# TRU Sustainability Research Inventory 2010-11

The following is an inventory of Thompson Rivers University research faculty who conduct sustainability research at the University for the 2010-11 academic year*. The inventory was created via a combination of self-identification, and a thorough search of the TRU website.

## Sustainability Research Definition:

"Sustainability research examines the ecological, economic, social, health and cultural forces affecting local and global sustainability. Research considered sustainable contributes to building solutions for societies by meeting the needs of the present without compromising those of the future. The knowledge creation, technical expertise, and awareness that results from this research aims to shed light on sustainability issues. Diverse methodologies can be used to achieve these outcomes, including multidisciplinary and interdisciplinary."

## Departments with Sustainability Research:

**Faculty of Arts**
English & Modern Languages:
Geography
Journalism
Philosophy, History, & Politics
Psychology
Sociology & Anthropology
Visual & Performing Arts

**School of Business & Economics**
Economics
Master of Business Administration

**Faculty of Human, Social, & Educational Development**
Social Work

**Faculty of Law**
Law

**School of Nursing**
Nursing

**Faculty of Science**
Agriculture
Architecture, Digital Art, Electronics, and Engineering
Biological Science
Math
Master of Science
Natural Resource Science
Physical Science

**School of Tourism**
Management
Culinary Arts

**School of Trades & Technology**
Trades & Technology

| Researcher | Department | Research |
|---|---|---|
| Will Garrett-Petts | English & Modern Languages | Quality of life and culture in small cities |
| Darryl Carlyle-Moses | Geography | Forest and Agricultural Hydrology & Meteorology |
| Gilles Viaud | Geography | Quality of life in small cities, Sustainable labour markets in small cities |
| Michael Campbell | Geography | GIS applications in Biogeography, Human-wildlife relations |
| Ross Nelson | Geography | Development in small cities in BC and Sweden |
| Tom Waldichuk | Geography | Rural-Urban Fringe, Agriculture in Japan |
| Shawn Thompson | Journalism | Endangered Orangutans: the effect of deforestation |
| Bruce Baugh | Phil, Hist, Politics | Walking, space, and place |
| Catherine Ortner | Psychology | Exposure to natural environments on psychological functioning |
| David Scheffel | Sociology & Anthropology | Ethnic micropolitics and poverty in Europe |
| Dawn Farough | Sociology & Anthropology | Social inequality, women and globalization |
| James Hoffman | Visual & Performing Arts | Community engagement in small cities, Postcolonial applications |
| Michael Mehta | | Environmental Sociology |
| Jane Birkbeck | Social Work | Globalization and human rights, South Asia; workplace equity and equality of outcome |
| Julie Drolet | Social Work | Climate Change, disasters and Sustainable Development |
| Wendy Hulko | Social Work | Socio-cultural context of dimentia, Aboriginal and First Nations care capacity and wellness |
| Barbara Patterson | Nursing | Disease management in Aboriginal patients |
| Penny Powers | Nursing | Sustainability in hospitals |
| John Church | Agricultural Related | Sustainability and enhancement of the cattle industry |
| Jianzhong Gu | Arch DigiArt, Electron, Eng | Sustainable Buildings |
| Cynthia Ross Freidman | Biological Science | The preservation of forest ecosystems. |
| Jonathan Van Hamme | Biological Science | The development of biocatalysts to aid in the degradation of environmental pollutants |
| Louis Gosselin | Biological Science | The ecology of early juvenile marine invertebrates relating to population management in native and introduced species. |
| Lyn Baldwin | Biological Science | Natural and Anthropogenic disturbances affect plant communities and conservation |
| Narowarat Cheeptham | Biological Science | Microbial diversity and the search for useful natural and biochemical products, with an emphasis on antibacterial and antifungal compounds. |
| Lauch Fraser | Master of Science | Community Ecology |
| Dave Tomkins | Math | Global Warming and Decision Making |
| Don Noakes | Math | Impacts of salmon farms upon wild salmon |
| Roger Yu | Math | Applications of Graph Theory to conservation of wetlands |
| Brian Heise | Natural Resource Science | Effects of various land use practices on aquatic ecosystems, particularly streams |
| John Karakatsoulis | Natural Resource Science | Plant succession following human disturbance |
| Karl Larsen | Natural Resource Science | The ecology of mammals, reptiles and amphibians, particularly dispersal in juveniles and conservation |
| Kevin Bladon | Natural Resource Science | The effects of increased frequency and severity of natural and anthropogenic disturbances on hydrologic processes, water quantity, water quality, and aquatic ecology. |
| Kingsley Donkor | Physical Science | Chemometric techniques for identifying sources of pollution |
| Nelaine Mora-Diez | Physical Science | Computational physical organic chemistry and applications to environmental problems. |
| Sharon Brewer | Physical Science | Water quality monitoring, Environmental Chemistry |
| Hasnat Dewan | Economics | Sustainable Human Development, Environmental and Natural Resource Economics |
| Laura Lamb | Economics | Community Economic Development, Behavioural Economics related to Climate Change and evnvironmental policies |
| Peter Tsigaris | Economics | Environmental Economics |
| Robert Androkovich | Economics | Environmental and Natural Resource Economics, Land preservation |
| Andrew Fergus | MBA | Environmental Management and Sustainable Development |
| Ed Walker | Culinary Arts | 100 mile diet |
| Robin Reid | Management | Sustainability Education and Engagement |
| Hank Bangma | Trades & Tech | Net zero homes |
| Marty Old | Trades & Tech | Solar plumbing |
| Steve Benoit | Trades & Tech | Solar panels |
| Sharon Mascher | Law | The sustainable use and management of resources, domestic legal frameworks to mitigate greenhouse gas emissions |

*This list will be updated in the future. If you know of any TRU research faculty whose research meets the definition of sustainability above, or would like to suggest changes, please contact Andrew Pillar apillar@tru.ca