peripheral Member
Simon Fraser University	FCAT	Publishing	Y	
Simon Fraser University	FCAT	Publishing	Y	
Simon Fraser University	FCAT	Publishing	Y	
Simon Fraser University	FCAT	Publishing	Y	
Simon Fraser University	FCAT	Publishing	Y	
Simon Fraser University	FASS	Indigenous Studies	Y	
Simon Fraser University	FASS	English	Y	
Simon Fraser University	Library	Library Systems	Y	
Simon Fraser University	FCAT	Publishing (Emeritus)	Y	
Stanford University/SFU	Library	Public Knowledge Project	Y	
University of Victoria			Y	
Simon Fraser University	Library	Library (Retired)		Y
Simon Fraser University	FCAT	CMNS/CDM		Y

By uploading this list, the Director certifies that all the members listed in this document have agreed to be affiliated with the Centre/Institute and approve of this renewal application

Report Type: Renewal Application

Reporting Year: 2020

General Information

Name of the Centre or Institute: Institute for Environmental Learning
Website: <http://www.eco-learning.org>
Faculty: VP Research
Director: David Zandvliet
Director's Term End: 2020-04-01
Renewal date: 2025-10-28

Details

Description of the Centre/Institute:

The IEL was created by the SFU Senate to develop and support environmental learning and community engaged research in British Columbia communities, schools and post-secondary institutions. IEL is a BC based partnership among researchers, educators, and government stakeholders, facilitating education and action-oriented research around environmental learning and sustainability and was chartered by the United Nations as a Regional Centre for Expertise on Education for Sustainable Development representing BC and the North Cascades (UN BC RCE). The Institute is well positioned to play a leading role in the development of environmental learning curriculum and practice with the following objectives:

- Promote multi-sectoral collaboration, community based problem solving and a network of research into effective teaching practices;
- Develop and support research and programs on environmental learning in communities, schools and post-secondary institutions;
- Focus on an interdisciplinary approach to research with multi-institutional involvement and expertise;
- Coordinate research and development activities; and
- Increase private and public involvement in Environmental Learning and related research, fund distribution and policy development

The Centre/Institute's membership and organization structure:

The institute has both a steering committee (for governance) which makes decisions on the basis of consensus. The institute also seeks input more broadly through its advisory council. Members include representation from BC postsecondary institutions, K-12 schools and teacher organizations, the informal education sector (including museums and aquariums) as well as representation from municipal governments.

Most significant accomplishments:

In 2016, The Institute founded an open access journal (www.eco-thinking.org)

In 2017, the Institute hosted the Annual meeting of UNU Chartered RCE's in the America's.

In 2017, the Institute hosted the World Environmental Education Congress (WEEC)

In 2018, the Institute expanded its membership to include more representation from the Informal sector.

In 2019, the Institute appointed an indigenous co-director (Dr. S. Leddy / UBC) to address issues of reconciliation.

In 2020, the Institute was referenced as a key advisory structure for my newly appointed UNESCO Chair (SFU).

Notable media successes:

None

Events, workshops, public outreach events:

None

Additional documents:

None

Rationale for the renewal of the Centre/Institute

In 2010 the precursor to the Institute for Environmental Learning was chartered as a Regional Centre of Expertise (RCE) on Education for Sustainable Development (ESD) by the United Nations University (UNU) and in 2013, the Institute won an RCE award from UNU for its innovative Professional Development practices. We continue to enjoy our UN Charter and our goal continues to be to support community-based research on best practices for environmental learning in both the formal and informal education sectors. As the designated RCE for BC and the North Cascades we are connected to a network of other RCE's from around the globe. In 2017, the Institute hosted the World Environmental Education Congress (WEEC) here in Vancouver attracting more than 1000 participants from 60 countries. In recent years, our membership has expanded paving the way for a broader collaboration across a broad spectrum of educational endeavour (both formal and informal sectors). Highlights include new collaborations with Oceanwise (Vancouver Aquarium) and the Vancouver Botanical Gardens Association (Van Dusen Gardens). We have also begun a revamp of our Journal (Eco-thinking) which will see it broaden its scope to include a broader and more international authorship and audience.

How the Centre/Institute enhanced research over and above what would have been accomplished by an individual faculty member?

Largescale collaborations such as the UNU network of RCE's, The WEEC Conference, and a variety of multi-sectoral collaborations require the organizational structure and governance of a research institute to allow for broad membership as well as enhanced oversight and accountability.

Has the Centre/Institute accomplished its goals?

