

TRU Sustainability Research Inventory

Sustainability research is research that leads toward solutions that simultaneously support social wellbeing, economic prosperity, and ecological health. It includes academic research that:

- Explicitly addresses sustainability and/or furthers our understanding of the interconnectedness of social, economic and environmental issues;
- Contributes directly toward solving one or more major sustainability challenge (e.g. contributes toward achieving principles outlined in the Earth Charter); and/or
- Engages community members with the aim of combining knowledge and action to achieve positive social, economic and environmental outcomes (e.g. participatory and community-based research and engaged scholarship)

The following inventory includes names of TRU faculty members who have engaged in sustainability research in the last three years (2011 to 2014). Some faculty members may be missing due to the difficulty at times of tracking down whether or not they engaged in sustainability research. In the column ‘Type of Research’ is either one specific research publication or presentation they have written or made, or the general type of research they are interested in. Some faculty members have been involved in more than one publication or presentation, but for the purposes of this inventory, each faculty member is only listed once.

Researcher(s)	Faculty	Type of Research
Sharman Learie	Faculty of Adventure, Culinary Arts and Tourism	Research interests focus on watershed and environmental conservation through participation in paddle sports to promote a stewardship connection with the natural world.
Terry Palechuk	Faculty of Adventure, Culinary Arts and Tourism	Areas of interest are wilderness travel, canoeing, ski touring and avalanche education.
Billy Collins	Faculty of Adventure, Culinary Arts and Tourism	Wallin, M. R., Collins, B., & Hull, J. (2013) It’s Not Just About the Film: Festivals, Sustainability & Small Cities in Events, Society and Sustainability: Critical and Contemporary Perspectives. Routledge, New York. (Ed. Thomas Pernecky and Michael Luck)
Dr. Rob Hood	Faculty of	Research Interests: Rural tourism development; Community development and tourism;

	Adventure, Culinary Arts and Tourism	Outdoor recreation and tourism management; Survey research
Dr. John S. Hull	Faculty of Adventure, Culinary Arts and Tourism	Hull, J. and Sassenburg, U. (2012) Creating new cultural visitor experiences on islands: comparative case studies from Canada and Croatia. <i>Journal of Tourism Consumption and Place</i> Vol. 4. (1) pp. 91-110.
Robin Reid	Faculty of Adventure, Culinary Arts and Tourism	Research interests include urban agriculture and sustainability, community gardens and the arts, gentrification, sense of place and travel in small cities. Robin is currently working with CURA conducting research on the role of community gardens as a form of sustainability in small cities. She is also working with TRU BFA students and community members to document community engagement a Public Produce Project in Downtown Kamloops.
Anne Terwiel	Faculty of Adventure, Culinary Arts and Tourism	Research Interests: Athlete satisfaction and volunteer training at mega-events; Tourism industry business as a generator of economic development for small communities, particularly aboriginal communities; Human Resource Development; Excellence in teaching; High Performance Sport at the Masters Level – contribution to overall quality of life; Sport tourism
Dr. Kellee Caton	Faculty of Adventure, Culinary Arts and Tourism	
Meridith Burles	Faculty of Arts	Moss, A., Racher, F.E., Jeffery, B., Hamilton, C., Burles, M., Annis, R.C. (2012). <i>Transcending Boundaries: Collaborating to Improve Northern Access to Health Services in Manitoba and Saskatchewan</i> . In <i>Health in Rural Canada</i> , J. Kulig & A. Williams (Eds.). Vancouver: UBC Press.
Dr. David MacLennan	Faculty of Arts	2012. Contributed 12 case studies to Bratton and Gold text, <i>Human Resource Management: Theory and Practice</i> (5th edition). New York: Palgrave MacMillan, 2012. The case studies explore the implications of globalization for human resource management
Dr. Lisa Cooke	Faculty of Arts	Cooke, L. 2013. <i>Slowing Things Down: Slow Tourism and the Ethics of Slowness</i> , a review of <i>Slow Tourism: Experiences and Mobilities</i> (Bristol, Buffalo, and Toronto: Channel View Publications, 2012), Fullagar, S., K. Markwell, and E. Wilson (eds). <i>Transfers: Interdisciplinary Journal of Mobility Studies</i> . 3(2): 136-157.
Dr. Karl Hutchings	Faculty of Arts	Sahle, Yonatan, Leah E. Morgan, David R. Braun, Balemwal Atnafu, and W. Karl Hutchings (2013) <i>Chronological and Behavioral Contexts of the Earliest Middle Stone Age in the</i>

