

# **DRAFT REPORT OF THE TASK FORCE ON SUSTAINABILITY RESEARCH**

## **I. INTRODUCTION**

Sustainability is a prominent research focus at York University (henceforth York), pursued across all Faculties. For example, the Faculty of Environmental Studies (FES) was created in 1968 as Canada's first environment-focused university Faculty. Over the past 20 years, two Organized Research Units have been dedicated to sustainability research, including the FES-based York Centre for Applied Sustainability (YCAS) and the University-wide Institute for Research and Innovation in Sustainability (IRIS). In addition, several Faculty-based research centres focus on the environmental dimensions of sustainability and some university-wide ORUs devote significant research, publishing and outreach to sustainability, such as the Roberts Centre for Canadian Studies and The City Institute. York's sustainability researchers work internationally with colleagues worldwide. The growing interest in sustainability research in the natural, physical and social sciences, as well as the humanities and fine arts, is demonstrated by the emergence of sizeable interdisciplinary clusters that receive funding from Tri-Council grants, Ontario programmes and other external organisations. York also supports a great deal of undergraduate and graduate student research in sustainability illustrating the synergy between sustainability research and teaching, with sustainability themes evident in the course offerings of most Faculties.

### **1. Formation of the Task Force**

The York University 2014-15 Task Force on Sustainability Research (henceforth Task Force) was announced on 23 April 2014 as an initiative sponsored by the Office of the Vice-President Research and Innovation (VPRI). The Task Force was created to evaluate current and emergent research strengths in the area of sustainability and to recommend structures to support, integrate, cultivate and publicize York's sustainability research.

The mandate of the Task Force is to:

- Engage broadly the community to identify current and potential sustainability research strengths at York;
- Develop recommendations for structures that best capture York's strengths in sustainability research and promote and foster York's future;
- Provide advice on potential linkages between researchers at York and external partners; and
- Provide a final report to the York community that reflects the Task Force's findings and recommendations.

A central feature of sustainability research at York is environmental responsibility; this conception supports the thematic area of "Public Engagement for a Just and Sustainable World," which is one of the strategic areas identified for development in *Building on Our Strengths: York University's Strategic Research Plan 2013-2018*.

## 2. Task Force Membership

A call for nominations for Task Force membership was released on 20 August 2014. Over 30 candidates were proposed through a combination of self-nomination, peer-nomination and nominations by Associate Deans Research. Although a target of 10 to 12 members was stated in the Call for Nominations, 15 candidates were selected from diverse disciplines and Faculties. These 15 candidates include scholars with a broad range of methodological approaches, research goals and levels of research experience.

The 2014-2015 Task Force members are:

**Teresa Abbruzzese**

Assistant Professor, Urban Studies, LA&PS

**Christopher Ardern**

Associate Professor, School of Kinesiology and Health Science  
Research Scientist, Southlake Regional Health Centre

**Stephen Alsop**

Professor, Faculty of Education and Department of Science and Technology Studies, Faculty of Science and  
Coordinator of the Graduate Diploma in Environmental/Sustainability Education

**Richard Bello**

Associate Professor, Geography, LA&PS and  
Chair, York University Advisory Committee on Northern Studies  
Coordinator, Environmental Science Program

**Christopher Bentley**

Ph.D. Candidate, Faculty of Education and  
Chair, President's Sustainability Council Student Sub-Committee

**Kean Birch**

Assistant Professor, Business and Society Program, LA&PS

**Jennifer Foster (Chair of Task Force)**

Associate Professor, Faculty of Environmental Studies and  
Coordinator, Urban Ecologies Program

**Ian Garrett**

Assistant Professor, Department of Theatre, Faculty of Fine Arts

**Atifa Karim**

BES Candidate, Faculty of Environmental Studies

**Carla Lipsig-Mummé.**

Professor, Work and Labour Studies, LA&PS;  
Director, Work in a Warming World (SSHRC CURA); and  
Director, Adapting Canadian Work and Workplaces to Respond to Climate Change (SSHRC Partnership)

**Sushanta Mitra**

Professor and Chair of Mechanical Engineering, Lassonde School of Engineering and  
Kaneff Professor in Micro and Nanotechnology for Social Innovation

**Joanna Robinson**

Assistant Professor, Sociology, Glendon College

**Catriona Sandilands**

Professor, Faculty of Environmental Studies and Former Canada Research Chair in Sustainability and Culture

**Chandra Sharma**

Watershed Specialist, Etobicoke-Mimico and Senior Manager, Climate Programs Toronto and Region Conservation Authority

**Sapna Sharma**

Assistant Professor, Department of Biology, Faculty of Science

Barbara Edwards serves as the Executive Support from the Office of the VPRI.

