

CATHERINE LAROCHELLE

CONTACT INFORMATION

Department of Agricultural & Applied Economics
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EDUCATION

Ph.D., Agricultural and Applied Economics, Virginia Tech, 2011
Graduate Certificate, Future Professoriate, Virginia Tech, 2011
M.S., Resource Economics and Policy, University of Maine, 2005
B.S., Agricultural Economics, Laval University, Quebec, Canada, 2003

ACADEMIC EXPERIENCES

Assistant Professor, Agricultural and Applied Economics, Virginia Tech, Dec. 2015-Present.

Research Assistant Professor, Agricultural and Applied Economics, Virginia Tech, Dec. 2013-December 2015

Post-Doctoral Research Associate, Agricultural and Applied Economics, Virginia Tech, August 2011-Dec.2013. Research focused on adoption and impact of improved potato and bean varieties in Rwanda and Uganda.

PROFESSIONAL EXPERIENCES

Consultant, HarvestPlus, June 2012-July 2013. Conduct statistical analysis, writing up of the bean varietal adoption report, and development of GIS maps for bean and sweet potato varietal choice and production.

Consultant, World Bank, January to July 2011. Supported ZimStat for the Analysis of the 2007/08 Incomes, Consumption, and Expenditure Survey Project. Conducted data processing and poverty analysis.

Canadian International Development Agency's International Youth Internship Program, Société de Coopération pour le Développement International (SOCODEVI), Lima, Peru, August 2005-March 2006. Provided support to four agricultural cooperative presidents on marketing, accounting, and organizational aspects. Trained cooperative employees and members on fair-trade and organic certifications.

EXTERNAL FUNDING

Hareau G., G. Forges, K. Xie, J. Alwang, **C. Larochele**, G.W. Norton. Adoption and Diffusion of C88 Potato Variety in China: Spatial Variability of Productivity Gains and Cost Savings and Value Chain Development. CGIAR's Standing Panel on Impact Assessment. \$200,000. 2015-2017.

C. Larochele. Household demand for legumes in Ethiopia and Nigeria. ICRISAT and IITA. \$28,600. 2015-2016.

C. Larochele. Estimating household demand for millet and sorghum in Niger and Nigeria using an Almost Ideal Demand System. USAID in partnership with ICRISAT. \$29,000. 2015.

Labarta, R.A., E. Katungi, S. Beebe, D. Asare-Marfo, E. Birol, M. Moursi, A. Murekezi., **Larochele, C.**, J. Alwang, and G.W. Norton. Assessing impacts of adoption of high iron bean varieties and their impact on iron intakes and other livelihood outcomes in Rwanda. CGIAR's Standing Panel on Impact Assessment. \$200,000. 2014-2016.

Larochele, C. Disaggregated analysis of bean consumption demand and contribution to household food security in Uganda and Tanzania. CGIAR. \$66,528. 2014-2015.

Norton, G. W, J. Alwang, and **C. Larochele**. Strengthening Impact Assessment in the CGIAR: New partnerships for building impact assessment capacity. CGIAR's Standing Panel on Impact Assessment. \$286,122. 2014-2015.

Larochele, C. and J. Alwang. Varietal Adoption of Beans and Sweet Potatoes in Rwanda and Uganda. CGIAR. \$60,803. 2013-2014.

Alwang J., **C. Larochele**, & G.W. Norton. Deepening the analysis of impacts of bean and sweet potato research in Uganda and Rwanda. CGIAR/Bill and Melinda Gates Foundation. \$35,000. Partnership with CIP & CIAT and National Agricultural Research Systems in Uganda and Rwanda. 2013.

PEER-REVIEWED JOURNAL ARTICLES

Larochele, C., Alwang, J., & Taruvinga, N. (2016). Schooling Achievement among Rural Zimbabwean Children during a Period of Economic Turmoil. *Comparative Education Review*, 60(2), 311-338. DOI: 10.1086/685582

Larochele, C. & Alwang, J. (2015). Explaining Marketing Strategies among Bolivian Potato Farmers. *Quarterly Journal of International Agriculture*, 54(3), 285-308.

