

MIKE BRKLACICH
CURRICULUM VITAE (ABBREVIATED)

CO-ORDINATES

Title & University Affiliation	Professor Emeritus Department of Geography & Environmental Studies Carleton University 1125 Colonel By Drive Ottawa, Ontario K1S 5B6 CANADA
Email	mike.brklacich@carleton.ca

EDUCATION

PhD (1989) University of Waterloo, Canada (Geography).
MA (1980) University of Guelph, Canada (Geography and Centre for Resources Development).
BSc (Honours) (1976) Trent University, Canada (Geography).

ACADEMIC APPOINTMENTS

Department of Geography and Environmental Studies, Carleton University, Ottawa, Canada.
Professor Emeritus (2022-present).
Professor (2002-2021).
Chancellor's Professor (2014-2019).
Associate Professor (1995-2002).
Assistant Professor (1992 -1995).
United Nations University for Peace, San Jose, Costa Rica
Senior Fellow (2006-2012).

UNIVERSITY MANAGEMENT (at Carleton University, Canada)

Associate Dean (2015-2020) Research, Graduate Studies & International Affairs, Faculty of Arts and Social Sciences.
Associate Dean (2014) Programs and Awards, Faculty of Graduate and Post-Doctoral Affairs.
Chair (2006-2012) Department of Geography and Environmental Studies.
Program Co-ordinator (1997-1998) Environmental Studies.

RESEARCH FUNDING, MANAGEMENT AND APPOINTMENTS (Since 2000)

Volunteer & Project Lead with Academics Without Borders (2022-2025)

- The Early Career Researcher - Uganda project (2022-2024).
- Igniting Excellence in Research Capacity Building at Karatina University, Kenya (2024-25)

Co-PI (2021-2023) Enhancing Food System Resilience. PI: Dr John Ingram, Food Systems Transformation Programme Leader Environmental Change Institute, University of Oxford, UK. Funded by OECD, Co-operative Research Programme: Biological Resource Management

for Sustainable Agricultural Systems.

Inaugural PI and Project Lead (2017-2018) and Co-PI (2019-2021) Societal Transformation and Climate Change. A joint project with the University of Ghana (Ghana), Mzuzu University (Malawi) and The Nelson Mandela African Institution of Science and Technology (Tanzania). Funded by the Universities Canada, Queen Elizabeth Scholars Program.

PI and Project Lead (2015-2018) Agriculture, Labour and Gender Equity: The Role of Biochar. A joint project with Key Farmers Cameroon (Cameroon) and Viresco Solutions (Canada). Funded by the International Development Research Centre (Canada).

Co-PI (2009-2013) Adaptation and Vulnerability of Agriculture and Communities to Climate Change and Variability: Co-construction of Local and Regional Actions and Policies. A joint project led by the University of Montreal and with McGill University. Funded by the Social Science and Humanities Research Council (Canada).

PI and Project Lead (2007-2008) Enhancing the Capacity of Canadian Rural Communities to Adapt to Uncertain Futures. A joint project with Simon Fraser University, University of Ottawa and Memorial University (Canada). Funded by Natural Resources Canada, Climate Change and Impacts – Adaptation Program (Project A1234).

PI and Project Lead (2005-2007) A Comparative Assessment of the Capacity of Canadian Rural Communities to Adapt to Uncertain Futures. A joint project with Simon Fraser University and University of Saskatchewan (Canada). Funded by Natural Resources Canada, Climate Change and Impacts – Adaptation Program (Project A1397).

Chair (2006-2008) & Member (2002-2006) Scientific Advisory Committee, Inter-American Institute for Global Environmental Change, Sao Jose dos Campos, Brazil.

PI and Project Lead (2003-2005) Southern Africa Vulnerability Initiative. A joint project with Witwaterstrand University (South Africa) and Center for International Climate Research - CICERO (Norway). Funded by International Council for Science (France) & International Human Dimensions Program (Germany).