The Institute has as its central goal to enhance cross-sectoral collaboration and a variety of these are continuing and /or under development. Since 2017 and the enhanced profile of the WEEC meeting our membership has steadily increased and diversified. Although the COVID-19 Pandemic has limited our possibilities for meeting we continue with our quarterly meetings instead via zoom and our last two meetings have been very well attended.

The Centre/Institute's goals for the next five years:

1) Re-establish the open-access journal Eco-thinking and expand its reach globally.

KPI 1:

Increased submission numbers and diversity of authorship.

2) Increase broad representation in the Institute's steering committee and advisory council.

KPI 2:

Increased participation numbers and a greater number of institutional partners.

3) Seek broader capacity funding for staff to help manage the day to day affairs of the IEL (possibly partnership grants, fellowships or industry contributions).

KPI 3:

Increased grant funding (small and large) from a variety of sources.

Changes planned upon renewal (e.g. membership, organization structure, etc.)

n/a

Financial Summary

Does your institute receive direct financial support from the University?

No

Financial Report:

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence:

-

External funding details:

-

Confirm policy review

Yes

Submitted by:

David Zandvliet

Director's Comments:

The Institute for Environmental Learning plays an important social function which is to stimulate networking and collaboration across institutions and sectors. The value of this activity is hard to quantify through publications or grantsmanship and so our largest goal is to grow the network and to ensure that SFU continues to support this important networking function. IEL networking activities ensure that researchers, policy makers and practitioners are all sharing information with each other for the enhanced functioning of the BC education sector

Reviewer's section

Reviewed by:

Angela Brooks-Wilson

Decision:

Approved

Reviewer's Comments:

Congratulations on a successful renewal term, including hosting the World Environmental Education Congress, and founding the open access journal Eco-thinking.

Report Type: Renewal Application

Reporting Year: 2020

General Information

Name of the Centre or Institute: International Centre for Criminal Law Reform & Criminal Justice Policy

Website: <http://www.icclr.org>

Faculty: VP Research

Director: Peter German

Director's Term End: 2021-04-01

Renewal date: 2025-10-28

Details

Description of the Centre/Institute:

The International Centre for Criminal Law Reform and Criminal Justice Policy (ICCLR) is an international research institute based in Vancouver, Canada. Founded in 1991, ICCLR is a joint initiative of the Government of Canada, the University of British Columbia, Simon Fraser University, the International Society for the Reform of Criminal Law, and the Province of British Columbia and is one of eighteen institutes comprising the United Nations Crime Prevention and Criminal Justice Programme Network of Institutes. Research and project work by ICCLR assists the Canadian government and the United Nations with its international commitments, interests and priorities in criminal law reform and criminal justice policy. ICCLR develops and delivers technical assistance programs, tools, manuals, research and policy analysis to promote the improvement of criminal justice systems and criminal law policies in Canada and internationally.

The Centre/Institute's membership and organization structure:

ICCLR's 11-member board includes representatives from: the Department of Justice Canada, Global Affairs Canada, the Department of Public Safety Canada, the Ministry of the Attorney General of BC, the International Society for the Reform of Criminal Law, the University of British Columbia, Simon Fraser University, and UNODC (Ex-Officio Representative). ICCLR has 2 full-time staff and 2 part-time staff as well as a roster of 14 Associates who are hired on a per-project basis.

Most significant accomplishments:

1) E-Gladue: Using Technology to Increase Access to Justice for Remote Indigenous Communities

One of ICCLR's new initiatives this year is a project that investigates the ways that technology can be used to increase access to justice for Indigenous communities in remote areas of Canada. This project serves Indigenous persons living in remote areas of BC by facilitating greater access to restorative justice options for Indigenous persons. It will also assist policy makers in developing programs and policies that specifically address the access to justice barriers that affect Indigenous Canadians.

2) Towards Child-Sensitive Criminal Justice in Southeast Asia for Child Victims of Violence

This research project is commissioned and managed in partnership by the Thailand Institute of Justice and ICCLR. Authored by ICCLR Senior Associate Eileen Skinnider, this report informs and advances the discussion on how to ensure that children subjected to violence in Southeast Asia have access to child-sensitive criminal justice processes and obtain effective justice, protection and redress. It explores good practices using the UN Model Strategies on the Elimination of Violence against Children.

3) Production and Delivery of Gladue Pre-Sentence Reports: A Review of Selected Canadian Programs

ICCLR successfully published this report in October 2019. This report presents and compares information gathered from interviews with stakeholders from various jurisdictions in Canada about Gladue report service delivery models. It concludes with several recommendations concerning the need for future consultations, research and data collection. This study was funded by the Law Foundation of British Columbia and conducted in collaboration with the Ministry of the Attorney General of British Columbia and Legal Services Society of British Columbia.

