

Brent Murray Swallow

Curriculum Vitae, April 2024

Summary:

Dr. Brent Swallow is Professor of Agricultural and Resource Economics at the University of Alberta. Brent grew up on a Saskatchewan farm and earned his B.S.A. and M.Sc. degrees from the University of Saskatchewan and his PhD from the University of Wisconsin-Madison. Between 1991 and 2009, Dr. Swallow was a research scientist at the International Livestock Research Institute and a program leader and principal scientist at the World Agroforestry Centre, both based in Nairobi, Kenya. He has research experience in Canada, the United States and many developing countries. He joined the University of Alberta in 2009 and was Chair of the Department of Resource Economics and Environmental Sociology from 2009-2014. He has served as a board trustee and advisor for a number of governments as well as international and local organizations.

Dr. Swallow has studied the nexus between agricultural development and environmental management throughout his career. He is well recognized for conceptual contributions, empirical studies, and syntheses of evidence for policy. He has worked most on two sets of issues: (1) social institutions – property rights, collective action, payments for ecosystem services governing the use and management of agricultural land, water and forests; and (2) determinants and dynamics of poverty, well-being and women’s empowerment. His current h-index is 46 (Google Scholar) and 21 (Scopus). He teaches an introductory course in agri-food systems, a third-year course on the economics of world food and agriculture, a fourth-year course in environmental policy, and a specialized graduate course in development economics. He has won awards for graduate student supervision and four recent students have won major awards for outstanding MSc theses.

Contacts:

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Education:

Ph.D. Agricultural Economics, University of Wisconsin-Madison, 1991; Majors: Resource Economics, Development Economics; GPA: 3.85/4.00; Thesis: *Common Property Regimes for African Rangeland Resources*, supervised by Professor Daniel Bromley.

M.Sc. Agricultural Economics, University of Saskatchewan, 1983; Major: Agricultural Marketing; GPA: 3.7/4.0; Thesis: *Policy Analysis of Canadian/Japanese Trade of Rapeseed and Rapeseed Products*, supervised by Professors Gary Storey and John Spriggs.

B.S.A. Agricultural Economics (Honours), University of Saskatchewan, 1981.

Employment:

2009 to present: Professor
Department of Resource Economics and Environmental Sociology,
University of Alberta

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| 2022 to 2023: | Associate Department Chair and Graduate Coordinator |
| 2009 to 2014: | Department Chair Department of Resource Economics and Environmental Sociology, University of Alberta, Edmonton, Alberta, Canada. |
| 2007 to 2009: | Global Coordinator, ASB Partnership for the Tropical Forest Margins (ASB), World Agroforestry Centre (ICRAF), Nairobi, Kenya |
| 2003 to 2009: | Principal Scientist and Theme Leader for Environmental Services, World Agroforestry Centre, Nairobi, Kenya |
| 1998 to 2003: | Senior Scientist & Programme Leader of Natural Resource Strategies and Policies, World Agroforestry Centre, Nairobi, Kenya |
| 1991 to 1998: | Agricultural Economist, International Livestock Research Institute (ILRI), Nairobi, Kenya |
| 1987 to 1991: | Research Assistant University of Wisconsin-Madison, Madison, Wisconsin |
| 1984 to 1987: | Research Associate, University of Saskatchewan, Saskatoon, Canada and Research Fellow, National University of Lesotho, Lesotho |
| 1983 to 1984: | Research Associate, Department of Agricultural Economics, Virginia Polytechnic Institute and State University, Blacksburg, Virginia |
| 1981 to 1983: | Research Assistant, Department of Agricultural Economics, University of Saskatchewan, Saskatoon, Canada. |

Teaching Portfolio:

Awards for Teaching and Supervision:

Teaching Wall of Fame, Faculty of Agricultural, Life and Environmental Sciences, University of Alberta, 2017 / 18.

Mentor of the Year, Business Cooperative Education, University of Alberta, 2017.

Graduate Student Supervisor Award. Graduate Student Association, University of Alberta, March 2015.

Graduate Student Mentor Award. Faculty of Agriculture, Life and Environmental Sciences, University of Alberta, March 2024.

Major Awards to Supervised Graduate Students:

Thesis co-supervisor of Monica Shandal, Awardee of Outstanding Masters Thesis Award, Canadian Agricultural Economics Society (CAES), 2020

Thesis co-supervisor of Yangzhe Cao, Awardee of Outstanding Masters Thesis award, Canadian Agricultural Economics Society (CAES), 2019.

Thesis co-supervisor of Maria Montenegro, Awardee of Outstanding Masters Thesis Award, Agricultural and Applied Economics Association (AAEA) and Outstanding Masters Thesis Award, Canadian Agricultural Economics Society (CAES), 2017.

Thesis co-supervisor of David Kaczan, Awardee of Outstanding Masters Thesis Award, Agricultural and Applied Economics Association (AAEA), 2012 and Outstanding Masters Thesis Award, Canadian Agricultural Economics Society (CAES), 2012.

Instructor:

AREC 173, Plate, Planet and Society. Winter 2010, Winter 2011, Winter 2012, Fall 2012, Fall 2013, Fall 2015, Fall 2016, Fall 2017, Fall 2018, Fall 2019. (Mean student numbers: 53)

AREC 375 / INTD 303. Economics of World Food and Agriculture, University of Alberta, Winter 2014, Winter 2016, Winter 2017, Winter 2018, Winter 2019 ((Mean student numbers: 31)

ENCS 473. Environmental Policy. University of Alberta, Winter 2016, Winter 2017, Winter 2018, Winter 2019, Winter 2020. ((Mean student numbers: 37)

AREC 500. Advanced Topics in Development Economics. University of Alberta: Taught Winter 2010, Winter 2012, Fall 2015. (Mean student numbers: 1)

Current Graduate Student Supervision:

Bahati, Innocent (MSc in progress). Impacts of positive attitude on mindset and development outcomes.

Poissant, Julia (MSc in progress). Assessing resource rights and food self-efficacy in the Inuvialuit Settlement Region.

Brackett, Sarah (MSc in progress). Effects of positive attitude on women's empowerment in Tanzania.

Ejekwuipe, Sarah (MSc in progress). Interactions of hope, self-efficacy and aspirations in rural Tanzania.

Johnson, Joren (MSc in progress). Cost effective reduction in methane emissions from Alberta feedlots.

Xu, Jiansong (PhD in progress). Consumer and producer responses to methane reduction mandates for beef production in Alberta.

Yuan, Jo. (MSc in progress). How housing affordability and debt affect quality of choices in Alberta.

Graduate students completed in current position at the University of Alberta:

23. Begom, Tamanna (MSc, 2023). Hope and poverty across generations. {Mohapatra/Swallow}.

22. Kobori, Hotaka (MSc, 2023). Effects of COVID-19 on home owners' values for different types of open space. {Swallow/Qiu}. (Current position: Analyst, City of Calgary.)

21. Chorieva, Nargiza (MSc, 2022). The Econometrics of Hope. {Mohapatra/Swallow}. (Current position: Grant program analyst, University of Alberta).

20. Hu, Ziwei (MSc, 2021). Using hedonic pricing and choice experiments to estimate spatial determinants of WTP for farmland conservation in Alberta, Canada. {Mohapatra/Swallow}. (Current position: analyst, Ernst & Young, Hainan, China).

19. Wang, Yichuan (PhD, 2020). How participation influences environmental assessment decisions: Mackenzie Valley, Canada {Swallow}. (Awarded Vanier PhD Scholarship, 2014-17, SSHRC PhD Scholarship, 2017-2019. (Current position, British Columbia Department of Justice).

18. Luo, Yicong (MSc, 2019). *Comparing Willingness-to-pay and Willingness-to-accept Approaches for Valuing Farmland Protection and Conversion in Alberta*. {Swallow} (Current position: Internship at the International Water Management Institute, Colombo, Sri Lanka, beginning February 2020).

17. Shandal, Monica (MSc, 2019). *Women's Power and Agricultural Productivity Relative to Men in Rural India: Two Quantitative Essays*. {Mohapatra/Swallow} (Current position: Research Associate, Innovations for Poverty Action, Poverty Action Laboratory, Lilongwe, Malawi).

16. Budynski, Stephanie (MSc 2019). *The Effects of Policy and Clustering in Alberta's Expanding Microbrewery Industry* {Swallow/Beckie} (Current position: Coordinating Researcher, Agriculture and Forestry, Government of Alberta, Edmonton, Alberta).

15. Cao, Yanghe (MSc 2017). *Identifying the Economic Impacts of a Land-Use Policy: A Case Study of Okotoks, Alberta*. {Swallow/Qiu} (Current position: Senior Client Solutions Analyst at Canadian Western Bank, Edmonton, Alberta).

14. Salat, Mohamud (MSc 2017). *Improved technical efficiency as a climate-smart agricultural practice in Kenya*. {Swallow} (Current position: Canadian Department of Defense, Ottawa, Canada).

13. Wang, Qi (MSc 2016). Farmers' motivations to conserve agricultural land in the Alberta Capital Region. {Swallow} (Current position: Data Engineering Senior Analyst, Accenture, Edmonton, Alberta).

12. Montenegro Guerra, Maria (MSc 2016). *Land Rights and Women's Empowerment In Rural Peru: Insights From Item Response Theory*. {Mohapatra/Swallow} (Current position: Research Analyst, Norquest College, Edmonton, Alberta).

11. Wang, Haoluan (MSc, 2015). *Examination of Agricultural Land Conservation in the Alberta Capital Region, Canada*. {Swallow} (Current position: PhD candidate in Agricultural Economics, University of Maryland, College Park, Maryland.)

10. Zhao, Jinna (MAg., 2015). *A Theoretical Ambiguity Model of Demand for Weather Index Insurance and Implications for Weather Index Insurance Market Development in Developing Countries*. {Swallow} (Current position: not known).