### 3. Vision for Sustainability Research

The Task Force developed a vision statement for sustainability research that reflects York's unique history, interdisciplinarity and mandate. This vision statement was developed to help understand how sustainability research is currently constituted at York and to help guide the overall direction of sustainability research in the future. The vision is intended as both a projective and practical means of approaching sustainability research, something that can help identify not only the distinct character of existing research but also possibilities for future research.

*Our vision is that sustainability research generates knowledge that integrates the social, cultural, economic and environmental dimensions of complex challenges at scales ranging from local to global. This interdisciplinary approach emphasizes creativity and collaboration in order to advance research, action and innovation in social, economic and environmental justice.*

## **II. ORGANIZATIONAL APPROACH OF THE TASK FORCE**

### **1. Meetings and communication**

The Task Force met seven times between September 2014 and February 2015 [**\*\*to be updated in April 2015\*\***]. Meetings were conducted in person, with some members participating via remote means such as teleconference and webcast. The Task Force also maintains a website at: <http://taskforce.info.yorku.ca>, which communicates basic information about the mandate, announcements, membership and reports, as well as an electronic portal for public input.

### **2. Preparing the Report**

The Task Force has engaged in a two-phase consultative process.

#### Phase 1

Phase 1 was conducted from September 2014 to February 2015. It included presentations to and consultations with: Faculty Councils; the Council of Research Directors; the President's Sustainability Council; the Senate's Academic Policy, Planning and Research Committee; Deans; and Associate Deans Research.

The meetings during Phase 1 had five objectives:

- Introduce the Task Force and its work;
- Solicit early input to the Task Force's work;
- Build awareness of the ongoing work;
- Engage with York members on their sustainability research perspectives; and
- Prepare the York community to participate in Phase 2.

Since September, an online portal has also been accessible to York members who wish to convey their input electronically.

#### Phase 2

Phase 2 of the consultative process will begin two weeks after the Task Force's draft report is released. The same groups consulted during Phase 1 will be revisited in order to obtain feedback on the draft report. Phase 2 will also include meetings and discussions with student groups, external partners and an open forum where York members can contribute their input.

The consultation during Phase 2 has five objectives:

- Gather feedback on the draft report;
- Request edits (additions or deletions of members and descriptions) to the internal inventory;

- Solicit recommendations from York's internal and external community for future directions in sustainability research;
- Integrate community input into the final version of the Task Force report Phase 3; and
- Prepare the Task Force's final report for submission to the Vice President for Research and Innovation by the end of April 2015.

### **3. The Working Groups**

Two working groups were organized to conduct an inventory of current sustainability research and partnerships. The first working group sought to identify York's current sustainability research and researchers across all Faculties. The second working group conducted a scan of present external partnerships and potential partners for the future.

- The Internal Inventory Working Group is composed of T. Abbruzzese, K. Birch, J. Foster, and S. Mitra.
- The External Scan Working Group for Current and Potential Partnerships is composed of R. Bello, C. Sandilands, C. Sharma, and S. Sharma.

In the process of carrying out their work, the Task Force members gained significant additional knowledge about the history, funding and growing influence of sustainability research at York. This information provides the context for our recommendations in this Report. A larger picture emerged in two specific areas: (a) the background and structures of sustainability research, and (b) recent growth.

## **III. SUSTAINABILITY RESEARCH AND PARTNERSHIPS AT YORK**

### **1. York University's Internal Inventory**

In order to develop a coherent sense of the range and character of sustainability research at York, the Task Force assembled an inventory of Faculty members. This process involved an online review of all faculty profiles in relation to the vision of sustainability developed by the Task Force. A preliminary inventory was circulated to all Associate Deans Research for further suggestions. The draft inventory is attached to this draft report as Appendix 1. As part of the Phase 2 consultative process, we also welcome recommendations from the broader York community for additional names and research areas of faculty who are conducting sustainability research.