4) Celebrating 10 Years of the UNCAC Implementation Review Mechanism

This ICCLR publication prepared for the UNODC highlights the impact the review mechanism has had so far by showcasing concrete examples and input from States parties, the secretariat and other stakeholders. It covers legislative and institutional changes implemented by States parties, lessons learned and other impacts the mechanism has had. The publication was distributed to delegates at the Conference of the States Parties to the UNCAC in Abu Dhabi to celebrate the tenth anniversary of the implementation review mechanism.

Notable media successes:

1) A press conference at the Legislature in Victoria BC was held regarding the findings from the reports concerning the issue of money laundering in BC authored by ICCLR President Peter German and Senior Associate Maureen Maloney (who also serves as the Chair of the Expert Panel on Combatting Money Laundering in Real Estate in BC). Select examples of the media coverage include:

- <https://www.cbc.ca/news/canada/british-columbia/bc-money-laundering-report-1.4723958>

- <https://bc.ctvnews.ca/money-laundering-report-a-wake-up-call-for-canada-authors-say-1.4429929>
- <https://www.cbc.ca/radio/thecurrent/the-current-for-may-16-2019-1.5137392/money-laundering-is-canada-s-problem-not-just-the-west-coast-s-expert-warns-1.5137412>

Other related media coverage related to the reports:

- <https://www.cpacanada.ca/en/news/pivot-magazine/2020-04-24-peter-german-dirty-money>

2) UNODC and the Thailand Institute of Justice (TIJ) hosted a webinar for the launch of the UNODC Handbook on Restorative Justice Programmes 2nd Edition in May 2020. The Handbook was developed by ICCLR Senior Associate Yvon Dandurand and Annette Vogt in close collaboration with Jamie Lee from UNODC. Prof. Dandurand spoke at this webinar on the theme of enabling the national roadmap for restorative justice. Prof. Dandurand and the others who collaborated on this project were widely applauded for their efforts by both government officials and other actors.

An on-demand version of the webinar can be accessed here:

<https://www.youtube.com/watch?v=74cIyd22PEI>

3) In 2015, ICCLR initiated its social media presence with two accounts on Twitter and LinkedIn. In 2016, additional accounts were created on Facebook and Youtube. These accounts have allowed ICCLR to expand its profile, share its initiatives and activities with a global audience, and broaden its network to reach international experts, academics, journalists, international research institutes, and students among many other professionals and organizations. ICCLR continued to see strong engagement with its various accounts, especially through conferences and workshops organized over past years. ICCLR now boasts over 1,500 followers across these social media channels, and continues to grow its following.

Twitter: <https://twitter.com/theicclr>

LinkedIn: <https://www.linkedin.com/company/international-centre-for-criminal-law-reform-and-criminal-justice-policy/>

Facebook: <https://www.facebook.com/theicclr/>

YouTube:

https://www.youtube.com/channel/UCjgWfZHqsMAltAPHVU8pWAg?view_as=subscriber

Events, workshops, public outreach events:

1) The Anti-Corruption Law Program

The Anti-Corruption Law Program is a joint program under a collaborative working partnership of ICCLR, the Peter A. Allard School of Law, and Transparency International Canada. Professor Joe Weiler, a member of ICCLR's Board of Directors, has been the law school's lead. In 2019/20, experts in the field of money laundering and anti-corruption convened for four seminar discussions:

- Anti-Corruption is Pro-Development – The View from the World Bank

- Money Laundering in the BC Real Estate and Luxury Vehicle Markets
- The Downstream Impact on Real Estate of the Focus on Money Laundering
- Transparency International Canada Vancouver Day of Dialogue

2) TRACE Bribery & Economic Crime Summit Block Chain and Cryptocurrency Pre-Conference Event: Both Sides of the (Bit)Coin

In June 2019, ICCLR hosted the pre-conference event Both Sides of the (Bit)Coin in Vancouver, BC. The speakers at this event discussed both sides of block chain technology and its potential interaction with corruption and criminal law. The event was moderated by ICCLR Senior Associate Gerry Ferguson. Panel speakers included Dr. Chris Rowell (Postdoctoral Research and Teaching Fellow at UBC), Cpl. Aaron Gilkes (RCMP, Integrated Technological Crime Unit) and Mr. Kris Constable (Canadian Institute for Information and Privacy Studies Society). ICCLR Associate Richard Frank conducted an interactive session on tracing illicit bitcoin transactions.