Vice-Chair (2001-2006) Executive Committee, Global Environmental Change and Food Systems (GECAFS) Project. A Joint Project of International Geosphere-Biosphere Program (Sweden), International Human Dimensions Program (Germany) and World Climate Research Program (Switzerland).

PI (2002-2005) Global Environmental Change and Human Dimensions International Project Office Support. Funded by Proctor & Gamble (Canada).

Chair (2001-2005) & Member (1999-2001) Global Environmental Change and Human Security (GECHS) Project: A Core Project of the International Human Dimensions Project (Germany).

PI (2001-2004) Socio-Economic Vulnerability and Adaptability of Agriculture To Climate Change. Funded by the Social Science and Humanities Research Council (Canada).

PI (2000-2001) Impacts of Climate Change on Canadian Agriculture: An Evaluation of Impact Assessment Methods. Funded by Natural Resources Canada - Canadian Climate Change Action Fund.

CONTRIBUTIONS TO THE INTERGOVERNMENTAL PANEL ON CLIMATIC CHANGE

IPCC was co-awarded the Nobel Peace Prize in December 2007.

Review Editor: IPCC Assessment Report 5, Working Group 2, *Impacts, Adaptation and*

Vulnerabilities (2014), Chapter 19, Emergent Risks and Key Vulnerabilities (pp 1039 – 1099).
www.ipcc.ch/site/assets/uploads/2018/02/WGIIAR5-Chap19_FINAL.pdf

Lead Author: IPCC Assessment Report 4, Working Group 2, *Impacts, Adaptation and Vulnerabilities* (2007), Chapter 14, North America (pp 617-652).
www.ipcc.ch/site/assets/uploads/2018/02/ar4-wg2-chapter14-1.pdf

Contributing Author: IPCC, Working Group 2, *Special Report on Regional Impacts* (1998), Chapter 8, North America (pp 253-330).

Contributing Author: IPCC, Working Group 2, Second Assessment Report, *Impacts, Adaptation and Vulnerabilities: Scientific-Technical Analysis*, (1996), Chapter 13, Agriculture in a Changing Climate: Impacts and Adaptation (pp 427-467).

Canadian Delegate: IPCC, Working Group 3, Scoping Meeting (1993).

PUBLICATIONS AND REPORTS SINCE 2000

Ingram, J., Bellotti, W., Brklacich, M. *et al.* 2023 *Further concepts and approaches for enhancing food system resilience*. **Nature Food** <https://doi.org/10.1038/s43016-023-00762-5> ((First published on-line on 31 May 2023).

Brklacich, M, Daniels, E & Vinke, C. 2018 **Agriculture, Labour and Gender: The Role of Biochar**. Project Final Report prepared for IDRC (Project Number: 107718-00020799-028)

Brklacich, M & Woodrow, M 2016 *Agricultural Adaptation to Changing Environments: Lessons Learned from Farmers in Eastern Ontario, Canada*. In Bryant, CR., Sarr, MA., Délusca, K (Eds.) **Agricultural Adaptation to Climate Change**, Springer (pp13-26) DOI 10.1007/978-3-319-31392-4_2

Ngo, M & Brklacich, M 2013 *New Farmers' Efforts to Create A Sense of Place in Rural Communities: Insights from Southern Ontario, Canada* **Journal of Agriculture and Human Values**. (doi: 10.1007/s10460-013-9447-5) (First published on-line in May 2013)

Fast, S., Brklacich, M. & Saner, M. 2011 *A Geography-Based Critique of New US Biofuels Regulations* **Global Conservation Biology: Bioenergy** (doi: 10.1111/j.1757-1707-2011.01131.x).

Sander-Regier, R., Mcleman, R., Brklacich, M., & Woodrow, M. 2010. *Planning for climate change in Canadian rural and resource-based communities*. **Environments**, 37(1), 35-57.