9. Johny, Judit (MSc, 2014). *Social Networks in Rural India*. {Swallow/Wichmann} (Current position: consultant, International Rice Research Institute, New Delhi, India.)

8. Thompson, Yvette D. (MSc, 2014). *Farmers willingness to accept compensation for REDD in Cameroon*. {Swallow/Luckert} (Current position: Executive Advisor, Alberta Environment and Parks, Edmonton, Alberta.)
7. Yoo, Tae Ho (MAG, 2013). *The Value of Remaining Rat-Free for Alberta Residents*. {Swallow} (Current position: not known)
6. Clark, Caryn Lee. (MSc, 2013). *Complexity, Climate Change, HIV / AIDS and Vulnerability*. Department of Environmental Science, Rhodes University, South Africa {S.Shackleton/Swallow}. (Current position: not known).
5. Abu-Basutu, Keitometsi N. (MSc, 2013). *Relative contribution of wild foods to individual and household food security in the context of increasing vulnerability due to HIV / AIDS and climate variability*. Rhodes University, South Africa {S.Shackleton/Swallow}. (Current position: Action Contre La Faim, Harare, Zimbabwe).
4. Shams, Rifat (MSc, 2012). *Socio-cultural impacts of agroforestry improvements in Narsingdi, Bangladesh* {Swallow/Parkins}. (Current position: Programme Analyst, Government of Canada).
3. Schmidt, Caitlin (MSc, 2012). *Farmers' preferences over the attributes of REDD contracts and value chains in Cameroon*. {Swallow/Luckert}. (Current position: Environmental Compliance, Suncor, Fort McMurray, Alberta).
2. Monzur, Mohammed (MAG, 2011). *Farmers' involvement and perceptions of the Alberta greenhouse gas offset system* {Swallow}. (Current position: not known)
1. Kaczan, David (MSc, 2011). *Farmers' preferences over the attributes of PES contracts in the East Usambara region of Tanzania* {Swallow/Adamowicz}. (Current position: Environmental Economist, World Bank Group, Washington, DC).

Visiting graduate students at the University of Alberta:

3. Miao, Yiyuan (PhD in progress). Consumer preferences for milk alternatives in Canada and China. Renmin University (2022).
2. Ma, Ting (PhD in progress, Minzu University of China, Beijing, China). Local livelihood effects of China's conservation policy: case of Sanjiangyuan National Nature Reserve. (2018-19)
1. Tong, Qingmeng (PhD in progress, Huazhong Agricultural University, Wuhan, China). Approaches and Solutions of Climate Smart Agriculture: example of rice production in China. (funded by China Scholarship Council). (2017-2019).

Field Supervision of Graduate Students at other universities:

15. Rantala, Salla. 2013. *Rewards for Habitat Protection Services in the East Usambara Mountains*. PhD in Tropical Forestry. University of Helsinki, Helsinki, Finland. (Current position: Senior Researcher, Finnish Environment Institute, Helsinki, Finland)
14. Vardhan, Mamta. 2011. *Incentives for Watershed Conservation in Forest Landscapes in Tanzania: Implications for Gender and Collective Action*. PhD in Community, Agriculture, Recreation and Resource Studies, Michigan State University, USA. (Current position: Researcher, Alberta Department of Justice, Edmonton, Alberta)
13. Jindal, Rohit. 2011. *Field experiments on payment for environmental services in Tanzania*. PhD in Community, Agriculture, Recreation and Resource Studies, Michigan State University, USA. (Current position: Associate Professor, School of Business, Macewan University, Edmonton, Alberta)
12. Rakshi, Shaika. 2009. *Policies and institutions affecting payments for environmental services in the central highlands of Kenya*. MSc, Environmental Science, State University of New York, Syracuse, New York. (Current position: Program Manager, Climate Change, ICCO, New Delhi, India).
11. Peralta, Alexandra. 2009. *Trees and water availability: choices among evergreen and deciduous species for Nyando watershed, western Kenya*. MSc in Agricultural and Applied Economics, Michigan State University, USA. (Current position: Lecturer, University of Adelaide, Australia)
10. Asamba, Isabella. 2008. *Impacts of Community-Based Water Management in Kericho District, Kenya*. MA in Urban and Regional Planning. Maseno University, Maseno, Kenya. (Current

- position: Programmes Coordinators, School of Planning and Architecture, Maseno University).
9. Onyango, Leah. 2008. *Dynamics of Property Rights and Poverty in the Nyando River Basin, Kenya*. PhD in Urban and Regional Planning. Maseno University, Maseno, Kenya. (Current position: Professor and Department Chair, Maseno University, Maseno, Kenya).
 8. Onyango, Seth Ooko. 2008. *Effects of Human Illness and Death on Agricultural Production: a Case of Nyando and Kericho Districts in Kenya*. MSc in Agricultural Economics. Egerton University, Njoro, Kenya. (Current position: lecturer, University of Nairobi).
 7. Soini, Eija. 2006. *Livelihood, land use and environment interactions in the highlands of East Africa*. PhD in Development Geography, University of Helsinki, Helsinki, Finland. Current position: independent consultant, Finland and Tanzania).
 6. Vardhan, Mamta. 2006. *Determinants and Impacts of Collective Water Management in Kenya's Lower Nyando Basin*. MSc in Community, Agriculture, Recreation and Resource Studies, Michigan State University, East Lansing, Michigan. (Current position: Researcher, Department of Justice, Government of Alberta).
 5. Abraham, Ashita. 2002. *Collective Action for Water Harvesting for Agriculture in the Lake Victoria Basin*. M.Sc. in water resource management, Southampton University, UK. (Current position: not known).
 4. Kamara, Abdul B. 2000. *Property Rights, Risk and Sustainable Development of Livestock Production systems: A case study of the Borana Rangelands of southern Ethiopia*. PhD in Agricultural Sciences, Georg-August University, Göttingen, Germany. (Current position: African Development Bank, Country Director for Ethiopia).
 3. Govere, Jones. 1999. *Impacts of Tsetse and Trypanosomosis Controls on Farming Systems in the Zambezi Valley of Zimbabwe*. PhD in Agricultural Economics, Michigan State University, East Lansing, Michigan, U.S.A. (Current position: Alliance for a Green Revolution, Tanzania).
 2. Tano, Kouadio. 1998. *Genetic Preferences of Smallholders and Trypanotolerant Cattle in Southern Burkina Faso*. PhD in Agricultural Economics and Farm Management, University of Manitoba, Canada. (Current position: Agricultural Economist at Centre Ivoirien Recherches Economiques Sociales).
 1. Mwangi, Damaris. K. 1996. *Socio-Economic Factors Affecting Implementation of Community Managed Tsetse Control in Busia District, Kenya*. PhD in Agriculture. University of Reading, Reading, UK. (Current position: not known).

External Examiner:

- External examiner for PhD thesis, India Institute of Technology, Bhubanesar, India, 2018-2019.
External examiner for PhD thesis defense for student in Renewable Resources, December 2018.
External examiner for PhD Candidacy defense for student in Renewable Resources, February 2018.
External examiner for PhD Candidacy defense for student in Faculty of Law, 9 March 2018.
External examiner of MSc thesis, University of Saskatchewan, 2015.
Opponent to PhD thesis defense at Norwegian University of Life Sciences, 2012.
External examiner of PhD thesis, Charles Darwin University, Australia, 2011.
External examiner of PhD thesis, University of Stellenbosch, South Africa, 2011.
External examiner of PhD thesis by student at University of Western Australia, 2010.
External examiner of MSc thesis by student at McGill University, 2010.
External reviewer of MSc thesis by student at Rhodes University, 2009.
Opponent to PhD thesis defense at University of Helsinki, Helsinki, Finland, 2008.

Service Portfolio:

Service Awards and Honours:

- International Engagement Award, Faculty of Agricultural, Life and Environmental Sciences, University of Alberta, 2017.

President's Achievement Award "Dare to Discover" team award for Learning, Discovery and Citizenship. One of 15 members of the ALES Student Engagement Team. September 2012, University of Alberta.

International service appointments:

World Vision Tanzania. Analysis of the effects of Empowered World View on mindsets, behavior and child well-being outcomes. Beginning May 2019. Attended and facilitated design workshop in Arusha, Tanzania, October 2019.

Trustee, Chair of the Program Oversight Task Group, Member of the Executive Committee, Member of the Joint Working Group on Bioversity / CIAT Alliance, Bioversity International, Rome, Italy, 2014-2019.

Member, Independent Steering Committee, CGIAR research program on Water, Land and Ecosystems, since January 2017.

Member, Development Dividend Task Force. Convened by the International Institute for Sustainable Development, Winnipeg, Manitoba, 2005-2008.

Contributing Author, Millennium Ecosystem Assessment, 2003-2005.

Member, Governing Council for the African Centre for Technology Studies (ACTS), 2001 to 2009; Chair of the ACTS Programme Committee, 2002-9.

Member, Executive Committee of the CGIAR System Wide Programme on Collective Action and Property Rights (CAPRI), 1998 - 2005.

Coordinator, Advisory Group on Socio-economic and Cultural Implications of Trypanosomiasis, United Nations Programme Against African Trypanosomiasis, a Joint Programme Coordinated by Food and Agriculture Organization, AU-IBAR (African Union), World Health Organization and International Atomic Energy Association, 1997-9.

National and local service appointments:

Member, Forest Carbon panel for Alberta Climate Change Office, 2018.

Member, City of Edmonton Climate Change Adaptation Risk and Vulnerability Assessment, 2018.

Member, Executive Committee, Alberta Centre for Sustainable Rural Communities, University of Alberta, 2017 to present.

Member, Edmonton Food Council, June 2013-2016.