3) United Nations Commission on Crime Prevention and Criminal Justice (CCPCJ) - Hate Crimes Prevention Workshop Vienna Austria

In May 2019, ICCLR and the International Centre for the Prevention of Crime co-organized the Hate Crimes Prevention Workshop for the 28th session of the CCPCJ. The theme of the workshop centered on the responsibility of effective, fair, humane and accountable criminal justice systems in preventing and countering crime motivated by intolerance or discrimination of any kind.

4) Access to Justice Metrics Colloquia

This year, ICCLR, together with the UVic Access to Justice Centre for Excellence (ACE) and Access to Justice B.C., co-sponsored two colloquia. The first colloquium convened in May 2019 in Vancouver to produce a high level overview of the access to justice data currently available from access to justice organizations and government institutions. It also served to clarify some of the potential obstacles, including privacy protection laws, to greater information gathering and sharing within the access to justice sector. In February 2020, the second colloquium in Victoria advanced the discussion particularly on privacy protection laws and the legal requirements surrounding the use of personal data for research and evaluation purposes. Colloquium participants endorsed in principle the possibility of creating a BC justice data commons. ICCLR Senior Associate Yvon Dandurand who developed the Access to Justice Measurement Framework along with ICCLR Associate Jessica Jahn (2017), delivered presentations at both colloquia.

Additional documents:

Membership_signoff_form_ICCLR_KQYvjkl.xlsx

Rationale for the renewal of the Centre/Institute

ICCLR provides Canada with the ability to respond to emerging priorities, drive programs,

and make an impact in the world. The independence of ICCLR is a significant benefit that has allowed it to be both efficient and effective at marshaling resources, in order to undertake project work. ICCLR's independence, network, experience and expertise provide it with a marked advantage over many other agencies which undertake international work in criminal justice. Its practice of collaboration, information sharing, and involving government departments at strategic points, enables ICCLR to act as both a catalyst for change and a bridge to achieving Canada's desired outcomes on the international stage. ICCLR is sufficiently flexible in its operations and in tune with the current domestic and international agenda in criminal justice, that it can adjust and tailor its work to current and emerging priorities, as well as to areas of particular interest and concern to the Canadian Government and to the international community. The renewal of the Centre that is requested will enable ICCLR to continue its criminal justice initiatives in Canada and abroad. ICCLR will also be in a position to continue supporting Canada's role and priorities internationally.

How the Centre/Institute enhanced research over and above what would have been accomplished by an individual faculty member?

ICCLR's comparative advantage lies in its ability to assemble expert teams representing academia, government, the private sector, and NGOs to manage specific projects. ICCLR acts as a facilitator, delivering products in a cost-effective manner. ICCLR works closely with domestic and international experts who have extensive experience working in the fields of criminal justice, human rights, the Rule of Law, and governance. Improving partnerships and communications with government and other agencies is a cornerstone of ICCLR's model for program delivery.

ICCLR occupies a unique niche within Canada. It offers programming oriented to technical co-operation in developing countries, and complements other Canadian and UN programs. Its practice of collaboration, information sharing, and involving government departments at strategic points, enables ICCLR to act as both a catalyst for change and a bridge to achieving Canada's desired outcomes on the international stage. ICCLR is also able to undertake projects and provide independent assessments and advice in a professional and innovative manner that has been welcomed by both governments and civil society. ICCLR is often able to operate where government-to-government assistance is not feasible.

Has the Centre/Institute accomplished its goals?

1. Knowledge Sharing – We develop practical tools, handbooks and manuals relating to criminal law, criminal justice policy, the reduction of victimization, human rights and crime prevention. We also provide public information and education on our areas of focus. Some recent examples include:

- UNODC Introductory Handbook on The Prevention of Recidivism and the Social Reintegration of Offenders

- UNODC Draft National Crime Prevention Strategy - 2017-2020, Union Republic of Myanmar
- UNODC Handbook on Police Corruption
- Revised Edition of the UNODC Handbook on Restorative Justice Programmes
- Workshop event on the prevention of hate crimes at the UN CCPCJ
- Information session regarding block chain technology and anti-corruption
- Colloquium on enhancing access to justice with a specific focus on the A2J measurement framework and justice metrics

2. Knowledge Creation - We conduct action-oriented research, policy analysis and program evaluations. Our Associates have become very well-known and respected for their work on justice indicators and evaluation, both within Canada and abroad;

3. Knowledge Mobilization - We develop and deliver technical assistance programs including needs assessments and capacity building measures. There are numerous examples of program delivery in Asia, particularly China; and in Africa, including Ethiopia and the South Sudan.