		Gademotta Formation, Main Ethiopian Rift. Quaternary International (Available online March 19, 2013).
Dr. David Scheffel	Faculty of Arts	My current research program focuses on the growing political participation of Slovak Roma at the municipal level. It is funded through a standard research grant provided by the Social Sciences and Humanities Research Council of Canada (2012-2015).
Marjanovic, Z.	Faculty of Arts	Marjanovic, Z., Greenglass, E. R., Fiksenbaum, L., & Bell, C. M. (2013). Psychometric evaluation of the Financial Threat Scale (FTS) in the context of the great recession. <i>Journal of Economic Psychology</i> , 36, 1-10. doi: 10.1016/j.joep.2013.02.005
Dr. Kelvin J. "Kelly" Booth	Faculty of Arts	"Bioregionalism and Pragmatism." In <i>Pragmatism and Environmentalism</i> , Hugh P. MacDonald, editor. Rodopi, 2012.
Dr. Terry Kading	Faculty of Arts	Kading, Terry (forthcoming) "The Corporation" and the Politics of Small City Development: Debates at the Local Level (Kamloops, B.C.) (<i>Textual Studies In Canada: Canada's Journal of Cultural Literacy</i>)
Dr. David Hill	Faculty of Arts	Hill, D.J., Kerkez, B., Rasekh, A., Ostfeld, A., Minsker, B., and Banks, M.K. (In Press). Sensing and Cyberinfrastructure for Smarter Water Management: The Promise and Challenge of Ubiquity. <i>Journal of Water Resources Planning and Management</i> .
Kim Naqvi	Faculty of Arts	2014 (in review) Reid, R., Naqvi, K., Waldichuk, T. Place-based Curriculum: Revealing Student Connections with Community through Walking Tours, <i>Western Geography</i> .
Dr. Gilles Viaud	Faculty of Arts	Viaud, G. (Forthcoming) The invisible cities: small cities, quality of life and Canada's urban policy priorities. In Garrett-Petts, W.F. editor: <i>The Small Cities Book II</i> . Vancouver, New Star Books
Dr. Darryl Carlyle-Moses	Faculty of Arts	Selected Publications: [1] Carlyle-Moses DE, Lishman CE* and McKee AJ* (2014). A preliminary evaluation of throughfall sampling techniques in a mature coniferous forest. <i>Journal of Forestry Research</i> (in press).
Dr. Mark Wallin	Faculty of Arts	Caton, K.; Pastoor, C.; Belhassen, Y; Collins, B.; and Wallin, M. R. (2013). Christian Music Festival Tourism and Positive Peace. <i>Journal of Peace Through Tourism</i> . 3.1. http://www.icptr.com/wp-content/uploads/2011/01/Christian-Music-Festival-Tourism-and-Positive-Peace.pdf
Dr. Will Garrett-Petts	Faculty of Arts	Canadian Literature and the Other Arts, Small Cities Research, Rhetoric and Composition, Inter-arts Studies and Visual Culture.
Dr. S. Leigh	Faculty of Arts	Representations of Place and the Natural Environment in Western Canadian Literature

Matthews		(Prairies and British Columbia); Self and Socialization in Women's Literature (both fictional and life-writing); Canadian Literature (esp. pre-1950).
Ernie Kroeger	Faculty of Arts	Over the last several years he has been investigating the relationship between art and walking. These experiments have broadened his art practice to include conference presentations, leading the 2007 Banff Centre residency Walking + Art, co-founding the Walking Lab, an interdisciplinary research group at Thompson Rivers University, and leading guided walks.
Donald Lawrence	Faculty of Arts	Through gallery and landscape-based projects his own artistic and other related research practice explores the meeting place of urban and wilderness culture. Such projects as Kayak/Camera-Obscura and the Underwater Pinhole Photography Project relate his particular interests in sea kayaking and the ocean environment to a long-standing fascination with pre-photographic optical apparatuses.
Colin Lyons	Faculty of Arts	He explores industry through the lens of fragility and impermanence, considering the possibilities after obsolescence, as well as the nature of what we choose to preserve.
Ila Crawford	Faculty of Arts	"An Untold Story: Valuing Women's Contributions to Community Life". A project that examines the roles that women occupy in their lives as homemakers, mothers, business women, and as significant contributors to Kamloops community and public life.
Dr. Russell Currie	School of Business and Economics	Currie, R. R., Wesley, F., & Pandher, G. S. (2014). Contextualizing site factors for feasibility analysis. <i>Journal of Environmental Planning and Management</i> , 57(10), 1484-1493.
Dr. Belayet Hossain	School of Business and Economics	Hossain, B., & Lamb, L. (2014). (accepted). An assessment of the impact of tax incentives relative to socio-economic characteristics on charitable giving in Canada. <i>International Review of Applied Economics</i> .
Dr. Laura Lamb	School of Business and Economics	Hossain, B., & Lamb, L. (2014). (accepted). Aboriginal labour force participation in Canada: consideration of a broader definition of capital. <i>Journal of International Business and Economics</i> .
Latif, E.	School of Business and Economics	(2014). (accepted). The impact of economic downturn on mental health in Canada. <i>International Journal of Social Economics</i> .
Dr. Anne Lavack	School of Business and Economics	Watson, L. & Lavack, A. M. (2014). Using social marketing to encourage the purchase of fuel efficient vehicles. In A. Kapoor & C. Kulshrestha (Eds.), <i>Dynamics of competitive advantage and consumer perception in social marketing</i> (pp. 253-277). Hershey, PA: IGI Global.