The internal inventory of sustainability research can be updated on a regular basis and reflects the rich diversity of sustainability research across York. Limitations to developing the draft inventory include limited access to information about student research in sustainability, incomplete or outdated faculty profiles, and scarce information about research conducted by contract faculty. Despite

these limitations, the inventory identified more than 260 York researchers as undertaking sustainability research. Sustainability research at York is distinctly interdisciplinary and reflects collaborations that generate knowledge and advance solutions for current problems.

The Task Force identified a number of significant theme areas in sustainability research across different Faculties and disciplinary approaches. A sample of prominent themes includes (alphabetically):

- Alternative energy systems
- Arts-based sustainability initiatives
- Business and sustainability
- Climate policy
- Community-based initiatives for low-carbon transition
- Ecological economics
- Ecological ethics and philosophies
- Ecology and environmental science
- Environmental humanities
- Environmental justice
- Environmental law
- Green management
- Human-animal studies
- Northern communities
- Social strategies for responding to climate change
- Urban sustainability
- Work and climate change

We define a theme as significant if it has a combination of the following attributes:

- It has an identifiable group of researchers who currently work together;
- It comprises members of an ORU or major research program;
- It may involve community initiatives over a period of time; and/or
- It involves researchers from two or more Faculties who may have received or are applying for external funding, may have received external (disciplinary, national, international) recognition, and may link their research to teaching, research training, or experiential learning.

The researchers that work in these theme areas generate new knowledge on sustainability, generate funding for research, attract new sustainability scholars and community partners and contribute to education and training.

## **2. External Scan of Sustainability Partnerships and Funding Opportunities**

The external scan had two key objectives. The first was to identify innovative sustainability research at York, including how it is funded, carried out and applied. In consultation with Faculty Research Officers, the working group contacted researchers at York who have used innovative and collaborative approaches to highlight key examples of sustainability research and partnerships (selected profiles will be included in the final report). The second objective was to conduct a scan of external granting agencies and funding opportunities available at the local, regional, provincial, national and international scales. While the working group was not able to achieve an all-encompassing scan, the goal was to provide guidance on potential opportunities for funding and partnerships. A list of potential external funding opportunities is provided in Appendix 2.

### **IV. RECOMMENDATIONS**

The following recommendations are proposed as means to promote and foster York's research strengths in the area of sustainability. The recommendations are organized into themes that reflect connections, communication strategies and funding. The recommendations are presented as initiatives and actions that could be implemented over the short term (12 months), medium term (1 to 3 years) and longer term (3+ years).

#### **1. Connection:**

##### *Short-term*

- i. Develop a comprehensive inventory of sustainability research at York that will be updated regularly and available to York members.

##### *Medium-term*

- ii. Establish a York-wide Organised Research Unit focusing on environment and sustainability. This Sustainability Institute will support four to six research hubs that reflect the range of York's disciplinary and interdisciplinary strengths, including exploratory and problem-oriented research as well as areas in which York's research on sustainability is expanding. These hubs will be the sub-units of the Institute's structure and governance. Funding for the Institute will be the responsibility of York's central administration.
- iii. Dedicate physical space to the Sustainability Institute for collaborative research purposes and social interaction, including student space.
- iv. Emphasize York's strengths in the area of internationalization to connect to global issues.
- v. Connect York sustainability research with universities and centres of excellence for sustainability research globally, including establishing an international York campus.

- vi. Create an interdisciplinary sustainability certificate and/or field course abroad for students during the spring/summer terms.
- vii. Foster private, public and not-for-profit collaborations to advance sustainability research.
- viii. Team with York's immediate community to build strategies for justice and sustainability.

#### *Long-term*

- ix. Launch York University Press as a publishing, distribution and retail press with a specialty focus on sustainability research, including at least one refereed journal.
- x. Establish an online, open access sustainability journal that is internationally peer reviewed.

## **2. Communication:**

#### *Short-term*

- i. Develop an ongoing communications strategy that profiles sustainability research and events at York, including through social media, workshops, brown bag talks, etc.
- ii. Create an electronic portal that profiles York's strengths in sustainability research.