Larochele, C., Alwang, J., & Taruvinga, N. (2014). Inter-temporal Changes in Well-being During Conditions of Hyperinflation: Evidence from Zimbabwe. *Journal of African Economies*, 23(2), 225-256. doi:10.1093/jae/ejt028

Larochelle, C. & Alwang, J. (2013). The Role of Risk Mitigation in Production Efficiency: A Case Study of Potato Cultivation in the Bolivian Andes. *Journal of Agricultural Economics*, 64, 363-381. doi: 10.1111/j.1477-9552.2012.00367.x

Larochelle, C., Alwang, J., & Botello R. (2012). Análisis de la eficiencia en la producción de papa. *Revista de Agricultura (BOLIVIA)*, 51 (July), 27-37.

BOOK CHAPTER

Larochelle, C., Alwang, J., Norton, G.W., Katungi, E. & Labarta, R.A. (2015). Impacts of Improved Bean Varieties on Poverty and Food Security in Uganda and Rwanda. Chapter 16 in Thomas S. Walker and Jeffrey Alwang (eds.), *Crop Improvement, Adoption and Impact of Improved Varieties in Food crops in Sub-Saharan Africa*. CABI Publishing.

SELECTED TECHNICAL REPORTS AND OTHER PUBLICATIONS

Larochelle, C., Asare-Marfo, D., Birol, E. & Alwang, J. (2016). Assessing the Adoption of Improved Bean Varieties in Rwanda and the Role of Varietal Attributes in Adoption Decisions. HarvestPlus Working Paper No. 25. Washington, D.C.: International Food Policy Research Institute (IFPRI).
<http://ebrary.ifpri.org/cdm/ref/collection/p15738coll2/id/130724>

Cheng, Z. & **Larochelle, C. (2016).** Estimating household demand for millet and sorghum in Niger and Nigeria. ICRISAT Socioeconomics Discussion Paper Series No. 39. Nairobi, Kenya.
http://oar.icrisat.org/9529/1/Cheng_Larochelle_2016_ISEDPS_39.pdf

Asare-Marfo, D.; Herrington, C.; Alwang, J.; Birachi, E.; Birol, E.; Diressie, M.T.; Dusengetse, L.; Funes, J.; Katungi, E.; Labarta, R.; **Larochelle, C.**; Katsvairo, L.; Lividini, K.; Lubowa, A.; Moursi, M.; Mulambu, J.; Murekezi, A.; Musoni, A.; d'Amour Nkundimana, J.; Oparinde, A.; Vaiknoras, K.; Zeller, M. (2016). Assessing the Adoption of High Iron Bean Varieties and Their Impact on Iron Intakes and Other Livelihood Outcomes in Rwanda. Listing Exercise Report. IFPRI, Washington, DC, USA, 43 pp.
http://www.harvestplus.org/sites/default/files/publications/HarvestPlus_HIB%20Listing%20Exercise%20Report_2.pdf

Larochelle, C., Katungi, E. & Beebe, S. (2015). Disaggregated Analysis of Bean Consumption Demand and Contribution to Household Food Security in Uganda. Prepared for the International Center for Tropical Agriculture (CIAT). Cali, Columbia.

Asare, E., **Larochelle, C.** & Alwang, J. (2015). Explaining the Adoption of Improved Bean Varieties in Uganda. Prepared for HarvestPlus. Washington DC, USA.

Larochelle, C., Alwang, J., Norton, G.W., Katungi, E. & Labarta, R.A. (2014). Impact of Bean Research in Rwanda and Uganda. Impact Brief No. 46, Independent Science and Partnership Council (ISPC), Standing Panel on Impact Assessment (SPIA). http://impact.cgiar.org/sites/default/files//pdf/SPIA_Impact-Brief-46_Jan2015.pdf

Larochelle, C. (2014). Sweetpotato in Uganda: Adoption of Improved Varieties and Marketing Decisions. Prepared for HarvestPlus. Washington DC, USA.