Member, Institutional food sourcing working group, Edmonton, 2016 to present.

Member, Climate Change Mitigation Working Group, Alberta Agriculture and Rural Development, 2011-2016.

Advisor, Prince Albert Grand Council, Prince Albert, Saskatchewan. Community perspectives on plans for remediation of the Gunnar uranium mine site (Pro bono, with Y. Wang), 2015.

Professional service appointments:

Member, Selection panel for outstanding MSc thesis, Agricultural and Applied Economics Association, 2016-2018.

External reviewer for faculty promotion packages: University of Guelph (2019), Rhodes University (2017), Utah State University (2015), University of North Carolina (2012).

University of Alberta service appointments:

Member, Executive Committee, General Faculties Council, 2017-2019.

Member, General Faculties Council, 2016-2019.

Member, Martha Piper Research Prize, 2018.

Member, Sustainable Food Working Group, since 2017.

Chair, Department of Resource Economics and Environmental Sociology (REES), 2009-2014.

Chair, Teaching Policy Committee (REES), 2017-2020.

Member, Faculty Evaluation Committee, Faculty of Agricultural, Life and Environmental Sciences, 2009-2014.

Research Portfolio:

Research awards:

International Water Resources Association (IWRA) award for the Best Paper published in the IWRA journal, *Water International*, in 2006. Paper entitled "The Challenges of Inclusive Cross-Scale Collective Action in Watersheds" by B. Swallow, N. Johnson, R. Meinzen-Dick, and A. Knox.

International Association for the Study of the Commons (IASC) award for Best Paper presented at the 2008 biannual meeting for the "paper that does the most to improve understanding of linkages between global and local commons." Paper entitled: "Bylaws and Their Critical Role in Natural Resource Management: Insights from African Experience" by H. Markelova and B. Swallow.

Zayed International Prize for the Environment, 2005. Awarded to the Millenium Ecosystem Assessment (contributing author).

Research Grants:

2024-2027. Co-grantee. "Impacts of high interest rates on market for housing attributes and well-being." Funded by Alberta Real Estate Foundation. Project budget of \$C 159K.

2023-2026. Co-grantee. Measuring methane emissions from cattle feedlots to improve policies for achieving net zero emissions by 2050, funded by Natural Sciences and Engineering Research Council of Canada Alliance Grant, \$C 868,000.

2019-2022. Co-PI. Assessing the impacts of empowered worldview in rural Tanzania. World Vision, \$C 336,992.

2020-21. PI. Assessing tradeoffs associated with land use change in Alberta in a context of climate change. Alberta Real Estate Foundation, C\$50,000.

2019-2020. PI. Governance Frameworks for the Opening and Sharing of Natural Resource Knowledge: Comparison of Forestry and Wetlands in Finland and Western Canada. SAS Grant, Faculty of ALES, University of Alberta. C\$8,100.

2019-2020. PI. Fragmentation and conversion of agricultural land, land use change and environmental service analysis. Alberta Land Institute. C\$33,300.

2018-2019. PI. Governance Frameworks for the Opening and Sharing of Natural Resource Knowledge: Comparison of Forestry and Wetlands in Finland and Western Canada. Strategic Institutional Grant. University of Alberta. \$6,321.

2017-2018. PI. Governance Frameworks for the Opening and Sharing of Natural Resource Knowledge: Comparison of Forestry and Wetlands in Finland and Western Canada. Strategic Institutional Grant. University of Alberta. \$6,600.

2018-19: PI, Coping with pressures of fragmentation and conversion of agricultural land in Alberta. Alberta Real Estate Foundation. C\$50,000.

2017-2200: Collaborator, Governance Frameworks for the Opening and Sharing of Natural Resource Knowledge: Comparison of Forestry and Wetlands in Finland and Western Canada. Academy of Finland. Euro 300,000.

2017-18: PI, Bottom-up policies for local food in Canada. Alberta Agriculture and Forestry, C\$36,000.

2016-19: PI, Farmland Fragmentation and Conversion in Alberta. Funded by the Alberta Land Institute, Calgary Regional Partnership, Max Bell Foundation, Capital Region Board. Total budget C\$130,000.

2015-2021. Collaborator. "Tracking Change - The Role of Local and Traditional Knowledge in Watershed Governance". Social Science and Humanities Research Council Partnership Grant. Co-Applicant. (Led by Brenda Parlee). Budget from SSHRC: C\$2,480,000.

2015. Co-applicant. Indigenous Peoples from the Global Commons: Networking for Social and Environmental Sustainability. (Led by Brenda Parlee), Budget from SSHRC: \$50,000.

2014. PI, Dialogue on International Food Security. IDRC. C\$100,000.
- 2013-16: Co-PI, Economics of Land Fragmentation and Conversion in Alberta. Funded by the Alberta Land Institute. Total budget C\$300,000.
- 2012-15: Joint PI, Collaborative project for graduate research on economic and social aspects of climate change, agriculture and food security. Funded by the Climate Change, Agriculture and Food Security Program, Copenhagen. Total budget C\$300,000.
- 2011-14: Co-PI, Alleviating Poverty and Malnutrition in Agro-Biodiversity Hotspots. Implemented by the MS Swaminathan Research Foundation and the University of Alberta, funded by the Canadian Food Security Research Fund through the International Development Research Centre (IDRC). Total budget C\$5 million, C\$1.38 million to the University of Alberta.
- 2010-2014: Collaborator. Linking poverty, HIV/AIDS and climate change to human and ecosystem vulnerability in Southern Africa: consequences for livelihoods and sustainable ecosystem management. Implemented by Rhodes University and the University of Alberta, funded by the International Development Research Fund (IDRC). Total budget: C\$600,000.
- 2011-13: Co-PI. Health Food Distribution at the University of Alberta Campus. Community-Services Learning Program, University of Alberta. \$10,000 / year.
- 2012-15: PI. Banting Post-Doctoral Fellowship Grant to support Rohit Jindal. C\$70,000 / year. Social Science and Humanities Research Council.
- 2010-12: PI. Survey of Alberta farmers' behavior and attitudes toward carbon offset contracts. Funded by the Linking Environment and Agriculture Research Network, C\$10,000.
- 2000-8: Coordinator, European Union support for policy research at ICRAF (Approx. US\$500,000 /year).
- 2007-10: PI, *Pro-poor Rewards for Environmental Services in Africa*. Funded by the International Fund for Agricultural Development (US\$1 million for 4 years).
- 2006-10: Supervisor, Associate Experts in biodiversity and spatial analysis supported by financial assistance from the Finland Ministry of Foreign Affairs (US\$300,000 per year).
- 2006-7: PI, *Sustaining the Values of Ecosystem Services in the Lake Victoria Basin: Harmonizing Poverty Reduction and Environmental Management Objectives*, funded by the United Nations Environment Programme (US\$100,000 for 1 year).
- 2006: PI, *Pantropical Scoping Study of Compensation for Ecosystem Services*, funded by the International Development Research Centre (US\$300,000 for 1 year).
- 2004-2007: PI for Kenya component. *SCALES – Sustaining Inclusive Collective Action across Economic and Ecological Scales*, funded by the Water and Food Challenge Programme (US\$800,000 over 3 years, with US\$80,000 to ICRAF).
- 1998-2004: Coordinator, Danida support for policy research at ICRAF (Approx US\$120,000 / year).
- 2003-5: PI, *Safeguarding the Rights of the Poor to Critical Land, Water and Tree Resources in the Nyando Basin of Western Kenya*, funded by the Comprehensive Assessment of Water Management in Agriculture (US\$100,000 over 3 years).
- 2002-3: PI, *Voices of the Livestock Poor in the Lake Victoria Basin*, funded by UK Department for International Development (US\$100,000 over 2 years).
- 1999-2003: Coordinator, *Improved Land Management in the Lake Victoria Basin*, funded by the Swedish International Development Agency (SIDA) (US\$2,300,000 over 5 years).
- 1996-9: Co-PI, *Property Rights, Risk and Sustainable Livestock Development*, funded by BMZ (Germany) (US\$1,000,000 over 3 years).
- 1995-2000: Co-PI, *An Integrated Approach to the Assessment of Trypanosomiasis Control Technologies and Their Impacts on Agricultural Production, Human Welfare and Natural Resources in Tsetse-Affected Areas of Africa*, funded by the International Fund for Agricultural Development (IFAD) (US\$800,000 over first 3 years and US\$1,000,000 over next 3 years).

1984-7: Project Leader, *Agricultural Marketing Research Project*, a collaborative research project between the National University of Lesotho and the University of Saskatchewan, funded by the International Development Research Centre (US\$350,000 over 3 years).

Books:

3. Swallow, B., Okono, N., Achouri, M. and Tennyson, L. (eds). 2005. *Preparing for the Next Generation of Watershed Management Programmes and Projects: Africa*. FAO and ICRAF: Rome and Nairobi, pp. 282+xi.
2. Meinzen-Dick, R., Knox, A., Place, F. and Swallow, B. (eds). 2002. *Innovation in Natural Resource Management: The Role of Property Rights and Collective Action in Developing Countries*. Johns Hopkins University Press: Baltimore, USA, ISBN0-8018-7143-3, pp.317+xv.
1. McCarthy, N., Swallow, B., Kirk, M. and Hazell, P. (eds). 2000. *Property Rights, Risk and Livestock Development*, IFPRI: Washington D.C., pp. 437.