#### *Medium-term*

- iii. Host an annual international interdisciplinary sustainability research conference that stimulates debates and discussions related to York's vision of sustainability research and connects scholars at York with broader communities at local, regional, national and global scales.
- iv. Cultivate media partnerships to promote York sustainability research and dialogue.

## **3. Funding:**

#### *Medium-term*

- v. Prioritize central funding support for sustainability research at York through the creation of a sustainability fund that provides seed funding or matching funds for both exploratory and applied sustainability research at York.
- vi. Ensure funding support for the Sustainability Institute, including logistical, capital, and ongoing support.
- vii. Establish Research Chairs in Environment and Sustainability.
- viii. Create mechanisms to attract top graduate students focusing on sustainability, including scholarships.
- ix. Establish an endowment fund for a lecture series in sustainability, similar to the Massey Lecture Series.



## APPENDIX 1

FES		
RESEARCHER	EMAIL	INTERESTS
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Martin Bunch	<a href="mailto:bunchmj@yorku.ca">bunchmj@yorku.ca</a>	ecosystem approaches to problem solving, adaptive management; systems thinking; ecohealth
Mora Campbell	<a href="mailto:moracamp@yorku.ca">moracamp@yorku.ca</a>	environmental ethics & philosophy, phenomenological & narative methods; time and environmental thought
Ravi de Costa	<a href="mailto:rdc@yorku.ca">rdc@yorku.ca</a>	indigenous politics, policy, reconciliation, rights, conflict & alliances; environmentalist/Indigenous conflicts & alliances
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Bill Found		
Ph.D STUDENTS		
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Aidan Dahlin Nolan	<a href="mailto:aidan.dahlinnolan@gmail.com">aidan.dahlinnolan@gmail.com</a>	performance as a mode and object of literacy education as well as desire to investigate possible "points of contact" between performance and environmental education.

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Ryley Beddoe	<a href="http://lassonde.yorku.ca/users/ryleybeddoe">http://lassonde.yorku.ca/users/ryleybeddoe</a>	Interaction and influence between climate change and landslide risk
Ahmed Eldyasti	<a href="http://lassonde.yorku.ca/users/ahmedeldyasti">http://lassonde.yorku.ca/users/ahmedeldyasti</a>	Waste-to-Energy (WtoE) processes; Greenhouse Gases (GHGs) emissions from wastewater treatment processes
Magdalena Krol	<a href="http://lassonde.yorku.ca/users/magdalenakrol">http://lassonde.yorku.ca/users/magdalenakrol</a>	Innovative groundwater remediation technologies; Green roof design
Jit Sharma	<a href="http://lassonde.yorku.ca/users/jitsharma">http://lassonde.yorku.ca/users/jitsharma</a>	Sustainable geotechnics
<b>MECHANICAL ENGINEERING</b>		
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Sushanta Mitra	<a href="http://mntl.apps01.yorku.ca/">http://mntl.apps01.yorku.ca/</a>	Integrated water management; Water quality; Fuel Cells
<b>EARTH &amp; SPACE SCIENCE ENGINEERING</b>		
Costas Armenakis	<a href="http://costas-armenakis.lab.yorku.ca/15-2/first-page/">http://costas-armenakis.lab.yorku.ca/15-2/first-page/</a>	innovative geospatial applications to address emerging issues and knowledge-based decision making,

Mark Gordon	<a href="http://lassonde.yorku.ca/articles/esse-department-welcomes-new-faculty-member-mark-gordon">http://lassonde.yorku.ca/articles/esse-department-welcomes-new-faculty-member-mark-gordon</a>	Environmental air borne pollutant monitoring
Christian Haas	<a href="http://www.ualberta.ca/~chaas/">http://www.ualberta.ca/~chaas/</a>	Arctic climate system and ecosystem
Mary-Ann Jenkins	<a href="http://www.physics.yorku.ca/index.php?option=com_content&amp;view=article&amp;id=92%3Ajenkins&amp;catid=42&amp;Itemid=68">http://www.physics.yorku.ca/index.php?option=com_content&amp;view=article&amp;id=92%3Ajenkins&amp;catid=42&amp;Itemid=68</a>	carbon auditing
Tom McElroy	<a href="http://larss.science.yorku.ca/">http://larss.science.yorku.ca/</a>	ozone and climate science as well as air pollution research
John E. Moores	<a href="http://www.yorku.ca/jmoores/jmoores.html">http://www.yorku.ca/jmoores/jmoores.html</a>	estimates of the methane content of the martian atmosphere from exogenous sources
Peter Taylor	<a href="http://lassonde.yorku.ca/users/petertaylor">http://lassonde.yorku.ca/users/petertaylor</a>	wind energy studies
Jim Whiteway	<a href="http://www.physics.yorku.ca/index.php/who-we-are/all-faculty/118-whiteway">http://www.physics.yorku.ca/index.php/who-we-are/all-faculty/118-whiteway</a>	cloud physics; climate; ozone; Martian atmosphere.