The Centre/Institute's goals for the next five years:

1) Diversify ICCLR's income portfolio

KPI 1:

- Secure unrestricted core funding from at least x amount of different sources
- Increase administration fees by x amount for projects
- Increase restricted funding by x amount for specific projects
- Increase revenue by x amount from private donations

2) Demonstrate impact on criminal justice

KPI 2:

- Implement and monitor ongoing use of and ICCLR impact metric; generate x amount of ICCLR impact metric reports every year
- Increase social media engagement to x amount of visitors per month across each social media platform
- Host x amount of people at events, conferences and workshops

3) Increase reputation and public profile

KPI 3:

- Build better relationships with influencers
- Share ICCLR stories; develop a set of advertising materials that clearly links the Centre's work to the impact it has on vulnerable groups
- Strategically advertise ICCLR services; provide clarity to potential customers on the services ICCLR provides

Changes planned upon renewal (e.g. membership, organization structure, etc.)

Upon renewal, ICCLR will continue to focus its efforts on the priorities of the Strategic Plan 2018-2020 that contains the following features:

- Expand areas of focus to include cybercrime
- Continue implementation of a detailed project tracking database that focuses on the effect ICCLR work has had on criminal justice in Canada and abroad
- Increase the number of project proposals developed by ICCLR Executive and Associates
- Develop new relationships with a wider variety of potential funders
- Implement a new marketing plan that: builds better relationships with key industry influencers, communicates our impact on criminal justice, and strategically advertises our skills and expertise

Financial Summary

Does your institute receive direct financial support from the University?

No

Financial Report:

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence:

Yes

External funding details:

The Centre received core funding from the federal Department of Justice. It is a charitable society and can receive donations. It also pursues grants and contracts in furtherance of its mandate.

Confirm policy review

Yes

Submitted by:

Peter German

Director's Comments:

-

Reviewer's section

Reviewed by:

Angela Brooks-Wilson

Decision:

Approved

Reviewer's Comments:

This institute has had a successful term, including some notable press coverage on money laundering. This joint initiative of the federal and BC governments, multiple universities and other organizations clearly does very important work. It would be appropriate to add SFU to the logos listed on the UBC-hosted institute website.

Last Name	First Name	Institution	Faculty (If SFU)	Department (If SFU)	Active Member	Peripheral Member	
German	Dr. Peter	ICCLR			✓		By uploading this list, the Director certifies that all the members listed in this document have agreed to be affiliated with the Centre/Institute and approve of this renewal application
Macri	Ms. Joanne	ICCLR			✓		
Burns	Prof. Peter	ICCLR			✓		
Chan	Ms. Marcella	ICCLR			✓		
Castle	Dr. Allan	ICCLR			✓		
Chin	Ms. Vivienne	ICCLR			✓		
Dandurand	Prof. Yvon	ICCLR			✓		
Ferguson	Prof. Gerry	ICCLR			✓		
Frank	Dr. Richard	ICCLR			✓		
Jahn	Ms. Jessica	ICCLR			✓		
MacPhail	Ms. Alison	ICCLR			✓		
Maloney	Prof. Maureen	ICCLR			✓		
Millar	Dr. Hayli	ICCLR			✓		
Montgomery	Ms. Ruth	ICCLR			✓		
Prefontaine	Mr. Daniel	ICCLR				✓	
Skinnider	Ms. Eileen	ICCLR			✓		
Winkler	Mr. David	ICCLR			✓		
Yang	Dr. Vincent	ICCLR			✓		
Boyd	Prof. Neil	ICCLR			✓		
Sun Beale	Prof. Sara	ICCLR				✓	
Brandolino	Mr. John	ICCLR				✓	
Burack	Ms. Ellen	ICCLR				✓	
Cromwell	The Honourable Thomas	ICCLR				✓	
Kessel	Mr. Alan	ICCLR				✓	
MacAlister	Prof. David	ICCLR				✓	
Mosley	The Honourable Richard	ICCLR				✓	
Pavlich	Prof. Dennis	ICCLR				✓	
Weiler	Prof. Joseph	ICCLR				✓	
Wright	Ms. Laurie	ICCLR				✓	

Report Type: Renewal Application

Reporting Year: 2020

General Information

Name of the Centre or Institute: Vancouver Institute for Visual Analytics (VIVA)

Website: <http://viva.sfu.ca/>

Faculty: VP Research

Director: Lyn Bartram

Director's Term End: 2021-08-31

Renewal date: 2025-10-28

Details

Description of the Centre/Institute:

VIVA brings together researchers and practitioners in the methods of visual analytics, the science of cognitive analytics enabled by interactive data visualization interfaces. It is an interdisciplinary field, combining computation, mathematics, psychology, perception, organizational development and social science, applied to problems in data analytics that are incompletely served by machine based techniques. It is essentially the discipline of human-in-the-loop analytics. VIVA members participate in collaborative research. The Institute also provides services in training and in research consulting, helping researchers SFU-wide use visual analytics to better understand their data.