Journal Articles (names of students underlined):

66. Lahteenmaki-Uutela, A., Rantala, S., Swallow, B., Lehtiniemi, H. J., Pohjola, T., & Paloniemi, R. (2023). Increasing access to forest data for enhancing forest benefits to all. *Silva Fennica*.
65. Ma, T., Swallow, B., Foggin, J. M., Zhong, L., & Sang, W. (2023). Co-management for sustainable development and conservation in Sanjiangyuan National Park and the surrounding Tibetan nomadic pastoralist areas. *Humanities and Social Sciences Communications*, 10(1), 1-13.
64. Ma, T., Swallow, B., Foggin, J. M., Zhong, L., & SANG, W. (2022). Developing Co-management for Conservation and Local Development in China's National Parks: Findings from Focus Group Discussions in the Sanjiangyuan Region. *Frontiers in Conservation Science*, 4, 903788.
63. Ma, T., Swallow, B., Zhong, L., Xu, K., Sang, W., & Jia, L. (2022). Local perspectives on social-ecological transformation: China's Sanjiangyuan National Park. *Environment, Development and Sustainability*, 1-21.
62. Zhang, Y., Khan, S.U., Swallow, C B., Liu, W. and Zhao, M. (2022). Coupling coordination analysis of China's water resources utilization efficiency and economic development level. *Journal of Cleaner Production*. Volume 373, 133874.
61. Hu, Z., Kobori, H., Swallow, B. and Qiu, F. (2022). Willingness to pay for multiple dimensions of green open space: applying a spatial hedonic approach. *Canadian Journal of Agricultural Economics*. DOI:10.1111/cjag.12317.
60. Luo, Y., Swallow, B. and W.L. Adamowicz (2022). Comparing WTP and WTA approaches for valuing farmland conversion and protection in Alberta, Canada. *Land Economics*. 060120-0074R2. 98(4): 639-657.
59. Rantala, S., Swallow, B., Lahteenmaki-Uutela, A., Paloniemi, R. (2022) Forest data governance as a reflection of forest governance: institutional change and endurance in Finland and Canada. *Environmental Science and Policy*. 136:751-760.
58. Ma, T., Swallow, B., Zhong, L., Xu, K., Sang, W., & Jia, L. (2022). Local perspectives on social-ecological transformation: China's Sanjiangyuan National Park. *Environment, Development and Sustainability*, 1-21.
57. Zhang, Y., Liu, W., Khan, S. U., Swallow, B., Zhou, C., & Zhao, M. (2022). An insight into the drag effect of water, land, and energy on economic growth across space and time: the application of improved Solow growth model. *Environmental Science and Pollution Research*, 29(5), 6886-6899.
56. Cao, Y., Swallow, B. and Qiu, F. (2021) Identifying the Effects of a Land-Use Policy on People's Willingness to Pay for Open Space using an Endogenous Switching Regression Model, *Land Use Policy*. 101, 105183.
55. Rantala, S., Swallow, B., Paloniemi, R., & Raitanen, E. (2020). Governance of forests and governance of forest information: Interlinkages in the age of open and digital data. *Forest Policy and Economics*, 113, 102123.

54. Tong, Q., Swallow, B., Zhang, L. and Zhang, J. (2019). The roles of risk aversion and climate-smart agriculture in climate risk management: evidence from rice production in the Jiangnan Plain, China. *Climate Risk Management*. 100199.
53. Montenegro Guerra, M.J., Mohapatra, S. and Swallow, B. (2019). "What influence do empowered women have? Land and the reality of women's relative power in Peru," *Review of Economics of the Household* 17(4): 1225-1255.
52. Kaczan, D.J., Swallow, B.M., and Adamowicz, W.L. (2019). Forest conservation policy and motivational crowding: experimental evidence from Tanzania. *Ecological Economics* 156: 444-453.
51. Miller-Tait, E.J., Mohapatra, S., Luckert, M. & Swallow, B.M. (2019). On Target? Using self-selection models to assess pro-poor targeting of processing technologies for undervalued staples in rural India. *Food Security*. 11(1): 151-166.
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{http://usaidlandtenure.net/sites/default/files/USAID_Land_Tenure_Devolution_of_Forest_Rights_and_Sustainable_Forest_Management_Volume_1.pdf}
53. Pattison, J.K. and Swallow, B.M., 2011. Post-Secondary Educational Programs in Food Safety – Environmental Scan. Report prepared for the National Forum on Food Safety Policy and Practice.

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47. Tomomatsu, Y. and Swallow, B., 2007. Jatropha Curcas Biodiesel Production in Kenya: Economics and Potential Value Chain Development for Smallholder Farmers. ICRAF Working Paper No. 54. Nairobi: World Agroforestry Centre.
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39. Were, E., Swallow, B. and Roy, J. 2006. *Water, Women and Local Social Organization in the Western Kenya Highlands*. CAPRI Working Paper No. 51. Washington DC: IFPRI.
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36. Swallow, B.M., Thangata, P.H., Rao, S.N. and Kwesiga, F. (eds). 2005. *Proceedings of the Workshop on Agroforestry Responses to HIV/AIDS in East and Southern Africa*, 15-16 December 2003. The World Agroforestry Centre Occasional Paper No. 1. World Agroforestry Centre: Nairobi, Kenya.
 35. Mungai, D., Swallow, B., Mburu, J., Onyango, L. and Njui, A. (eds). 2004. *Proceedings of a Workshop on Reversing Environmental and Agricultural Decline in the Nyando River Basin*, December 9 – 11, 2002, Imperial Hotel, Kisumu, Kenya.
 34. Swallow, B., Onyango, L. and Roy, J. (eds). 2004. *Proceedings of a Workshop on Integration of Research, Planning and Environmental Management in the Nyando River Basin*, Tea Hotel, Kericho, Kenya, September 17, 2003.
 33. Gichimo, R.;Mango, N.;Muhia, N.;Swallow, B. 2003. Proceedings of the workshop on voices of poor livestock keepers in Bondo district held at Switel Hotel, Bondo, Kenya 22nd January 2003 Nairobi, Kenya : ICRAF, 21p.
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 30. Kamara, A., Swallow, B. and Kirk, M. 2002. *Role Of Policies and Development Interventions in Pastoral Resource Management: The Borana Rangelands in Southern Ethiopia*. ILRI Socio-Economics and Policy Research Working Paper No. 53. ILRI: Nairobi (Kenya): ILRI, 42pp.
 29. Swallow, B.M., Walsh, M., Nyantika, D., Muriithi, S., Noordijn, Q., Ong, C., Shepherd, K., Place, F., Awiti, A., Hai, M., Ochieng, O., Cohen, M., Mugo, F., Oyasi, S., Omuto, C., Cohen, L. and Okono, A. 2002. *Improved Land Management in the Lake Victoria Basin: Annual Technical Report July 2001 to June 2002*. Working Paper 2002-2. Natural Resource Problems, Priorities and Policies Programme, International Centre for Research in Agroforestry.
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 26. Swallow, B.M. 2000. *Strategic Plan for the Natural Resource Problems, Priorities and Policies Programme: 2000-2010*. Discussion Paper 2000-1. Natural Resource Problems, Priorities and Policies Programme, International Centre for Research in Agroforestry.
 25. Wangila, J.and Swallow, B.M. (eds). 2001. *Design Principles for Land and Watershed Management in Western Kenya*. Discussion Paper 2001-4. Natural Resource Problems, Priorities and Policies Programme, International Centre for Research in Agroforestry.
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 - 23 . Swallow, B. 2000. *The Impacts of Trypanosomiasis on African Agriculture*. FAO: PAAT Technical and Scientific Series, Volume 2, Rome.
 22. Place, F. and B. Swallow. 2000. *Assessing the Relationships Between Property Rights and Technology Adoption in Smallholder Agriculture: A Review of Issues and Empirical Methods*. CAPRI Working Paper No. 2. Washington DC: IFPRI.
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11. Swallow, B.M. 1991. *Selected Bibliography of Gambian Agricultural Development: Phase 2*. Banjul, The Gambia Agricultural Research & Diversification Project.
10. Swallow, B.M. 1990. *Strategies and Tenure in African Livestock Development*. LTC Paper No. 140. Land Tenure Center, University of Wisconsin: Madison, Wisconsin.
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4. Swallow, B.M. and Mpemi, M. 1986. *The Marketing System for Fresh Vegetables in Lesotho*. Institute of Southern African Studies Report No. 10. National University of Lesotho.
3. Swallow, B.M. 1993. Environmental Issues and ILCA Research Agenda. In S. Ehui and M. Lipner (eds). *Livestock and Resource Management Policy: Issues and Priorities for Research*. Proceedings of the ILCA Planning Workshop on Livestock and Resource Management Policy, Addis Ababa, Ethiopia, ILCA, 24-27 February 1992, pp. 127-137.
2. Swallow, B.M. 1986. Conference Summary and Wrap-up. *Proceedings of Hides and Skins Marketing Symposium*, Maseru, Lesotho.

1. Swallow, B.M. 1986. Historical Analysis of Hides and Skins Marketing in Lesotho. *Proceedings of Hides and Skins Marketing Symposium*, Maseru, Lesotho.