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Stepan Wood	swood@osgoode.yorku.ca	corporate social responsibility, sustainability, voluntary standards, climate change, and env. law

<u>LIBRARIES</u>		
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<b>SCIENCE</b>		
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<b>ADJUNCT FACULTY</b>		
Shao-Meng Li		Air Quality Process Research, contributing to the SMOG scientific understanding

<b><u>MATHEMATICS &amp; STATISTICS</u></b>		
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<b><u>BIOLOGY</u></b>		
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<b>AMPD</b>		
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Brenda Longfellow	brendal@yorku.ca	SSHRC funded interactive web documentary OFFSHORE <a href="http://offshore-interactive.com/site/">http://offshore-interactive.com/site/</a>
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James McKernan	mckernan@yorku.ca	Sustainable Staging and Arts Production
Ken Rogers	kr Rogers1@yorku.ca	intersection of labor, attention, political economy, art practice, and digital media
Judith Rudakoff	rudakoff@yorku.ca	Common Plants project - <a href="http://www.yorku.ca/gardens/">http://www.yorku.ca/gardens/</a>
<b>Ph.D STUDENTS</b>		
Sally Morgan		MES from York, Earning PhD in Dance, Environmental/Place-Based Educator



Aidan Dahlin Nolan		performance as a mode and object of literacy education as well as desire to investigate possible "points of contact" between performance and environmental education.
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<b>HEALTH</b>		
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<b>School of Nursing</b>		

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<b><u>GENDER, SEXU. &amp; WOM.</u></b>		
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Neill, Deborah	dneill@yorku.ca	European Colonialism, History of Medicine, humanitarianism, globalization, food and drink

Podruchny, Carolyn	carolynp@yorku.ca	The meeting of Europeans, particularly French, and indigenous peoples, particularly Algonquian-speakers, in the North American fur trade. I focus on cultural, social, gender, labour, and environmental questions.
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<b><u>IT</u></b>		
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WORK & LABOUR STUDIES		
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<b>SAMPLE THESES</b>			
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<b>Doctoral dissertations</b>			
Bieler, Andrew Theodore Cecil	Communication & Culture, Joint Program with Ryerson University	Exhibiting Climate Change: An Examination of the Thresholds of Arts- Sciences Collaborations in the Context of Learning for a Sustainable Future	2014
Biglari, Javad Sadeghzadeh	Economics	Essays On Productivity and Resource Reallocation	2014
Degroot, Dagomar Sebastiaan	History	The Frigid Golden Age: Experiencing Climate Change in the Dutch Republic, 1560-1720	2014
Holmes, Mark Robert	Environmental Studies	Testing the Implications of an Integrated Rural Tourism Framework for the Niagara Wine Region	2014
Lamb, Vanessa Anne	Geography	Ecologies of Rule and Resistance: Making Knowledge, Borders and Environmental Governance at the Salween River, Thailand	2014
Lebel, Sabine	Communication & Culture	The Life Cycle of the Computer: A Study in the Materialities of Risk	2014
Rosa, Vanessa Anne	Sociology	Remaking the Nation-State: Multiculturalism, Neoliberalism, and Urban Revitalization	2014
Shrimali, Ritika	Geography	Spaces of Corporate Control in Agriculture: A Critical Study of Contract Farming in the Indian State of Punjab	2014
Watson, Andrew	History	Poor Soils and Rich Folks: Household Economics and Sustainability in Muskoka, 1850-1920	2014
Yoreh, Tanhum Siah	Humanities	The Jewish Prohibition Against Wastefulness: The Evolution of an Environmental Ethic	2014
Zylberberg, David	History	Plants and Fossils: Household Fuel Consumption in Hampshire and the West Riding of Yorkshire 1750-1830	2014
<b>Masters theses</b>			
Mair, David Graeme	Geography	Boundaries, Narrative Frames, and the Politics of Place in Public Housing Redevelopment: Exploring Toronto's Don Mount Court/Rivertowne	2014