Androkovich, R. A.	School of Business and Economics	(2013). British Columbia's agricultural land reserve: Economic, legal and political issues. <i>Land Use Policy</i> , 30(1), 365-372.
Dewan, H.	School of Business and Economics	(2013). A set of sustainability indicators related to high-priority policy issues. <i>The International Journal of Sustainability Policy & Practice</i> , 8(1), 145-156.
Ravi, P.	School of Business and Economics	(2013). Does stakeholder perception of firm's corporate social responsibility affect firm performance? <i>International Journal of Asian Business and Information Management</i> , 4(1), 67-83
Dewan, H.	School of Business and Economics	(2012). A set of sustainability indicators related to high-priority policy issues. <i>International Journal of Environmental, Cultural, Economic and Social Sustainability</i> , 8(1), 145-156.
Prof. Airini	Faculty of Human, Social, and Educational Development	Airini. (2014). Equity, change, and we the university. <i>Argos</i> . Issue 01: The university beside itself. ISSN: 2324-5794. 111-115.
Dr. Kim Calder Stegemann	Faculty of Human, Social, and Educational Development	Calder Stegemann, K.J. (2013). Inclusion and teacher education in the Canadian context. In L. Thomas (Ed.), <i>What is Canadian about Teacher Education in Canada? Multiple Perspectives on Canadian Teacher Education in the Twenty-First Century</i> (pp. 260-274) (2011 Working session). Canadian Association for Teacher Education.
Laura Doan	Faculty of Human, Social, and Educational Development	Doan, L. (2013). <i>Mentoring: A Strategy to Support Novice Early Childhood Educators</i> (In Press).
Dr. Victoria Handford	Faculty of Human, Social, and Educational Development	Victoria Handford and Kenneth Leithwood (2013). Why teachers trust school leaders. <i>Journal of Educational Administration</i> , 51:2, 194-212. Tory Handford and Ken Leithwood (2013). Why Teacher Trust Their Principals. OPC Register.
Dr. Gloria Ramirez	Faculty of Human, Social, and Educational Development	Walton, P., & Ramirez, G. (2012). Reading acquisition with young Aboriginal children. <i>Encyclopedia of Language and Literacy Development</i> , http://literacyencyclopedia.ca/index.php?fa=items.show&topicId=309
Dr. Carol Rees	Faculty of Human,	Rees, C.A., (2014). <i>Developing Awareness of Connections Between Science, Technology</i>