Invited Presentations (* indicates presenter, underline indicates student):

54. Swallow, B.M. (2019). "Fragmentation and Conversion of Agricultural Land: Analysis of Values to Inform Policy." Presentation to the Community Advisory Board of the Alberta Land Institute, 30 April 2019 (audience of 15).
53. Swallow, Brent. (2019). Considerations for offset framework implementation. Presentation at the Smart Prosperity Institute workshop on "Nature Based Solutions to Climate Change Mitigation," Ottawa Art Gallery, Ottawa, 4 April 2019 (by teleconference). (audience of 40).
52. Swallow, B.M. (2018). "Paving Paradise: urban expansion vs. Alberta's farmland." Invited presentation at the University of Alberta Alumni Association UofA in a Day, 22 September 2018. (audience estimated at 50).
51. Swallow, B.M. (2018). Data governance and conflicting values: the challenges of natural resource management in Western Canada. Invited Presentation at the Finnish Environment Institute, June 2018.
50. Swallow, B.M. (2018). Preserving land in agriculture in Alberta: What is the Values Proposition? Invited Presentation at the 2018 Biannual Conference of the Alberta Land Institute, May 30, 2018.
49. Swallow, B.M.,* (2017). Farmland conversion and fragmentation: where, why, what next? Paper presented at the Rural Alberta Innovation and Learning Commons. Olds College, Olds, Alberta, September 30 (20 participants).
48. Swallow, B.* 2017. Some reflections on International Experience with Payments for Ecosystem Services (PES) and REDD+. Invited presentation for the Alberta Climate Change Office, 2 June 2017.
47. Swallow, B.* 2017. Research on the economics of farmland conservation and fragmentation in Alberta. Invited presentation for the Land Use Workshop and Annual General Meeting of Action for Agriculture, Cochrane Ranch House, February 27 (80-100 participants).
46. Swallow B,* 2017. Invited presentation to the Parkland County Council, February.
45. Swallow, B.*, 2017. Personal experience with performance management. Invited presentation at Bioversity International Science Week, Rome, Italy. June 2017.
44. Swallow, B.*, Qiu, F., Wang, H. and Wang, Q. 2016. Research on the Multiple Values of Farmland in Alberta. Land Use 2016. Biannual Conference of the Alberta Land Institute, May 4-5, 2016, Westin, Edmonton, Alberta.
43. Swallow, B.* and Swallow, K. 2015. Land and Natural Resources in Economic and Rural Transformation. International Fund for Agricultural Development, Rome, Italy, 29 June 2015.
42. Jeffrey, S.*, Goddard, T. and Swallow, B. 2013. An Overview of Agricultural Carbon Offset Trading in Alberta, Canada. Paper presented at the Australian Agricultural and Resource Economics Society conference. Darling Harbour, Sydney, Australia, 5-8 February 2013.
41. Swallow, B.,* Understanding the Policy Terrain for Research on Institutions for Inclusive Climate-Smart Agriculture. Invited Keynote Presentation at the CAPRI / CCAFS Workshop on Institutions for Inclusive Climate-Smart Agriculture Nairobi, Kenya September 10-13, 2012.
40. Rantala, S., and Swallow, B.* 2012. Who gains and who loses from compensated displacement from protected areas? Invited Presentation, MS Swaminathan Research Foundation Rio+20 Consultation on biodiversity and livelihoods, Chennai, India, 14-16 February 2012.
39. Lawry, S.*, McLain, R., Swallow, B. and Biedenweg, K., 2011. Devolution of Forest Rights and Sustainable Forest Management: A Review of Policies and Programs in 16 Developing Countries. Presented at USAID's Land Tenure and Property Rights Unit's "Research and Analysis of Carbon Rights and Institutional Mechanisms for Receiving and Distributing REDD+ Payments" workshop. USAID, Washington, D.C.
38. Goddard, T.W.*, Swallow, B. and Schmidt, C., 2011. Development of policies and institutions for agricultural offsets within the Alberta Greenhouse Gas Offset System. Paper presented at

- the Joint Agricultural and Applied Economics Association / Northeastern Agricultural and Resource Economics Association Annual Meeting, Pittsburgh, Pennsylvania, July 25, 2011.
37. Goddard, T.W.*, Swallow, B.M., Ridge, A., 2011. Agricultural Greenhouse Gas Offset System Experiences. Paper presented at the Soil and Water Conservation Society meetings in Washington DC. July 18, 2011.
 36. Kaczan, D.*, Swallow, B.M., and Adamowicz, W.L., 2011. Payment for Ecosystem Services Scheme Design in Rural Tanzania: Farmers Preferences for Enforcement and Payment Options. Paper presented at the Canadian Agricultural Economics Society meetings, Banff, Alberta, June 30, 2011 and the Agricultural and Applied Economics Meeting, Pittsburgh, Pennsylvania, July 24-26, 2011.
 35. Thompson, Y.*, Swallow, B.M., and Luckert, M., 2011. Smallholders' WTA compensation for REDD in Cameroon. Paper presented at the Joint Agricultural and Applied Economics Association / Northeastern Agricultural and Resource Economics Association Annual Meeting, Pittsburgh, Pennsylvania, July 25, 2011.
 34. Swallow, B.M.*, 2010. "The Institutions of land-based carbon credits: reflections from Africa and Alberta." Invited Paper presented at the Expert Convening on Soil Carbon, Carbon Sequestration and Carbon Credits. Bill & Melinda Gates Foundation, Seattle, USA, June 8&9, 2010.
 33. Swallow, B.M.*, 2008. "Introduction to High Carbon Rural Development and Possible Links to Carbon Finance," Invited presentation at the ICRAF / ASB Side Event on REDD Strategies for High Carbon Rural Development, UNFCCC Conference of the Parties, Poznan, Poland, 5 December 2008.
 32. Swallow, B.M.*, 2008. "Financial incentives to combat climate change and benefit the rural poor," Invited presentation at the IFAD / FAO Side Event on Climate Change Mitigation Potential of Agriculture, UNFCCC Conference of the Parties, Poznan, Poland, 3 December 2008.
 31. Swallow, B.M.*, 2008. "Multi-attribute evaluation of land / forest use in the tropical forest margins," Invited presentation at the Seminar on Forest programs for mitigating climate change, and poverty: Drawing lessons from evaluation," Norwegian Ministry of Environment and the World Bank, Oslo, Norway, 29 September 2008.
 30. Swallow, B.M.*, 2008. "Assessment Tools for Negotiation Support and Rewards for Environmental Services," Invited presentation at the Katoomba Private Meeting, Morogoro, Tanzania, September 18, 2008.
 29. Swallow, B.M.*, 2010. "Institutions, behavior and payments for biocarbon sequestration services: comparison of Africa and Alberta." Invited Paper presented at the Forum on Social Dimensions of Market-Based Environmental Incentives. Charles Darwin University, Darwin, Australia, 18-19 November 2010.
 28. Swallow, B.M.* 2008. "Avoided Deforestation with Sustainable Benefits: Challenges for Tanzania," Invited Presentation at the Katoomba Group Public Meeting, Dar es Salaam, Tanzania, Sept 16, 2008.
 27. Swallow, B.M. 2008. "Global Overview of Biodiversity Markets, Payments, & Offsets," An Introduction to Markets & Payments for Ecosystem Services. Invited Presentation at A Pre-Conference Meeting for USAID & Partners. White Sands Hotel, Dar-es-Salaam, Tanzania, September 15, 2008.
 26. Swallow, B.M., 2008. "Opportunity Costs of Carbon Emissions from Land use Change in the Tropical Forest Margins," Invited presentation at the workshop on the Costs of Reducing Carbon Emissions from Deforestation and Forest Degradation, The World Bank, Washington, DC, May 2008.
 25. Swallow, B.M., 2008. "Avoided Deforestation with Sustainable Benefits.", Invited Presentation at the Reddiness Forum Planning Meeting, Washington DC, convened by Woods Hole Research Centre, UNDP and UNEP, May 2008.
 24. Swallow, B.M., 2008. "Incentives for Sustaining Ecosystem Services in Multi-Functional Landscapes: a Pentagon of Research Questions for the World Agroforestry Centre." Invited presentation to Frontiers in Sustainable Development Speaker Series, Harvard Centre for International Development, Harvard University, May 2008.

23. Swallow, B.M., 2007. "Reduced Deforestation in Developing Countries as a Means for Combating Global Climate Change." Open seminar organized by the International Forest Policy Working Group, Finland Ministry of Foreign Affairs, Helsinki, Finland, February 2008.
22. Swallow, B.M., 2007. "Carbon Emission Abatement Costs from Reduced Deforestation: Introduction." ASB Side Event on Carbon Emission Abatement Costs from Reduced Deforestation. Forest Day. 13th meeting of the UNFCCC Conference of Parties, Bali, Indonesia, December 2007.
21. Swallow, B.M., 2007. "Opportunities for Avoided Deforestation with Sustainable Benefits." Invited seminar at the Department of Agricultural Economics, Michigan State University, November 2007.
20. Swallow, B.M., 2007. "Conditional Payments for Watershed Services in the Developing World: Hypotheses regarding effectiveness, efficiency, acceptability, sustainability and poverty." Invited seminar at the Department of Community, Agriculture, Recreation and Resource Studies, Michigan State University, November 2007.
19. Swallow, B.M., 2007. "Avoided Deforestation with Sustainable Benefits: A Simple Way to Reduce Carbon Emissions from Deforestation and Degradation (REDD)." IISD side event on Market Mechanisms for Sustainable Development: Achieving Benefits for Developing Countries post 2012. Meeting of the Subsidiary Bodies to the UNFCCC, Bonn, Germany, May 2007.
18. Swallow, B.M., 2007. "What are the Information and Institutional Requirements for Scaling up Known Adaptation Technologies?" Invited presentation at the World Bank Institute Side Event with the Least Developed Countries. Meeting of the Subsidiary Bodies to the UNFCCC, Bonn, Germany, May 2007.
17. Swallow, B.M., 2007. "Business and Ecosystem Management." Keynote Presentation at the Inaugural Meeting of the Ecological Society for East Africa. National Museums of Kenya. May 2007.
16. Swallow, B.M. 2007. "Pan-tropical scoping study of demand for watershed services." Invited Presentation at the Global Event on Payments / Rewards for Environmental Services, Lombok, Indonesia, January 2007.
15. Swallow, B.M., 2006. "Compensation and Rewards for Ecosystem Services: Issues, Trends and Perspectives from Latin America, Cross-regional Comparison." Presentation at the International Society for Ecological Economics Biannual meeting, Delhi, India, December 2006.
14. Swallow, B.M., 2006. "Tradeoffs and Synergies between Ecosystem Services, Agrobiodiversity and Agroforestry." Invited presentation at the African Regional Workshop on Sustainable Use of Biological Diversity, United Nations Office in Nairobi, December 2006.
13. Swallow, B.M., 2006. "Compensation and Rewards for Ecosystem Services in the Tropics: Interface Between Conservation, Poverty Reduction and Social Justice." Invited Presentation to International Symposium on Defying Nature's End: the African Context. Antananarivo, Madagascar, June 2006.
12. Swallow, B.M., 2006. "Pan Tropical Scoping Study of Compensation for Ecosystem Services: Interim Report to IDRC." Invited Presentation at the IDRC Rural Poverty and Environment Working Group. Bali, Indonesia, June 2006.
11. Swallow, B.M., 2005. "Rewarding the Upland Poor for Environmental Services." Presentation at the High Level Brainstorming Workshop on Creating Pro-Poor Markets for Ecosystem Services, UNEP and the London School of Economics, Senate House, LSE, October 2005.
10. Swallow, B.M., 2005. "Transforming Women's Lives Through Collective Water Management In Kenya: An Enduring Legacy For Jessica Roy" Invited Presentation at the Centre For Global, International And Regional Studies, University Of California, Santa Cruz, May 18, 2005.
9. Swallow, B.M., 2004. "Forests, Water and Soil Conservation: the Role of Forests and Trees in Watershed Function and Soil Conservation," Invited Presentation to the Workshop on Forests and Forest Ecosystems: Promoting Synergy in the Implementation of the Three Rio Conventions. Organized by UNCCD and CDB Secretariats, in cooperation with the UNFCCC Secretariat, 5-7 April, 2004, Viterbo, Italy.
8. Swallow, B.M., 2004. "Strategies and Policies for Enhancing Agroforestry and Environmental Security," Invited Keynote Address for the Agricultural and Forestry Sciences Section of the