Upward, Antony	Environmental Studies	Towards an Ontology and Canvas for Strongly Sustainable Business Models: A Systemic Design Science Exploration	2014
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**APPENDIX 2**

<b>YORK UNIVERSITY EXTERNAL SUSTAINABILITY RESEARCH SCAN</b>			
<b>Entity/Project</b>	<b>Scope- Global/National/Local</b>	<b>Theme /Sector - Social/Env/Economic/ Science/</b>	<b>Website</b>
Aboriginal Fund for Species at Risk	National	Environmental	<a href="https://www.ec.gc.ca/financement-funding/default.asp?lang=En&amp;n=923047A0-1">https://www.ec.gc.ca/financement-funding/default.asp?lang=En&amp;n=923047A0-1</a>
Atlantic Ecosystem Initiatives	Provincial/Regional	Environmental	<a href="https://www.ec.gc.ca/financement-funding/default.asp?lang=En&amp;n=923047A0-1">https://www.ec.gc.ca/financement-funding/default.asp?lang=En&amp;n=923047A0-1</a>
Aboriginal Healing Foundation	National	Social	<a href="http://www.ahf.ca/">http://www.ahf.ca/</a>
Alberta Ecotrust	Regional	Environmental	<a href="http://albertaecotrust.com/2014/">http://albertaecotrust.com/2014/</a>
Bill and Melinda Gates Foundation	International	Education, Technology, Global Health	<a href="http://www.gatesfoundation.org/">http://www.gatesfoundation.org/</a>
Bullitt Foundation	Regional (Pacific Northwest)	Environmental	<a href="http://www.bullitt.org/">http://www.bullitt.org/</a>
Burlington Community Foundation	Local	Social, Environmental, Economic, Sustainability	<a href="http://www.burlingtonfoundation.org/about-us">http://www.burlingtonfoundation.org/about-us</a>
Canada Cultural Investment Fund	National	Social, Cultural	<a href="http://www.pch.gc.ca/eng/1268609659093">http://www.pch.gc.ca/eng/1268609659093</a>
Canada First Research Excellence Fund	National	Environmental	<a href="http://actionplan.gc.ca">actionplan.gc.ca</a>
Canada Foundation for Innovation	National	Sustainability, Innovation	<a href="http://www.innovation.ca/en/AboutUs">http://www.innovation.ca/en/AboutUs</a>
Canadian Geological Foundation	National	Science	<a href="http://www.canadiangeologicalfoundation.org/">http://www.canadiangeologicalfoundation.org/</a>
Canadian Women's Foundation	National	Social	<a href="http://www.canadianwomen.org/our-story">http://www.canadianwomen.org/our-story</a>