The Centre/Institute's membership and organization structure:

VIVA has a Director (Lyn Bartram), an Associate Director (Wolfgang Stuerzlinger) and an advisory committee of SFU Faculty members from across the University:

Computing Science (FAS): Dr Fred Popowich, Dr. Sheelagh Carpendale

Geography (Environment) : Dr. Nicholas Hedley

SIAT (FCAT): Dr. Lyn Bartram, Dr, Wolfgang Stuerzling, Dr. Brian Fisher

English/Library (FASS): Alison Moorier

Business: Dr. Sarah Lubik

Mathematics (Science): Dr. Sandy Rutherford

Urban Studies (Graduate Studies): Andy Yan (Director)

Any student, staff or faculty member of SFU may be a VIVA member.

Most significant accomplishments:

1) Training: we have developed and delivered multiple courses both externally and internally.

Externally we have provided courses to students at UBC (the India-Canada summer school, and a custom 13-week course for the Management in Engineering Leadership program), from universities across Canada through the CANVAC Visual Analytics Summer School (hosted at SFU in 2017), and through the Pacific Institute for Climate Change. WE also have given multiple courses to practitioners in various domains (Coastal Health Vancouver, Finning Caterpillar International, BC Government Data Practitioners).

Internally we regularly give several courses/year through the Library Research Commons (24 people cap). We have also given bespoke courses to the SFU City program and to FCAT.

2) Curriculum development: VIVA is actively involved in bringing VA curriculum to different academic disciplines. We are now working on a VA specialization for a new Masters' program in BUbusiness to launch in September 2021.

VIVA members worked on the redefinition of the Graduate Certificate in Visual Analytics to be submitted to Senate in Sept. 2020.

3) Research:

Work by ViVA researchers has expanded and enriched research from several different SFU professors. VIVA work in Avalanche visualization (Dr. PascaL Haegeli in REM) has resulted in an expanded research program and explicit research funding for visual analytics research from Avalanche Canada.

Visual analytics work with Dr. Miriam Rosin (Kin) has resulted in her adding a new research focus to her investigation into oral cancer of using visualization to reveal patterns not elicited by other analytical techniques.

Recent work with Dr. Marina Adshade of the Vancouver School of Economics (UBC) is helping her show the BC Womens' Hospital Foundation the impact of Covid-19 risk on women in the workforce.

VIVA members have numerous publications.

4) Grant applications:

Drs. Rutherford and Bartram have applied for a CHIR grant in "A data-analytic decision support platform to transform primary

health care for marginalized people in urban environments".

Most of the VIVA members are part of an NSERC CREATE application in Humanizing Data Science.

Notable media successes:

None

Events, workshops, public outreach events:

- 1) CANVAC Summer School: VIVA has been extensively involved in sponsoring and promoting the CANVAC Summer School in Visual Analytics, held in 2015 (York University); 2016 (University of Victoria); and 2017 (hosted and designed by VIVA, SFU).
- 2) CONNECT workshop, March 2019, Insight through Data Visualization: VIVA sponsored and helped to organize a national NSERC-funded CONNECT workshop bringing Canadian visualization and visual analytics researchers with practitioners and external partners in media, finance, urban planning, health, and technology. The workshop was held jointly in 2 locations: SFU downtown and OCAD/UofT in Toronto, with the Toronto site virtual. Additional colleagues participated from Montreal and Calgary.
- 3) CityVis workshops: VIVA has supported and help to organize an ongoing series of workshops in urban visualization. - the CityVis series, held at IEEE Visualization 2018 (Berlin), IEE Visualization 2019 (Vancouver), and the ACM eEnergy conference 2020 (virtually in Melbourne, AU). VIVA members participated at both IEEE Vis workshops; Director Bartram helped to organize and spoke at the Melbourne workshop.
- 4) Connecting graduate student projects with external partners: Through courses in visual analytics and business, VIVA members connect students in their classes with external problems. Examples include SPARC BC (Seniors' Housing), City of Surrey (crime and traffic), and SFU Urban Studies.