- 91st Science Congress of the India Science Congress Association, January 3-7, 2004, Chandigarh, India.
7. Swallow, B.M., 2003. "Report on the Africa Regional Workshop on Preparing the Next Generation of Watershed Management Programmes," Invited Presentation to the International Conference on Integrated Watershed Management: Water Resources for the Future, Porto Cervo, Sassari, Sardinia, Italy, 22-24 October 2003.
 6. Swallow, B.M., and Muhia, N., 2003. "Voices of the Poor": Report on Organisations Which Represent the Needs of the Poor in East Africa," Invited presentation to the 4th Interagency Meeting of Livestock Production and Animal Health Research, 26-27 March 2003, FAO, Rome.
 5. Swallow, B.M., 2002. "Land Tenure and Dryland Agriculture: Tragedy and Opportunity," Invited Presentation at the workshop on agriculture in the drylands, Ubuntu Village, Johannesburg, World Summit on Sustainable Development, Friday August 30th, 2002.
 4. Swallow, B.M., 1997. "The Impacts of Trypanosomiasis on African Agriculture," Invited paper presented at the 24th Meeting of International Scientific Council for Trypanosomiasis Research and Control, Maputo, Mozambique, 29th September - 3rd October 1997. (Also presented at a meeting of the PAAT Programme Committee, November 19-21, Geneva, Switzerland.)
 3. Swallow, B.M., 1995. "Towards Incentive-Compatible Mechanisms for Enhanced Carbon Storage in the African drylands." Commissioned paper presented at the International Workshop on Combatting Global Warming by Combatting Land Degradation, UNEP, Nairobi, Kenya, 4-8 September 1995.
 2. Swallow, B.M., 1993. "The Risks, Strategies and Institutions that Affect Mobility as a Management Concept in African Rangeland Management." Invited paper presented at the Workshop on New Directions in African Range Management and Policy, Woburn, England, 31 May-4 June 1993.
 1. Storey, G. and Swallow, B.M., 1993. "An Institutional Approach to Analysis of Agricultural Markets in Less Developed Countries: Application to Cattle, Wool and Mohair Markets in Lesotho." Invited paper presented at the Workshop on Methods for Agricultural Marketing Research in Developing Countries, New Delhi, India, 16-20 March 1993.

Other Scholarly Presentations:

71. Hu, Z. and Swallow, B.M. (2020). Spatial Analysis of Willingness-to-Pay for Farmland Preservation Using Stated and Revealed Preference Valuation Techniques, Presentation to the Environmental Studies Association of Canada annual conference (virtual), June 1.
70. Luo, Y. and Swallow B.M. (2019). Comparing Willingness-to-Pay and Willingness-to-Accept Approaches for Valuing Farmland Conversion and Protection in Alberta. Paper presented at the annual meeting of the Canadian Agricultural Economics Society, Ottawa, July 2019.
69. Shandal, M., Mohapatra, S, Swallow, BM and Veettil, P. (2019). The Causal Effect of Public Infrastructure on Women's Empowerment in Rural Communities of India. Paper presented at the annual meeting of the Canadian Agricultural Economics Society, Ottawa, July 2019.
68. Luo, Y. and Swallow, B. (2019). Comparing willingness-to-pay and willingness-to-accept approaches for valuing farmland conversion and protection in Alberta. Presentation to the Environmental Studies Association of Canada annual conference, University of British Columbia, Vancouver, June 3-5.
67. Cao, Y., Swallow, B. and Qui, F. (2018). Does municipal development policy affect property values: a quasi-experimental hedonic price approach in Alberta, Canada. Presentation at the International Conference of Agricultural Economists, Vancouver, 1 August 2018
66. Tong, Q., Swallow, B., Zhang, L. and Zhang, J. (2018). Risk attitude, technical efficiency and adoption: an integrated approach to climate-smart risk production in the Jiangnan Plain, China. Presentation at the International Conference of Agricultural Economists, Vancouver, 1 August 2018
65. Budynski, S., Swallow, B. and Beckie, M. (2018). A Case Study of Craft Breweries in Alberta. Presentation at the Place-Based Food Systems Conference, Burnaby, British Columbia, Aug 9-10, 2018. (audience of about 60)

64. Swallow, B., Budynski, S. and Beckie, M. (2018). Analysis of the Polycentric Governance of Local Food in Canada. Presentation at the Place-Based Food Systems Conference, Burnaby, British Columbia, Aug 9-10, 2018.
63. Swallow, B.M.* and Rantala, S. (2017). Open data, open science and open governance: the case of forest management. Paper presented at the 16th biannual conference of the International Association for the Study of the Commons: Practicing the Commons. Utrecht University, Netherlands, July 10-14.
62. Wang, H.* and Swallow, B.M. (2017). Linking agricultural land conservation and provision of ecosystem services: a choice experiment approach. Presentation at the annual meeting of the Agricultural and Applied Economics Association, August 1, Chicago.
61. Montenegro, M.J.* Mohapatra, S. and Swallow, B.M., Land Rights and Women's Empowerment: Insights from Item Response Theory. Annual meeting of the Agricultural and Applied Economics Association, Boston, MA, August 2, 2016.
59. Swallow, B.*, Qiu, F., Wang, H. and Wang, Q. 2016. Research on the Multiple Values of Farmland in Alberta. Land Use 2016. Biannual Conference of the Alberta Land Institute, May 4-5, 2016, Westin, Edmonton, Alberta.
58. Swallow, B. (2016). North Saskatchewan Watershed Alliance. Day trip and informal talk. Watershed management design principles and observations on the North Saskatchewan. 4 June 2016.
57. Swallow, B.M.* (2016). Health, the SDGs and the geography of food security. Lecture to the Edmonton Lifelong Learners Association class on global health. 3 May 2016.
56. Montenegro, G.M., Mohapatra, S. and Swallow, B. (2015). Land inheritance and women's empowerment in the Andean Highlands of Peru. IASC conference, Edmonton, Alberta.
55. Johny, J.*, Wichmann, B., and Swallow, B., 2014. "Role of social networks in diversification of income sources in rural India," Paper presented at Dialogue on International Food Security, University of Alberta, May 1, 2014, Annual meeting of the Canadian Agricultural Economics Society, Vancouver, BC, June 1, 2014 and Annual meeting of the Agricultural and Applied Economics Association, Minneapolis, MN, 27 July 2014.
54. Breikreuz, R.*, N. Brady, C.J. Stanton, J. Pattison and B. Swallow, "Land ownership as a social determinant of health and well-being in rural India." Dialogue on International Food Security, University of Alberta, May 1, 2014. (same as above)
53. Wang, H.*, F. Qiu, & B. Swallow. Can Community Gardens and Farmers Markets Relieve Food Desert Problems? A Study of Edmonton, Canada? Presented at the Food Desert Mapping - Methods and Implications Workshop, Edmonton, 12 September 2014.
52. Qiu, F., L. Lalibert'e, B. Swallow, and S. Jeffrey. "Impacts of Fragmentation and Neighbor Influence on Farmland Conversion: A Case Study of the Edmonton-Calgary Corridor of Canada." Presented at the AAEA Annual Meeting, Minneapolis, July 2014.
51. Bacon, E. and Swallow, B., 2014. Shopping: Edmonton as desert or land of plenty? Presented at the Food Desert Mapping - Methods and Implications Workshop, Edmonton, 12 September 2014.
50. Swallow, B.*, Abu-Basutu, K., Shackleton, C., and Dassanayake, W., 2013. Impacts of Gender, Climate and HIV / AIDS on Dietary Intake and Consumption of Wild Foods in Eastern Cape Province, South Africa. Joint meetings of the AAEA and CAES, Washington, D.C., Aug 4, 2013.
49. Abu-Basutu, Keitometsi Ngulube, Swallow, Brent M.*, and Shackleton, Charlie. 2013. The contribution of wild foods to food security in the context of HIV / AIDS and climate change. Paper presented at the Global Food and Nutrition Security Linking Agriculture, Nutrition and Health Conference 2013. University of Saskatchewan, Saskatoon, Saskatchewan, February 6-8.
48. Swallow, B. and Goddard, T.*, 2012. Five years' experience of agriculture in the Alberta greenhouse gas offset system – policy development and performance. Poster presentation at the Conference on Growing the Bioeconomy: Social, Environmental and Economic Implications. Banff, Alberta, Canada, October 2-5, 2012.
47. Swallow, B.* and Nordstrom, O., 2012. A study of the attitudes and awareness to carbon offset protocols in Alberta's agricultural community. Paper presented at the Linking Environment and Agriculture Research Network Meeting. Edmonton, Alberta, 24-25 May 2012.