	Social, and Educational Development	and the Environment through Participation in a Game-Like Approach to Curriculum. Brazilian Journal of Research in Science Education (RBPEC). 1(2), in press.
Dr. Patrick Walton	Faculty of Human, Social, and Educational Development	Walton, P. D. (2013). Increasing Indigenous Retention at University with Culturally Safe Practices. Symposium presented at the Canadian Congress Society for Studies in Education, Victoria, Canada, June 2013.
T.W. Dagne	Faculty of Law	Intellectual Property and Traditional Knowledge in the Global Economy: Translating Geographical Indications for Development (Rutledge, 2014)
Nicole Schabus	Faculty of Law	Case Commentary: Tsilhqot'in v. British Columbia, 2014 SCC 44" Environmental Law and Policy, Volume 44, Number 4 (Fall 2014), IOS Press
Petri, D.	School of Nursing	(2014). Returning to RN Practice: Meeting the Student's learning Needs Through Blended Learning. CASN Canadian Nursing Education Conference, Halifax.
Fehr, F.	School of Nursing	(2013). Understanding the Lived Experience of Student-Parents in Undergraduate Nursing School, PhD Dissertation Findings. Journeys in Nursing Scholarship Conference (TRU).
M. Star Mahara	School of Nursing	Holmes, V. & Mahara, S (2012). Approaching Culture Through Equity, Citizenship, and Respectful Relations. Collaboration for Academic Education in Nursing (CAEN). Under the Same Sky: Celebration, Collaboration, and Continuity. [Abstract].
Dr. Susan Duncan	School of Nursing	Mahara, M. S., Duncan, S.M., Whyte, N., Brown, J. (2011). It takes a community to raise a nurse: Educating for culturally safe practice with Aboriginal peoples. International Journal of Nursing Education Scholarship, 8(1), Article 17
Dr Joyce O'Mahony	School of Nursing	O'Mahony, J. M., & Donnelly, T. T. (2013). How does Gender Influence Immigrant and Refugee Women's Postpartum Depression Help-seeking Experiences? Journal of Psychiatric and Mental Health Nursing 20, 714-725
Steven Ross	School of Nursing	Paterson, B., Ross, S., & Gaudet, T. (2014). Motives for meaningful involvement in rural AIDS service organizations. AIDS Care 26(5): 582-586.
Seibel, M.	School of Nursing	(2013). For Us Or Against Us? Perceptions of Faculty Bullying During Undergraduate Nursing Education Clinical Experiences. Journal of Nursing Education in Practice.
Dr. Lynn Baldwin	Faculty of Science	Baldwin, L., Petersen, C., Jones, W.M., Karakatsoulis, J., Black, S. and G.E. Bradfield. Accepted, in press. Bryophyte richness and community patterns across riparian zones

		under different forest canopy treatments. <i>Canadian Journal of Forest Research</i>
Dr. Naowarat (Ann) Cheeptham	Faculty of Science	Cheeptham, N. Sadoway, T., Rule, D., Watson, K., Moote, P., Soliman, L., Azad, N., Donkor, K., Horne, D. (2013) Cure from the Cave: volcanic cave actinomycetes and their potential in drug discovery. <i>International Journal of Speleology</i> . 42(1):35-47.
Dr. Thomas Pypker	Faculty of Science	Research Interests: to improve the ability of the cattle industry and other land managers—including provincial ministries—to mitigate the effect of land use and climate change on fragile grassland habitats.
Dr. Roger Yu	Faculty of Science	Research Interests: Yu is a member of TRU's Centre for Optimization and Decision Science (CODS), a research group that focuses on understanding complex systems through quantitative approaches. The multidisciplinary CODS group, whose work includes both the theoretical study of optimization and applications of optimization to real-world problems, has worked on projects that range from improving the efficiency of medical scheduling to internet data mining.
Dr. Robert Higgins	Faculty of Science	Higgins RJ, Lindgren BS. 2012. The effect of manipulated shading on the colony abundance of two species of ants, <i>Formica aserva</i> and <i>Leptothorax muscorum</i> , in dead wood. <i>Entomologia Experimentalis et Applicata</i> . 143:292-300. DOI: 10.1111/j.1570-7458.2012.01263.x
Dr. Wendy Gardner	Faculty of Science	Research Interests: Grasslands and freshwater ecology.
Dr. Lauch Fraser	Faculty of Science	Harrower, B., Fraser, L.H., Turkington, R. 2013. Grassland trophic dynamics in a changing world. <i>Canadian Society for Ecology and Evolution Bulletin</i> 14: 15-16.
Dr. Jonathan Van Hamme	Faculty of Science	Church J.S., MacIntyre C., Archambault W.R., Moote P.E., Cochran J.L., Durance T.D., Van Hamme J.D. (2012 – in press) Effect of radiant energy vacuum on physical and microbial properties of beef jerky. <i>J. Food Sci. Engineering</i> . http://www.davidpublishing.com/davidpublishing/Upfile/2/27/2013/2013022786104393.pdf
Dr. Louis A. Gosselin	Faculty of Science	Nielsen TV, Gosselin LA (2011) Can a scavenger benefit from environmental stress? Role of salinity stress and abundance of preferred food items in controlling population abundance of the snail <i>Lirabuccinum dirum</i> . <i>Journal of Experimental Marine Biology and Ecology</i> 410: 80-86
Dr. Matt Reudink	Faculty of Science	Munro, K.R.** , N.J. Flood, A.E. McKellar, and M.W. Reudink. 2014. Female mate preference varies with age and environmental conditions. <i>Behaviour</i> 141:2059-2081