Additional documents:

Membership_signoff_form2020_e60J0U3.xlsx

Rationale for the renewal of the Centre/Institute

VIVA's activities are a core part of SFU's larger Big Data initiative, bringing humans into the loop of interactive visualization and exploratory data analysis. VIVA provides training in visual analytics and consulting to researchers and staff at all levels of the University; we also work with external partners. VIVA researchers also collaborate with other SFU members in both core research (grants and research projects related to visualization) and applied research in which visual analytics is a critical method. To date we have been responsible for helping researchers from many different disciplines to use VA to carry out and enhance their research.

How the Centre/Institute enhanced research over and above what would have been accomplished by an individual faculty member?

Visual analytics is an interdisciplinary field. As such there is no opportunity for a single researcher in the field of visual analytics to cover its scope; and there is no capacity for a researcher in another discipline (such as health) to fully explore VA techniques to enhance her work. There is no other organization within the University that brings together researchers who seek to understand their data through visual analytics with leading researchers and practitioners in visual analytics who are extending the state of the art in the field.

Has the Centre/Institute accomplished its goals?

We have expanded our training activities and resources, including building a repository of state of the art teaching materials, through the last two years.

VIVA members are core to several grant applications, including a recent NSERC CREATE.

We have expanded our active membership to include people from every faculty except Health.

The Centre/Institute's goals for the next five years:

1) VIVA has three core mandates, articulated in its Constitution and retargeted to SFU, as:

1. to support research currently being conducted both in and using Visual Analytics (VA) in the Vancouver area, primarily (but not exclusively) at Simon Fraser University (SFU). The context of the research is the set of real world problems encountered by industry and governmental organizations.

KPI 1:

Metrics include evidence of VIVA assistance to SFU research:

of successful project consulting effects, where VA assistance contributed to enhancing or expanding SFU research;

resulting publications of project outcomes where VIVA assistance was important;

and evidence of VA research that makes a contribution to the field:

members actively involved

publications, grants and demonstrations

2) 2. To aid in building a capacity to train VA human resources at all levels, whether the trainees are university students or company employees, in an environment that includes a wide range of VA tools along with access to the best practices in the field.

KPI 2:

curricula developed

courses given

HQP trained

3) 3. To support a VA “research networking” infrastructure that will establish Vancouver as

the locus of visualization and analytics research, expertise and educational programming for all of Canada.

KPI 3:

- # workshops and other outreach activities developed and hosted:
- # VIVA members' participation in VA outreach
- # grant applications that include funding for Visual Analytics support
- # external stakeholders engaged and developed as active members

Changes planned upon renewal (e.g. membership, organization structure, etc.)

We are planning to expand our publication and grants materials to provide more resources for researchers to include visual analytics methods within research proposals.

Financial Summary

Does your institute receive direct financial support from the University?

No

SFU Account Number

see attached

Financial Report:

See attachment below

Financial Contributions from the university:

in 2019 and 2020 we have had support for 2 RA positions as part of the larger Big Data services.

List of major equipment provided by the university:

none. VIVA funds and uses its own equipment.

Space provided by the university:

1 office in the Big Data Hub.

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence:

Yes

External funding details:

VIVA members as a team have applied for a large NSERC training grant (CREATE).

Confirm policy review

Yes

Submitted by:

Lyn Bartram

Director's Comments:

-

Reviewer's section

Reviewed by:

Angela Brooks-Wilson

Decision:

Approved

Reviewer's Comments:

It is great to see involvement of faculty members from so many different units (at least 8) across SFU in this institute. The intersection with opportunities in the Big Data hub is a strength.

Last Name	First Name	Institution	Faculty (If SFU)	Department (If SFU)	Active Member	Peripheral Member
Bartram	Lyn	SFU	FCAT	SIAT	yes	
Stuerzlinger	Wolfgang	SFU	FCAT	SIAT	yes	
Popowich	Fred	SFU	FAS	CS	yes	
Carpendale	Sheelagh	SFU	FCAT	CS	yes	
Rutherford	Sandy	SFU	Science	Mathematics	yes	
Hedley	Nick	SFU	Environment	Geography	yes	
Fisher	Brian	SFU	FCAT	SIAT	no	yes
Dill	John	SFU	FCAT	SIAT	no	yes
Lubik	Sarah	SFU	Business	Entrepreneurship	yes	
Yan	Andy	SFU	FASS	City Program	yes	
Moorer	Alison	SFU	FASS	English	yes	
Darvill	David	CANVAC			yes	(adjunct)
Csinger	Andrew	Centre for Innovation in Mineral Resources Engineering				yes