Alwang J. & **Larochelle, C.** (2011). Poverty in Zimbabwe: An Assessment Using the 2007/8 ICES. Report to the Central Statistical Office and Government of Zimbabwe. 120 pp.

ARTICLES IN PROGRESS

Alwang J., **Larochelle, C.**, & Barrera, V.H. Farm Decision making and Gender: Results from a Randomized Experiment in Ecuador. *In Revision.*

Farris, J., Alwang, J., Norton, G.W., **Larochelle, C.**, & King, C. Poverty Analysis Using Small Area Estimation: An Application to Conservation Agriculture in Uganda. *In Revision.*

Larochelle, C., Alwang, J., Travis, E., Barrera, V.H., & Dominguez, J.M. Did you really get the message? Using text reminders to stimulate adoption of agricultural technologies. *Under review.*

Katungi, E., **Larochelle, C.**, Mugabo, J., & Buruchara, R. Estimating the impact of climbing bean adoption on yield in Rwanda. *Under review.*

Katungi, E., **Larochelle, C.**, Mugabo, J., & Buruchara, R. The impact of improved climbing bean adoption on the welfare of smallholder common bean growers in Rwanda. *Under review.*

HONORDS AND AWARDS

- Scholar of the Week, Virginia Tech, Week of May 12 2014.
- 2011 Outstanding Dissertation Award, Social Sciences, Business, Education, and Humanities Category, Virginia Tech, 2012.
- Graduate Student Association Travel Award, Virginia Tech, May 2010
- Doctoral Research Scholarship, Fonds de Recherche sur la Nature et les Technologies, Québec, Canada, May 2008-August 2009
- Scholarship, Laval University, Quebec Dairy Producers Association, 2003
- Scholarship, Laval University, Canadian Exchange Program (CANEX), 2002
- Scholarship, Laval University, Research Centre in Horticulture, 2002

- Distinction for outstanding academic performance, Laval University, Agricultural Economics, 2002

TEACHING

<i>Course</i>	<i>Year</i>	<i>Semester</i>	<i>Students enrolled</i>
AAEC 4344: Sustainable Development Economics	2010	Fall	36
AAEC 3204: International Agricultural Development and Trade	2015	Fall	48

GRADUATE STUDENT ADVISING

Current Students, Chair or Co-Chair:

Kate Vaiknoras, Ph.D. Expected graduation in 2018.

Catherine O'Donnell, M.S. Expected graduation in 2016.

Completed Students, Chair or Co-Chair:

Stephanie Myrick, M.S. Graduated in 2016

Elli Travis, M.S. Graduated in 2016

Current Students, Committee member:

Farhanaz Sharmin, Ph.D.

Xin Ning, Ph.D.

Completed Students, Committee member:

Vanessa Carrion, Ph.D. Graduated in 2016

Jarrad Farris, M.S. Graduated in 2015

SELECTED PRESENTATIONS (* Denotes Presenting Author)

5th African Association of Agricultural Economists Conference: Addis Ababa, Ethiopia, September 2016.

Presentation: **Larochelle, C***, Katungi, E, & Cheng, Z. *Household consumption and demand for bean in Uganda: Determinants and implications for nutrition security.*

Presentation: Katungi, E*, **Larochelle, C.**, Mugabo, J., & Buruchara, R. *Estimating the impact of climbing bean adoption on bean productivity in Rwanda.*

Agricultural and Applied Economics Association Annual Meeting: Boston, MA, July-August 2016.

Presentation: **Larochelle, C.***, Alwang, J., & Travis, E. *Did you really get the message? Using text reminders to stimulate adoption of agricultural technologies.*

Presentation: O'Donnell, C., Pradel, W., Hareau, G., Quintanilla, L., **Larochelle, C.**, Alwang, J.*. *Impacts of CIP potato variety development on food security in highland Peru.*

Discussant: *Gender and Generation: Intrahousehold Perspectives on Technology Adoption in the West Africa Sahel.*

Agricultural and Applied Economics Association Annual Meeting: Minneapolis, MN, July 2014.