Dr. Cynthia Ross Friedman	Faculty of Science	Wang H, Qureshi S, Qureshi B, Qiu J, Ross Friedman C Breuste J, Xiaoke W (accepted November 2013). A multivariate analysis integrating ecological, socioeconomic and physical characteristics to investigate urban forest cover and plant diversity in Beijing, China Urban Forestry & Urban Greening
Dr. Nelaine Mora-Diez	Faculty of Science	RESEARCH INTERESTS: Computational physical organic chemistry; Thermodynamic and kinetic studies of organic systems in the gas phase and in solution; Applications to problems of chemical, environmental, or biochemical importance; Atmospheric and green chemistry. Astrochemistry; Calculation of equilibrium constants; Kinetic studies of organic reactions in the ground and excited states (photochemistry); Excited states of organic molecules
Dr Kingsley Donkor	Faculty of Science	RESEARCH INTERESTS: Analytical and Environmental Chemistry: (1) Capillary electrophoretic and mass spectrometric methods for detection and characterization of antimicrobial peptides particularly lantibiotics. Of particular interest is the study of binding characteristics of metal-lantibiotic complexes and the interaction of lantibiotics with components of cell membranes. The goals of this research effort are: (a) to understand the impact of metal complexation on therapeutic potential of lantibiotics, (b) to determine the binding characteristics of the interaction between lantibiotics and components of bacterial cell membranes, (c) to investigate the mode of action of lantibiotics on target bacteria; (2) Application of chemometric techniques in environmental and agricultural research for the identification of natural and anthropogenic sources of environmental pollution and for classification of agricultural products based on the origins of the constituents; (3) Speciation of air particulate for source apportionment and their health effects.
Dr. Heidi Huttunen-Hennelly	Faculty of Science	Matheson, S.; Cheeptham, N.; Huttunen-Hennelly, H.E.K. Investigating the Effects of Hydrophobicity and Charge on the Therapeutic Ability of the Antimicrobial Histatin 8 Peptide for Potential Use in Oral Applications, International Journal of Biology. 2013, 5, 85-91.
Dr. Faheem Ahmed	Faculty of Science	Khalil, I.M.; Khreishah, A.; Ahmed, F.; Shuaib, K. (2014) Dependable Wireless Sensor Networks for Reliable and Secure Humanitarian Relief Applications, Ad Hoc Networks, Elsevier Science, Vol. 13, No. 94-106. (Impact Factor = 2.110)
Dr. Andrew Park	Faculty of Science	E. Hwang, A. Park, A. Sixsmith, and G. Gutman, "The Virtual Environment in Communication of Age-Friendly Design." Technology for Active Aging, A. Sixsith, G. Gutman (eds). Springer, US. Vol. 9, pp. 155-168 (2013).

Dr. John Church	Faculty of Science	Turner, T. D., Pilfold, J. L., Jensen, J., Prema, D., Donkor, K. K., Van Hamme, J. D., Cinel, B., Galbraith, J. K., and J. S. Church. 2014. Fatty acid profiles of western Canadian bison (<i>Bison bison</i>) meat. <i>Journal of Food Research</i> . 3(6): 146-155.
Dr. Brian Heise	Faculty of Science	Heise, B.A., and M.L. Herborg. 2012. Ecology and control of invasive fishes in British Columbia. Invited talk during the symposium "Building linkages between invasive species and restoration". <i>Restoration 2012: Beyond Borders</i> . Joint meeting of the Washington & BC Chapter of the American Fisheries Society and the NW and BC Chapters of the Society for Ecological Restoration. May 15-18, 2012. Victoria, BC.
Nelaine Mora-Diez, PhD	Faculty of Science	Research Focus: computational physical organic chemistry and its applications to environmental, pharmaceutical or biochemical problems. http://faculty.tru.ca/nmora/index.htm
John Church, PhD	Faculty of Science	Research Focus: The exploration of innovative practices and technologies aimed at increasing sustainability and enhancement of the cattle industry. http://kamino.tru.ca/experts/home/main/bio.html?id=jchurch
Dr. Karl Larsen	Faculty of Science	RESEARCH INTERESTS: My work primarily has involved terrestrial vertebrates, but I am as concerned with the question behind the research as I am with the type of animal being studied. Much of my work has investigated limits and constraints on populations, often in terms of the movement ecology and dispersal of animals. After finishing my PhD, I worked for several years as a wildlife ecologist for a forest company in northern Alberta. My research there centered on understanding how wildlife populations and communities were structured by fire-generated landscape patterns, and this provided me with valuable experience in the area of applied ecology. In 1997, I came to the Department of Natural Resource Sciences at Thompson Rivers University in Kamloops. Since then, I have continued my research into more theoretical areas of ecology, but I also have found myself increasingly drawn into the realm of wildlife management and conservation ecology, due in no small part to the increasing need for this type of work in our region.