46. Kaczan, D.*, Swallow, B., Adamowicz, V. and Catacutan, D. 2010 Deforestation in Tanzania s East Usambaras: sticks, carrots, and the crowding out effect. Presentation at the World Agroforestry Centre, Nairobi, Kenya, 2010.
45. Swallow, B.M.* and Dassanayake, W., 2010. "Dynamics and Determinants of Chronic Poverty in Western Kenya: Starting Point, Location and Diversification." Paper presented at the International Conference on Ten Years of the War on Poverty. Chronic Poverty Research Centre, Manchester, UK, 8-10 September 2010.
44. Matthews, R.* , Swallow, B, van Noordwijk, M., Gupta, J., Lambin, E., Veldkamp, E. and Verchot, L., 2009. REDD-ALERT: Evaluating global-level climate policy options and their local level implementation. Paper presented at the conference on Climate Change: Global Risks, Challenges and Decisions, 10–12 March 2009, Copenhagen, Denmark. 2009 IOP Conf. Ser.: Earth Environ. Sci. 6 252024. (<http://iopscience.iop.org/1755-1315/6/25/252024>)
43. Yatich, T.* , Kalinganire, A., Alinon, K., Weber, J.C. and Swallow, B. 2009 Moving beyond forestry laws in Sahelian countries: bridging disconnects between legislative provisions and native tree use, access and management. Paper presented at the World Agroforestry Congress, Nairobi, Kenya, 23-28 Aug 2009.
42. Rantala, S.* , Kitalyi, A., Lyimo, E., Swallow, B. and Doggart, N. 2008. Integrating livelihoods and multiple biodiversity values in landscape mosaics: from knowledge to action. Paper presented at the conference on "From Knowledge to Action. National Science, Technology and Innovates Conference, 5-8 November.
41. Swallow, B.M.* , Sang, J., Nyabenge, M., Bondotich, D., Yatich, T., Duraiappah, A., and Yashiro, M. 2008. "Tradeoffs Among Ecosystem Services and Food Security in the Lake Victoria basin." International Conference on Food Security and Environmental Change. Oxford University, April 2008.
40. Swallow, B.M.* , 2006. "Rooting Policy in Science." Presentation at a side event on "The Difference a Tree Can Make." Stockholm World Water Week, Stockholm, Sweden, August 2006.
39. Swallow, B.M.* , 2006. "Water, Tree and Soil Interactions in Tropical Watersheds." Presentation at the Stockholm World Water Week, Stockholm, Sweden, August 2006.
38. Swallow, B.M., 2006. "Opportunities for Fostering Inclusive Multi-Scale Collective Action for Watershed Management in the Nyando River Basin, Kenya." Presentation at the Stockholm World Water Week, Stockholm, Sweden, August 2006.
37. Swallow, B.M.* and Mwangi, E., 2005. "Invasion of *Prosopis Juliflora* and Local Livelihoods: Case Study from the Lake Baringo Area of Kenya." Presentation at a workshop on the Effects of Invasive Species on Human Livelihoods, Especially the Rural Poor. Global Invasive Species Programme. Cape Town, South Africa, September 2005 (with E. Mwangi).
36. Swallow, B.M., Onyango, S., and Mukoya-Wangia, 2005. "Effects of HIV/AIDS-Related Illness and Deaths on Agricultural Production in The Nyando River Basin of Western Kenya." Paper presented at the International Conference on HiV/AIDS and Food and Nutritional Security, Durban, South Africa, 14-16 April 2005.
35. Swallow, B.M.* , 2005. "Tradeoffs in the Design of Environmental Service Mechanisms: A Conjoint Analysis Study in Lampung, Indonesia," Presentation to a Training Workshop at the University of Lampung, Bandar Lampung, Sumatra, Indonesia, 17-18 March 2005.
34. Swallow, B.M.* and Onyango, L., 2005. "Dynamics of Poverty, Livelihoods and Property Rights in The Lower Nyando Basin of Kenya," International Workshop On 'African Water Laws: Plural Legislative Frameworks for Rural Water Management in Africa', 26-28 January 2005, Gauteng, South Africa (www.nri.org/waterlaw/workshop).
33. Swallow, B.M.* and Meinzen-Dick, R., 2004. "Payments for Environmental Services: Collective Action to Create New Property Rights for Smallholders." Paper presented at the International Association for the Study of Common Property Biennial Meeting, Oaxaca, Mexico, 9-13 August, 2004.
32. Swallow, B.M.* , 2003. "Agroforestry and its Role in Mitigating the Impact of HIV/AIDS, Presentation to the Workshop on Agroforestry Responses to HIV / AIDS in East and Southern Africa, World Agroforestry Centre, Nairobi, Kenya, Dec 15-16, 2003.

31. Swallow, B.M.,* 2003. "Agroforestry and its Role in Mitigating the Impact of HIV/AIDS, Presentation to World Agroforestry and the Future: A conference on the occasion of the 25th anniversary of ICRAF, World Agroforestry Centre, Nairobi, Kenya, 1-5 November 2003.
30. Swallow, B.M.*, 2003. "Watershed Property Rights," Paper presented to the Africa Regional Workshop on Preparing the Next Generation of Watershed Management Programmes, ICRAF and FAO, Nairobi, Kenya, 8-10 October 2003.
29. Swallow, B.M.*, 2003. "ICRAF's Experience in Kenya: Results and Next Steps." Presentation to the Inter-institutional regional seminar on reversing agricultural and environmental decline in the Lake Victoria Basin, Kisumu, Kenya, Sept 21-23, 2003.
28. Swallow, B.M., 2003. "Fractal Poverty Traps: Implications for Poverty Reduction Strategies in Kenya." Invited Presentation at the conference on Reconciling Rural Poverty Reduction and Resource Conservation: Identifying Relationships and Remedies. Cornell University, May 2-3, 2003.
27. Swallow, B.M., 2003. "Improved Land Management in the Nyando Basin of Kenya," Presentation to the Third World Water Forum, Kyoto, Japan, March 2003.
26. Swallow, B.M., 2003. "Attending to Village-Level Poverty Traps in Poverty Reduction Strategies," Paper presented at the Conference on Rural Livelihoods and Poverty Reduction Policies, 13-14 January 2003, Nairobi, Kenya.
25. Barrett, C.B. and Swallow, B.M., 2003. "Fractal Poverty Traps." Paper presented at the Conference on Rural Livelihoods and Poverty Reduction Policies, 13-14 January 2003, Nairobi, Kenya.
24. Swallow, B.M., and Simons, T., 2003. "Designing Smallholder Agroforestry Projects for Sustainable Development and the CDM," Presentation for Forests and the Clean Development Mechanism in Africa, UNEP, January 22-24, 2003.
23. Swallow, B.M., and Wangila, J. 2002. "Land Degradation, Investment, Information and Incentives in Kenya's Lake Victoria Basin," Paper presented at the Regional Workshop on "Policies for Sustainable Land Management in the East African Highlands", Addis Ababa, Ethiopia, April 24-26, 2002.
22. Swallow, B.M., 2002. "Community Poverty Traps and Water Management in the Lake Victoria Basin," Paper presented at the Stockholm International Water Symposium, Stockholm, Sweden, August 11-17, 2002.
21. Swallow, B.M., 2002. "How Farmers, Researchers and Policy Makers Assess the Impacts of Improved Fallows in Eastern Zambia," Paper presented at the Southern African Agroforestry Conference, May 20-24th, 2002, Pretoria, South Africa.
20. McCarthy, N., and Swallow, B.M., 1999. "Managing the Natural Capital of African Rangelands: Rights, Risk and Responses," Paper presented at the VI International Rangelands Congress, Townsville, Australia, July 19-23, 1999, pp. 1002-1007.
19. Swallow, B.M., Wangila, J., Tesfamichael, N., Okello, O., McCarthy, N., and Kruska, R. 1997. "Assessing Collective Action Using Spatial Household Data," Presentation at the International Workshop on Property Rights, Collective Action and Technology Adoption, Aleppo, Syria, November 22-25, 1997.
18. Swallow, B.M., 1997. "Employment Prospects in International Agricultural Research Organizations: the Case of ILRI, Presentation at the Annual meeting of the American Association of Agricultural Economics, Toronto, Canada, July 28-31, 1997.
17. Swallow, B.M., 1995. "The multiple products, functions and users of natural resource systems." Swallow, B.M., Meinzen-Dick, R.S. (ed.); Jackson, L.A. (ed.); Williams, T.O. (ed.); White, T.A. (ed.). IFPRI, Washington, D.C. (USA). Environment and Production Technology Div.; CGIAR System-Wide Program on Property Rights and Collective Action. Multiple functions of common property regimes. Proceedings of a conference. 1995. EPTD Workshop Summary Paper (USA). no. 5. p. 6-31. Washington, D.C. (USA): IFPRI.
16. Swallow, B.M., Mulatu, W., Rowlands, G.J., Leak, S.G.A., d'Ieteren, G. and Nagda, S.M., 1997. "Economic Benefits to Farmers of Six Years of Application of an Insecticidal 'pour-on' to Control Tsetse in Ghibe, Southwest Ethiopia, " Paper presented at the 24th Meeting of