Presentation: Larochelle, C.* and J. Alwang. *Impact of improved bean varieties on food security in Rwanda.*

Agricultural and Applied Economics Association Annual Meeting: Washington DC, August 2013.

Discussant: *Adaptation to and Mitigation of Climate Change: The Potential Role of Conservation Agriculture in Developing Countries.*

IFPRI/HarvestPlus, Brown Bag Seminar: Washington DC, June 11, 2013.

Presentation: **Larochelle, C.***. *Determinants of Bean Varietal Adoption and its Ex-Post Impacts on Food Security in Rural Rwanda.*

Department of Agricultural and Applied Economics, Research Seminar: Virginia Tech, Blacksburg, VA, March 8, 2013.

Presentation: **Larochelle, C.*** and J. Alwang. *Ex-Post Impacts of Adopting Improved Bean Varieties on Income and Food Security in Rwanda and Uganda.*

International Center for Tropical Agriculture (CIAT), Research Seminar: Kampala, Uganda, March 25, 2013.

Presentation: **Larochelle, C.***, E. Katungi* and J. Alwang. *Socio-Economic Impacts of Bean Research and Extension in Eastern Africa: A case study of Rwanda and Uganda.*

Standing Panel on Impact Assessment, Bill and Melinda Gates Foundation, Workshop on Measuring Poverty Impacts of New Varieties in Africa: Rome, Italy, November, 2012.

Presentation: **Larochelle, C.***, J. Alwang, G.W. Norton, M. Capelli, E. Katungi, R. Andrade, R. Labarta, and S. Wambugu. *Assessing the impact of improved varieties in Rwanda and Uganda.*

International Association of Agricultural Economists Triennial Conference: Foz do Iguaçu, Brazil, August 2012.

Poster: **Larochelle, C.*** and J. Alwang. *Market participation decisions and market choice.*

Agricultural and Applied Economics Association Annual Meeting: Seattle, WA, August 2012.

Presentation: Larochelle, C.* and J. Alwang. *Schooling achievement amongst Zimbabwean children during a period of economic chaos, 2001-07/8.*

Northeastern Agricultural and Resource Economics Association Annual Meeting: Atlantic City, NJ, June 2010.

Presentation: **Larochelle, C.*** and J. Alwang. *Linkages between environment, risk mitigation, and efficiency in potato production in Bolivia.*

International Association of Agricultural Economists Triennial Conference: Queensland, Australia, August 2006.

Presentation: **Larochelle, C.** and T.J. Dalton*. *Transient Health Shocks and Agricultural Labor Demand in Rice Producing Households in Mali.*

ACADEMIC SERVICES & RELATED ACTIVITIES

Executive Committee, Colleague of Agriculture and Life Sciences Faculty Association, Virginia Tech, June 2014-Present.

Peer-reviewed journal referee services: *Agricultural Economics*; *Review of Economics of the Household*; *Review of Development Economics*; *Quarterly Journal of International Agriculture*; *Agricultural Education and Extension*; *African Journal of Agricultural Research*; HarvestPlus Working Papers; and International Potato Center (CIP) Working Papers.

Conference services: Topic Leader for the International Development section of the 2015 and 2016 AAEA Annual Meeting; Abstracts Reviewer for the 2016 AAEA Annual Meeting; Papers Reviewer for the African Association of Agricultural Economists 5th Conference; Reviewer for International Association of Agricultural Economists, Triennial Conference, 2012; Reviewer for Graduate Research Symposium, Virginia Tech, 2009.

Graduate Advisory Committee, Student Representative, Department of Agricultural and Applied Economics, Virginia Tech, October 2007-2010.

PROFESSIONAL AFFILIATIONS

Member, Agricultural and Applied Economics Association (AAEA)

Member, International Association of Agricultural Economists (IAAE)

Member, Agricultural Economics Society (AES)

Member, African Association of Agricultural Economists (AAAE)