Caterpillar Foundation	International	Environmental	<a href="http://www.caterpillar.com/en/company/caterpillar-foundation.html">http://www.caterpillar.com/en/company/caterpillar-foundation.html</a>
Chatham Kent Community Foundation	Local	Social, Environmental, Economic, Sustainability	<a href="http://www.chathamkentcommunityfoundation.ca/">http://www.chathamkentcommunityfoundation.ca/</a>
Clean Energy Fund	National	Innovative	
Climate Change Adaptation Fund	Local	Environmental	<a href="http://climatechange.gov.ns.ca/content/adaptation_fund%20">http://climatechange.gov.ns.ca/content/adaptation_fund%20</a>
Columbia Institute	National	Social	<a href="http://www.columbiainstitute.ca/">http://www.columbiainstitute.ca/</a>
Columbian Basin Trust	Regional	Environmental, Social, Economic	<a href="http://www.cbt.org/Funding/">http://www.cbt.org/Funding/</a>
Commonwealth Foundation	International	Cultural, Social, Economic	<a href="http://www.commonwealthfoundation.com/">http://www.commonwealthfoundation.com/</a>
Community Foundation of Canada	National	Economic, Leadership	<a href="http://www.community-fdn.ca/">http://www.community-fdn.ca/</a>
Community Interaction Program - St. Lawrence Action Plan	Regional	Environmental	<a href="https://www.ec.gc.ca/financement-funding/default.asp?lang=En&amp;n=923047A0-1">https://www.ec.gc.ca/financement-funding/default.asp?lang=En&amp;n=923047A0-1</a>
Cottonwood Foundation	International	Environmental, Cultural, Social	<a href="http://www.cottonwoodfdn.org/">http://www.cottonwoodfdn.org/</a>
Dreamcatcher Foundation	National	Aboriginal, Social, Cultural, Economic	<a href="http://www.dcfund.ca/">http://www.dcfund.ca/</a>
Drummond Foundation	National	Social, Health	<a href="http://www.drummondfoundation.ca/">http://www.drummondfoundation.ca/</a>
Earth Run Foundation	National	Sustainability, Environmental	<a href="http://earthrun.com/">http://earthrun.com/</a>
Eastern Ontario Development Program	Regional	Economic	<a href="http://www.feddevontario.gc.ca/eic/site/723.nsf/eng/01878.html">http://www.feddevontario.gc.ca/eic/site/723.nsf/eng/01878.html</a>
ecoENERGY for Renewable Power	National	Innovative	<a href="http://www.nrcan.gc.ca/energy/funding/programs-funding/12400">http://www.nrcan.gc.ca/energy/funding/programs-funding/12400</a>

ecoENERGY Innovation Initiative	National	Innovative	<a href="http://www.nrcan.gc.ca/energy/funding/programs-funding/12400">http://www.nrcan.gc.ca/energy/funding/programs-funding/12400</a>
EJLB Foundation	National	Neuroscience, Environmental	<a href="http://www.ejlb.qc.ca/">http://www.ejlb.qc.ca/</a>
Environmental Damages Fund	National	Environmental	<a href="https://www.ec.gc.ca/financement-funding/default.asp?lang=En&amp;n=923047A0-1">https://www.ec.gc.ca/financement-funding/default.asp?lang=En&amp;n=923047A0-1</a>
Fluor	International	Environmental	<a href="http://www.fluor.com/sustainability/community/fluor_giving/Pages/default.aspx">http://www.fluor.com/sustainability/community/fluor_giving/Pages/default.aspx</a>
Forzani Group Foundation	National	Health, Wellness	<a href="https://www.fglsports.com/">https://www.fglsports.com/</a>
Gainey Foundation	National	Environmental	<a href="http://www.gaineyfoundation.com/">http://www.gaineyfoundation.com/</a>
Gairdner Foundation	International	Biomedical	<a href="http://www.gairdner.org/">http://www.gairdner.org/</a>
George Cedric Metcalf Charitable Foundation	National	Environmental, Social, Economic	<a href="http://metcalffoundation.com/">http://metcalffoundation.com/</a>
Great Lakes Sustainability Fund - Water	Regional/Provincial	Environmental	<a href="https://www.ec.gc.ca/raps-pas/default.asp?lang=En&amp;n=F328E319-1">https://www.ec.gc.ca/raps-pas/default.asp?lang=En&amp;n=F328E319-1</a>
Green Municipal Fund	Local	Economic	<a href="http://www.fcm.ca/home/programs/green-municipal-fund/">http://www.fcm.ca/home/programs/green-municipal-fund/</a>
Habitat Stewardship Program for Species at Risk	National	Environmental	<a href="https://www.ec.gc.ca/financement-funding/default.asp?lang=En&amp;n=923047A0-1">https://www.ec.gc.ca/financement-funding/default.asp?lang=En&amp;n=923047A0-1</a>
Heritage Canada The National Trust	National	Social	<a href="https://www.heritagecanada.org/en/resources/find-funding">https://www.heritagecanada.org/en/resources/find-funding</a>
Ivey Foundation	National	Environmental	<a href="http://www.ivey.org/">http://www.ivey.org/</a>
J.W. McConnell Family Foundation Fund	National	Social	<a href="http://www.mcconnellfoundation.ca/en/about/grantmaking-philosophy/sustainability">http://www.mcconnellfoundation.ca/en/about/grantmaking-philosophy/sustainability</a>
James S. McDonnell Foundation	International	Environmental, Sustainability	<a href="https://www.jsmf.org/">https://www.jsmf.org/</a>