- International Scientific Council for Trypanosomiasis Research and Control, Maputo, Mozambique, 29th September - 3rd October 1997.
15. Swallow, B.M., 1997. "The Relevance of Douglass North's Theory of Institutional Change for Understanding Property Rights Change in Africa," Paper presented at the Annual meeting of the American Association of Agricultural Economics, Toronto, Canada, July 28-31, 1997.
 14. Swallow, B.M., 1995. "Evaluating the willingness of Ghibe Valley (Ethiopia) residents to contribute time and money to a tsetse control programme using targets." Sones, K.R. (ed.). OAU, Nairobi (Kenya). Scientific, Technical and Research Commission. Proceedings of the twenty second meeting of the International Scientific Council for Trypanosomiasis Research and Control. OAU/STRC Publication. no. 117. p. 282-292. Nairobi (Kenya): OAU.
 13. Swallow, B.M., 1995. "Evaluation of pour-on by Ethiopian farmers." Sones, K.R. (ed.). OAU, Nairobi (Kenya). Scientific, Technical and Research Commission. Proceedings of the twenty second meeting of the International Scientific Council for Trypanosomiasis Research and Control. OAU/STRC Publication. no. 117. p. 309. Nairobi (Kenya): OAU.
 12. Swallow, B.M., and Meinzen-Dick, R., 1994. "Multiple Functions of Common Property Regimes," In B.M. Swallow, R. S. Meinzen-Dick, L.A. Jackson, T.O. Williams and T. A. White, Multiple Functions of Common Property Regimes, EPTD Workshop Summary Paper No. 5. International Food Policy Research Institute: Washington D. C., pp. 1-5.
 11. Swallow, B.M., Ehui, S., and Williams, T., 1994. "Economic Factors and Policies Encouraging Environmentally Detrimental Land-Use Practices in sub-Saharan Africa." Invited paper in Agricultural Competitiveness: Market Forces and Policy Choice, Proceedings of the XXII conference of the International Association of Agricultural Economists, Harare, Zimbabwe, 22-29 August 1994.
 10. Swallow, B.M., and Mulatu, W., 1993. "Evaluating the Willingness of Ghibe Valley (Ethiopia) Residents to Contribute Time and Money to a Tsetse Control Programme Using Targets." Proceedings of the 22nd Meeting of the International Scientific Council for Trypanosomiasis Research and Control, Kampala, Uganda, 25-29 October 1993.
 9. Swallow, B.M., Kamara, D., Echessah, P, and Curry, J. 1993. "Assessment of Socioeconomic Factors Affecting Implementation of Community-Based Tsetse Control -Busia, Kenya." Proceedings of the 22nd Meeting of the International Scientific Council for Trypanosomiasis Research and Control, Kampala, Uganda, 25-29 October 1993.
 8. Swallow, B.M., Jabbar, M.A., and d'Ieteren, G.D.M., 1995. "The Demand for Trypanotolerant Cattle: Evidence on Farmers' Breed Preferences and Breeding Practices in Southern Nigeria." Paper presented at the 23rd Meeting of the International Scientific Council for Trypanosomiasis Research and Control, Banjul, The Gambia, 11-15 September 1995.
 7. Swallow, B.M., 1995. "Do Contingent Contributions Imply Contingent Valuations? Assessing Willingness to Contribute to Local Public Goods in Kenya" Paper presented to the 5th Conference of the International Association for the Study of Common Property, Bodoe, Norway, 24-28 May, 1995.
 6. Swallow, B.M., 1994. "Overview of ILCA's research on property rights." Swallow, B.M. (ed.). ILCA, Addis Ababa (Ethiopia). Evaluating the relationships between property rights, risk, technology and productivity in sub-Saharan Africa. Proceedings of a workshop. ILCA Socio-Economics and Policy Research Working Document. no. 18. p. 4-8. Addis Ababa (Ethiopia): ILCA.
 5. Swallow, B.M., 1992. "Environmental Issues and ILCA Research Agenda." Paper presented at the ILCA Planning Workshop on Livestock and Resource Management Policy: Issues and Priorities for Research. Addis Ababa, Ethiopia, ILCA, 24-27 February 1992, pp. 127-137.
 4. Swallow, B.M., and Bromley, D.W., 1992. "Internally-Enforced Contracts in Common Property Regimes." Selected paper presented at the American Agricultural Economics Association, Baltimore, Maryland. (Abstract in *American Journal of Agricultural Economics*).
 3. Swallow, B.M., 1986. "Conference Summary and Wrap-up." Paper presented at the Hides and Skins Marketing Symposium, Maseru, Lesotho.
 2. Swallow, B.M., 1986. "Historical Analysis of Hides and Skins Marketing in Lesotho." Paper presented at the Hides and Skins Marketing Symposium, Maseru, Lesotho.

1. Swallow, B.M. and Norton, G., 1984. "Evaluating Depreciation and Maintenance Of Agricultural Research." Selected paper presented at the American Agricultural Economics Association, Ithaca, New York, 1984. (Abstract in *American Journal of Agricultural Economics*).

Consultancies:

2015. Prince Albert Grand Council, Prince Albert, Saskatchewan. Community perspectives on plans for remediation of the Gunnar uranium mine site (Pro bono, with Y. Wang).
2015. International Fund for Agricultural Development (IFAD). Land and Natural Resources in Inclusive Transformation. Chapter for 2016 Rural Development Report (with K. Swallow).
2013. International Food Policy Research Institute (IFPRI). Review of the ways that institutions are integrated into bio-economic models (with K. Swallow).
- 2012-13. International Water Management Research Institute (IWMI). Review of institutional findings of the Challenge Programme on Water and Food (with N. Johnson and R. Meinzen-Dick).
2011. ARD - Tetra-Tech for USAID. Devolution of forest rights and Sustainable Forest Management: A review of policies and programs in 16 developing countries. (With S. Lawry, R. McLain, and K. Biedenweg).
2010. World Agroforestry Centre for World Bank Institute. Estimating the Opportunity Costs of REDD+: A Training Manual. (With a team of ASB colleagues)

International Experience:

Africa: Personal research experience: Kenya (resident), Lesotho (resident), Ethiopia, Burkina Faso, Cote d'Ivoire, Gambia, Niger, Tanzania, Zambia

Research supervision, collaboration and periodic visits: Guinea, Cameroon, Tanzania, Zimbabwe, Mozambique, Uganda

Latin America: Research supervision and periodic visits: Colombia, Peru, Brazil

Asia: Personal research experience: Indonesia, Vietnam

Research supervision, collaboration and periodic visits: Philippines, Thailand, India, China

Europe: Periodic visits and collaboration: Finland, Germany, Italy, Norway, Sweden, UK

North America: Personal research experience, periodic visits and collaboration: Canada, USA

Popular Press Contributions and Quotations:

Public outreach for Alberta Land Institute. We wrote a press release & blog that summarized the first phase of our study of the economics of fragmentation and conversion of agricultural land. This led to 1 television interview (Global TV), 4 radio interviews (630 CHED FM, CBC, Corus Radio, CFCW), and stories in *Alberta Farmer*, *Western Producer*, *CBC online*, *Folio*, *Town and Country*, *Barrhead Leader*, *Westlock News*, *Athabasca Advocate*, *Lac La Biche Post*, *Stetler Independent*, *Morinville News*, *Sherwood Park News*. (February – March 2018.)

Research on land use in Alberta. Farmland swallowed by sprawl, but solution costly. *Western Producer*, 26 May 2016.

Canada's decision to withdraw from the Convention to Combat Desertification (May 2013): *Toronto Star*.

Canada's food policy (October 2010): Panelist on *Alberta Primetime*, Access Television Channel.

Promoting the use of carbon markets to benefit Africa farmers and reduce deforestation in agriculture – forest mosaics covered in (Dec 2008): Wires -- Africa Science News Service, Bloomberg, Reuters; Online -- Africa News, *Economic Times Online* (India), Environmental News Network, Mongabay.com, PlanetArk.com, Sciencecodex.com, ScienceDaily, Scientificblogging.com, Softpedia.com

Research on the opportunity costs of CO2 emissions from land use conversion in Indonesia, Peru and Cameroon covered in (Dec 2007): *The Daily Telegraph*, www.inthenews.co.uk, www.sciencedaily.com, www.eurekalert.org, www.inthenews.co.uk, *Asian News International*, www.associatedcontent.com, www.firstscience.com, www.pollutiononline.com, news.webindia123.com, www.physorg.com, biopact.com, www.terradaily.com, tech.groups.yahoo.com, www.climateark.org, www.medindia.net, www.thaindian.com, www.businessspectator.com.au, www.silobreaker.com, www.iran-daily.com, markets.chron.com, forests.org, www.firstscience.com, www.dailyindia.com, www.andhranews.net, feed.lockergnome.com, www.rojo.com, www.greendirectory.net, savetheworldorelse.blogspot.com, www.thecheers.org, www.newkerala.com, wildsingaporenews.blogspot.com, www.martinfrost.ws, www6.forestweb.com, www.medindia.net.

Results of a pan-tropical scoping study of compensation and rewards for environmental services: Ecosystem Marketplace (<http://www.ecosystemmarketplace.com/>).

Research on the effects of the invasive tree, *Prosopis juliflora* on livelihoods of people living in the Baringo area of Kenya quoted in *The Daily Nation*, *The East African*, ID21 (<http://www.id21.org/nr/n4em1g1.html>).

Results on gender relations and water resource management reported in ID21 (<http://www.id21.org/nr/n4em1g1.html>).

Research on the linkages between land degradation and eutrophication of Lake Victoria quoted, or interviews given to (1999), *The Daily Nation (Kenya)*, *The East African (Kenya)*, BBC World Service One Planet (Radio), CBC Nightly News (Television, Canada)

Research on trypanosomiasis control: *TryNews*, *African Farming*, *SPORE*