Chazan, M., Brklacich, M. & Whiteside, A 2009 *Rethinking the Conceptual Terrain of AIDS Scholarship: Lessons from Comparing 27 years of AIDS and Climate Change Research*. **Globalization and Health** 5:12 doi:10.1186/1744-8603-5-12

Brklacich, M., Chazan, M. & Bohle, H. 2010 *Human Security, Vulnerability and Global Environmental Change*. In Matthew, R and MacDonald, B. (eds) **Global Environmental Change and Human Security** MIT Press. (pp 35-51)

Wallace, I. & Brklacich, M. 2010 *Agriculture and Rural Resources*. In B. Mitchell (ed) **Resource and Environmental Management in Canada: Addressing Conflict and Uncertainty** (4th edition) Oxford University Press, Toronto (pp 274-297).

Oborsteiner, M., Stafford-Smith, M., Hiepe, C., Brklacich, M. & Rudder, W. 2010 *Green Food Systems for 9 Billion* In Ingram, J., Ericksen, P. and Liverman, D (eds) 2010 **Food Security and Global Environmental Change** Earthscan, Washington (pp 301-317)

Chazan, M., Brklacich, M. & Whiteside, A 2009 *Rethinking the Conceptual Terrain of AIDS*

- Scholarship: Lessons from Comparing 27 years of AIDS and Climate Change Research.*
Globalization and Health 5:12 doi:10.1186/1744-8603-5-12
- Brklacich, M., Woodrow, M., McLeman, R., & Vodden, K. 2008 **Enhancing the Capacity of Canadian Rural Communities to Adapt to Uncertain Futures**. Prepared for Canadian Climate Impacts and Adaptation Program, Project A1397, Natural Resources Canada, Ottawa.
- Brklacich, M. & Woodrow, M. 2007 A Comparative Assessment of the Capacity of Canadian Rural Resource-based Communities to Adapt to Uncertain Futures. Prepared for Canadian Climate Impacts and Adaptation Program, Project A1234, Natural Resources Canada, Ottawa.
- Tiessen, H. Brklacich, M. Breulmann, G. & Menzes, R. (eds) 2007 **Linking the Sciences of Global Environmental Change to Society and Policy**. SCOPE 68, Island Press, Washington.
- Brklacich, M., Brown, I., Campos, E., Krusche, A, Lavell, A., Liu, K., Jimenez-Osornio, J, Reyes-Knoche, S. & Wood, C. 2007 *Stakeholders and Global Environmental Change Science*. In Tiessen, H. et al (pp21-34).
 - Brklacich, M., Chazan, M. & Dawe, A. 2007 *Vulnerabilities of societies under global environmental change*. In Tiessen, H, (pp73-87)
- Brklacich, M., Wall, E., Smit, B. & Wandel, J. 2007 *Impacts-Based Approaches*. In E. Wall, B.Smit & J. Wandel (eds) (2007) **Farming in a Changing Climate: Agricultural Adaptation in Canada**, University of British Columbia Press. (pp13-31)
- Brklacich, M. & Bohle, H-G. 2006 Assessing Human Vulnerability to Climatic Change. In Kraft, T and Ehlers, E. (eds) 2006 **Earth System Science in the Anthropocene: Emerging Issues and Problems**. Springer Verlag (pp51-61).
- Ingram, J. and Brklacich, M. Global Environmental Change and Food Systems GECAFS: A New Interdisciplinary Research Project. In Kraft, T and Ehlers, E. (eds) 2006 **Earth System Science in the Anthropocene: Emerging Issues and Problems**. Springer Verlag (pp215-228).
- Brklacich, M. (2006) Advancing Our Understanding of the Vulnerability of Farming to Climate Change. **Die Erde** 137(3):181-198.
- Gregory, P., Ingram, J. & Brklacich, M. 2005 Climate Change and Food Security. **Philosophical Transactions of The Royal Society B** 360(1463):2139-2148.
- Ingram, J., Gregory, P & Brklacich, M. (2005) **Global Environmental Change and Food Systems: Science Plan and Implementation Strategy**, Earth System Science Partnership (IGBP, IHDP, WCRP, DIVERSITAS), Report No.2, Wallingford.
- Matthew, R. Brklacich, M. & McDonald, B. 2004 Analyzing, Environment, Conflict and Cooperation. In United Nations Environment Program **Understanding Environment, Conflict and Cooperation**. Division of Early Warning and Assessment, Nairobi, Kenya (pp 5-15).
- Ingram, J. & Brklacich, M. 2002 Global Environmental Change and Food Systems - GECAFS: A new, interdisciplinary research project. **Der Erde** 133:427-435.
- M. Brklacich & J. Oucho 2001 Water, Human Health & Well-being. In J. Gash, E. Odada, L. Oyebande & R. Schulze (eds) **Freshwater Resources in Africa**. Proceedings of a Workshop, Nairobi Kenya, October 1999. BAHC International Project Office, Potsdam. (pp 43-48).