By uploading this list, the Director certifies that all the members listed in this document have agreed to be affiliated with the Centre/Institute and approve of this renewal application

SFU FAST System

Printed: 7/16/2020

Report Filter: User: Idasilva Fund: 13 Internal Research (OR) Project: N890054 Viva F PopowichPeriod: Mar-2020 (Closed)

Object	Description	Mar-2020 YTD.Actuals	Mar-2019 YTD.Actuals	Mar-2018 YTD.Actuals	Mar-2017 YTD.Actuals	Mar-2016 YTD.Actuals
Revenues						
4055	Other Fed Grant and Contracts	0.00	0.00	0.00	0.00	-14,010.00
4124	Corp - Gift	0.00	0.00	-92,000.00	-90,000.00	0.00
4270	Workshop Fees	0.00	-1,575.00	0.00	0.00	0.00
4899	Other Revenues	0.00	-29,218.08	-17,275.62	-145,834.90	-86,001.91
	Subtotal	0.00	-30,793.08	-109,275.62	-235,834.90	-100,011.91
Expenses						
5430	Sals Non-Students RA	0.00	0.00	16,808.00	255,259.44	151,965.98
5432	Sals Undergrad RA Cdn	0.00	0.00	0.00	0.00	0.00
5436	Sals Masters RA Cdn	149.60	0.00	0.00	0.00	0.00
5438	Sals Masters RA Foreign	-356.24	55.47	5,574.57	2,321.43	0.00
5442	Sals Doctorate RA Foreign	0.00	7,773.72	8,972.35	5,587.33	0.00
5446	Sals Post-Doc RA Foreign	0.00	11,500.00	48,610.90	0.00	0.00
5842	Speaker and Consult Fee	0.00	0.00	2,000.00	0.00	0.00
5911	Welfare Benefits	0.00	868.06	2,779.61	13,835.92	11,537.52
6010	Computer Hardware under 5k	0.00	3,000.12	0.00	0.00	0.00
6012	Computer Hardware over 5k	0.00	6,467.07	0.00	0.00	0.00
6100	Office Supplies	0.00	267.35	0.00	0.00	0.00
6164	Software License and Purchases	411.39	0.00	0.00	0.00	0.00
6199	Materials and Supplies - Other	0.00	0.00	0.00	76.65	0.00
6520	Printing and Duplication Exp	0.00	0.00	0.00	413.13	0.00
6590	Grants to Other Organizations	0.00	0.00	0.00	0.00	200.00
6610	Consulting Services	-3,894.00	2,565.00	6,750.00	5,200.00	3,961.21
6650	Advertising and Promotion	500.00	0.00	0.00	1,955.80	0.00
6660	Telecommunication Charges	0.00	0.00	0.00	0.00	66.88
6749	Contract Services - Other	0.00	13,125.00	0.00	0.00	0.00
6999	Internal Expense Transfer	-3,632.77	0.00	0.00	-5,000.00	-2,500.00
7000	Employee Travel Expenses	0.00	0.00	0.00	0.00	33.57
7020	Non-Employee Travel Expenses	0.00	0.00	0.00	0.00	0.00
7022	Non-Employee Field Travel Exp	0.00	0.00	179.00	0.00	505.09
7040	Conference Registration	0.00	0.00	0.00	0.00	0.00
7050	Meals Expenses	0.00	0.00	0.00	2,577.38	4,798.80
7414	MECS Internal Charges	403.78	0.00	2,730.61	15,266.15	11,509.00
7416	Parking Services Charges	119.04	0.00	35.71	0.00	0.00
7418	Print-Digital Svcs Intrnl Chrg	0.00	0.00	45.00	0.00	0.00
7468	Information Services Charges	25.00	25.00	50.00	450.00	0.00

Object	Description	Mar-2020 YTD.Actuals	Mar-2019 YTD.Actuals	Mar-2018 YTD.Actuals	Mar-2017 YTD.Actuals	Mar-2016 YTD.Actuals
7499	Internal Charges - Other	0.00	0.00	0.00	0.00	14.11
7915	Budget Balance Forward	0.00	0.00	0.00	0.00	0.00
	Subtotal	-6,274.20	45,646.79	94,535.75	297,943.23	182,092.16
	Total	-6,274.20	14,853.71	-14,739.87	62,108.33	82,080.25