Lake Simcoe/South-eastern Georgian Bay Clean-Up Fund	Provincial/Regional	Environmental	<a href="https://www.ec.gc.ca/financement-funding/default.asp?lang=En&amp;n=923047A0-1">https://www.ec.gc.ca/financement-funding/default.asp?lang=En&amp;n=923047A0-1</a>
Lake Winnipeg Basin Stewardship Fund	Provincial/Regional	Environmental	<a href="https://www.ec.gc.ca/financement-funding/default.asp?lang=En&amp;n=923047A0-1">https://www.ec.gc.ca/financement-funding/default.asp?lang=En&amp;n=923047A0-1</a>
Minor Foundation	International	Climate Change	<a href="http://www.minor-foundation.no/">http://www.minor-foundation.no/</a>
National Conservation Plan – National Wetland Conservation Fund	National	Environmental	<a href="https://www.ec.gc.ca/financement-funding/default.asp?lang=En&amp;n=923047A0-1">https://www.ec.gc.ca/financement-funding/default.asp?lang=En&amp;n=923047A0-1</a>
Program of Energy Research and Development (PERD)	National	Innovative	<a href="http://www.nrcan.gc.ca/energy/funding/programs-funding/12400">http://www.nrcan.gc.ca/energy/funding/programs-funding/12400</a>
RBC Community Sustainability Projects	National	Social, Environmental, Science, Economic, Innovation	<a href="http://www.rbc.com/community-sustainability/apply-for-funding/">http://www.rbc.com/community-sustainability/apply-for-funding/</a>
Science Horizons Youth Internship Program	Local/Regional/Provincial	Social	<a href="https://www.ec.gc.ca/financement-funding/default.asp?lang=En&amp;n=923047A0-1">https://www.ec.gc.ca/financement-funding/default.asp?lang=En&amp;n=923047A0-1</a>
Sustainable Development Technology Canada	National	Innovation	<a href="http://www.sdtc.ca">www.sdtc.ca</a>
TD Green Streets Program	Local	Environmental	<a href="https://treecanada.ca/en/">https://treecanada.ca/en/</a>
The Actuarial Foundation of Canada	National	Risk Management	<a href="http://www.afc-fac.ca/">http://www.afc-fac.ca/</a>
The Alva Foundation	National	Health, Social	<a href="http://www.alva.ca/">http://www.alva.ca/</a>
The Brainerd Foundation	National	Environmental, Sustainability	<a href="http://www.brainerd.org/">http://www.brainerd.org/</a>
The Brian Bronfman Family Foundation	National	Social	<a href="http://www.bronfman.ca/home.php">http://www.bronfman.ca/home.php</a>

The Canadian Race Relations Foundation	National	Race Relations	<a href="http://crrf-fcrr.ca/en/component/lexicontent/404-articles/23446-welcome">http://crrf-fcrr.ca/en/component/lexicontent/404-articles/23446-welcome</a>
The Cora Foundation	National	Social (Children's issues)	<a href="http://www.chezcora.com/our-company/cora-fondation">http://www.chezcora.com/our-company/cora-fondation</a>
The David and Lucile Packard Foundation	International	Climate Change	<a href="http://www.packard.org/">http://www.packard.org/</a>
The Rockefeller Foundation	International	Environmental	<a href="http://www.rockefellerfoundation.org/">http://www.rockefellerfoundation.org/</a>
The Salamander Foundation	National	Environmental	<a href="http://www.salamanderfoundation.org/">http://www.salamanderfoundation.org/</a>
The Virtual Foundation	International	Environment, Sustainable Development,	<a href="http://www.virtualfoundation.org/">http://www.virtualfoundation.org/</a>
UPS Foundation	International	Energy Conservation, Reforestation	<a href="http://www.community.ups.com/the-ups-foundation/">http://www.community.ups.com/the-ups-foundation/</a>
W. Garfield Weston Foundation	National	Environmental	<a href="http://www.westonfoundation.org/">http://www.westonfoundation.org/</a>
Wildlife Habitat Canada	National	Environmental, Conservation	<a href="http://www.whc.org/">http://www.whc.org/</a>