- Brklacich, M., Bryant, C., Veenhof, B. & Beauchesne, A. 2000 Agricultural adaptation to climatic change: A comparative assessment of two types of farming in Central Canada In H. Millward, K.B. Beesley, B. Ilbery and L. Harrington (eds.) **Agricultural and Environmental Sustainability in the New Countryside**. Halifax: Saint Mary's University Press. (pp 40-51)
- Bryant, C., Smit, B., Brklacich, M., Johnston, R., Smithers, J., Chiotti, Q., and Singh, B. (2000) Adaptation in Canadian Agriculture to Climatic Change and Variability. **Climatic Change** 45(181-201).

OTHER SERVICE TO THE PROFESSION (Since 2010)

Evaluation of Research & Academic Programs: Lead External Consultant

- Office of the Auditor General (Canada) (2016-2017): Yukon Climate Change.
- Wilfred Laurier University, Canada (2015): Geography Programs.
- International Development Research Centre, Canada (2014): Vulnerability and Adaptation to Climate Extremes in the Americas (VACEA), a 5-year initiative of the International Research Initiative on Adaptation to Climate Change.
- York University, Canada (2010 - 2011): Geography Programs.

Evaluation of Research Funding Applications: Adjudication Panel Member

- International Research Development Centre, International Doctoral Research Awards (2024)
- Universities Canada, Canadian Queen Elizabeth II Diamond Jubilee Scholarships program (2023)
- Ontario (Canada) Ministry of Economic Development, Job Creation & Trade: Evaluation of Early Career Research Awards (2016, 2017, 2018).
- International Research Development Centre (Canada). In conjunction with SSHRC, NSERC and CIHR: Evaluation of International Research Initiative on Adaptation to Climate Change (2009-2010).
- Inter-American Institute for Global Change Research (Brazil).
 - Collaborative Research Network 3 (2012).
 - Small Grants Program for Human Dimensions (2006).
 - Collaborative Research Network 2 (2005).
 - Small Grants Program (2002, 2007).

Evaluation of Applications for Research Funding, Promotion and Tenure, and for Canada Research Chair Funding: External Consultant

- Canada - Social Science and Humanities Research Council (2012, 2016, 2017, 2019, 2023).
- Canada - Natural Science and Engineering Council (2016).
- Canada Research Chairs – College of Reviewers
 Years: 2013, 2015, 2018, 2019, 2022
 Institutions: Guelph, Montreal, Regina, Toronto
- German Aerospace Center (2016).
- Rutgers University (2003, 2013).
- University of Waterloo (2016, 2018).
- University of Toronto (2017, 2019).
- Wilfred Laurier University (2015).

**RESEARCH THESES SUPERVISIONS OR CO-SUPERVISOR
Advisory Committees excluded.**

Life-Time Totals

Level	Completed	In-Progress
Doctoral	8	1
Masters	25	0
Bachelors	44	0

Graduate Supervisions – Completed Since 2000

* Denotes student from the Global South

Doctoral Level

- C Rehbein 2022 Landscape Analysis in Environmental Impact Assessment: Is There Potential to Improve Biodiversity Conservation through Better-Informed Decisions? (Co-supervision with S. Mitchell).
- B. Mburu* 2016 Understanding Smallholder Farmers’ Food Security and Institutional Arrangements in View Of Climate Dynamics: Lessons From The Mt. Kenya Region.
- T. Nguyen* 2016 Community Resilience, Disaster Risk Reduction and Climate Change Adaption: Learning with Coastal Communities in Central Vietnam.
- C. Hunsberger 2012 Great Aims, Small Gains: Jatropha-Based Biofuels and Competing Discourses of Development in Kenya.
- M. Chazan 2011 Mobilizing Grandmotherhood: Possibilities of Global Connections.
- JC LeVallee 2006 Achieving Food Security Through Food System Resilience: The Case of Belize.
- P Steenhof 2006 Operationalizing Clean Development Mechanism Baselines: A Case Study of China’s Electrical Sector.

Masters Level

- T Hall 2018 Advancing Reconciliation? Inclusion of Indigenous Peoples and Perspectives in the Mackenzie River Basin Transboundary Agreements.
- A Foster 2017 Ecosystem Services Analysis: Mapping and Measuring Two Centuries of Anthropogenic Impacts on the Alfred Bog in Ontario, Canada. (Co-supervision with M Richardson).
- A Neil 2015 Uncertainty in Climate Change Discourse: An Examination of Regional Canadian Newspapers.
- A. Sperl 2013 Climate Change Denial in Canada: An Evaluation of the Fraser Institute and Friends of Science Positions.
- E. Drummond 2012 Global Governance and Food Security Discourses: The FAO and the Via Campesina.
- M. Ngo 2011 The Place of Food: Constructing a Sense Of Place Among New Urban-Oriented Farmers Living and Working In Rural Farming Communities in Southern Ontario

- K. Hildahl 2011 Linking Gender and Climate Change Mitigation: A Case Study of a Global Environment Facility Small Grants Programme Project in Ecuador.
- P. Millinga* 2009 Conflicting Land Use and Management Strategies in the Ngorongoro Conservation Area of Northern Tanzania.
- S. Fast 2008 On the Need to Incorporate Regional Variation in Life Cycle Assessment of Biofuels: A Comparison E5 and Gasoline Fuels in Two Regions in Ontario, Canada.
- M. Street 2008 The Influence of Public Participation on Freshwater Management: An Examination of the Regional Municipality of Waterloo, Canada's Water Efficiency Master Plan Update.
- E. Gilmour 2007 A Woman's Work: Exploring Gender Roles in Agriculture in Charikar, Afghanistan.
- L. Gilbert 2006 An Evaluation of Environmental Impact Assessment in Barbados.
- M. Chazan 2005 Negotiating Human Health in a Rapidly Changing Urban Environment: HIV and AIDS Vulnerabilities among Street Traders in Warwick Junction, Durban, South Africa.
- D. Rubenstein 2004 Federal Governance Regimes for Ocean Ecosystems in Canada: Accountability Within Collaborative Management Regimes.
- H. Donohoe 2004 Sustainable Skiing: A North American Environmental Program Evaluation.
- M. Rahman* 2003 The Continuing Gender/Environment Debate: Gender Implications of Policy Responses to Environmental Change.
- G. Ortega-Alarie* 2001 Contemporary Approaches to Natural Resource Management: Collaborative Management and Reforestation Activities in the Municipality of El Castillo, Rio San Juan, Nicaragua.
- MA Strong 2001 Municipal Climate Change Action: A Case Study of the City of Ottawa's "Task Force on the Atmospheric Action Plan".
- T. McRae 2000 Accounting for the Relationship of Agricultural Land to Economic and Ecological Welfare: Conceptual Framework and Case Study in the Grand River Basin of Ontario, Canada.