

Resume



Julius Juma Okello

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Biodata

- **Date of Birth:** November 23, 1965
- **Gender:** Male
- **Marital Status:** Married
- **Nationality:** Kenya

Education

Ph.D. (2005), Agricultural Economics, Michigan State University

- **Major Fields:** International Agricultural Development with specialization in agricultural markets and marketing and an Interdepartmental Specialization in Resource and Environmental Economics
- **Dissertation Research:** "Compliance with international food safety standards: The case of green bean farmers in Kenya" examines how Kenyan farmers' health, incomes, and participation in premium export markets are affected by international food safety standards. It was based on survey of Kenyan green bean family farms and case studies of small and large farms during 2003/2004. Completed in December, 2005.

M.S. (1994), Agricultural Economics, University of Nairobi

- **Thesis title:** Productivity and technical change in Kenya's agricultural sector: 1964-1990

B.S. (1991), Agriculture (with First Class Honors), University of Nairobi

Professional Experience

- **Lecturer & Agribusiness Management Program Coordinator (April 2006 to date)** University of Nairobi, Department of Agricultural Economics. Courses currently taught: Development Economics (Graduate), Statistics for Economists (Graduate), Dryland Resource Economics (Graduate), Agricultural Development (Undergraduate), Natural Resource Use and Management (Undergraduate), and Organizational Theory (Undergraduate).
- **Food and Agriculture Organization Study Consultancy (June 2011 to date):** Study of competitiveness of maize production and marketing and farmer attitudes towards maize production. My roles include design, implementation of survey and preliminary data analysis alongside researchers from FAO.
- **InfoDev-World Bank Study Consultancy (February 2011 to date):** Value chain analysis of agricultural subsectors with the greatest potential for business incubation. My role is to identify the subsectors that have greatest potential to attract and sustain growth of value-addition businesses and prepare value chain report on each subsector.
- **Oxfam America Study Consultancy (June 2009 to May, 2010):** Analysis of how expanded access to the US market (duty-free and quota-free) and trade capacity-building assistance could increase exports from Sub-Saharan African countries to the US. The study focuses on the horticulture sector in Kenya. Involves stakeholder interviews.
- **International Livestock Research Institute (ILRI) Study Consultancy (March – April 2009):** Regional Consultant for a regional poultry sector study to aid in risk mapping activity for Highly Pathogenic Avian Influenza preparedness. The study countries include Kenya, Tanzania, Uganda, Eastern Democratic Republic of Congo, and Rwanda.
- **International Livestock Research Institute (ILRI) Study Consultancy (January - March 2009):** Country Value Chain Analyst in an international Highly Pathogenic Avian Influenza (HPAI) project to assess preparedness of Kenya to HPAI outbreak in Kenya. Duties included preparation of value chain analysis report.
- **Food and Agriculture Organization (FAO) Study Consultancy (June 2008 & February 2009),** Country coordinator of a project "Policies for Sustainable

Management of Food Price Increases". Responsibilities include coordination of data analysis, compilation of country report, organizing stakeholders' consultation workshop, production of policy briefs and preparation of a country position paper on impact food price inflation in Kenya for presentation in regional workshop in Tanzania in April 2009.

- **World Bank Short Term Consultancy (July 2007 to June, 2009)**, A team member and Kenya country leader in a multi-country study examining the role of donor interventions in facilitating participation of African smallholder horticultural farmers in high value domestic and international markets.
- **Pride Africa Research Study Consultancy (April 2007 – February 2009)**, Consultant Researcher in Pride Africa's DrumNet project on using ICT to link Kenyan smallholder farmers to business services providers and high value markets. Responsibilities include baseline and end term household surveys and market studies.
- **Adjunct Scientist (July 2006 to June 15, 2008)**, International Crops Research Institute for Semi Arid Tropics, Nairobi. Value chain analysis and assessment of constraints to and impact of adoption and commercialization of legumes crops in eastern and southern Africa. Coordinated market studies and household surveys in Western Kenya (2007), Eastern Kenya (2007) and Malawi (2008). These surveys had components that dealt with seed systems.
- **Consultant (December 2005 to June 2006) International Food Policy Research Institute**, A study on the effects of international food safety standards on smallholder green bean family farmers in Zambia, Kenya and Ethiopia. Included analysis of green bean value chain to identify critical control points at which smallholder farmers can be marginalized by food safety requirements.
- **Graduate Research & Teaching Assistantships (August 2004 to August 2005)**, Department of Agricultural Economics, Michigan State University, Awarded to aid in the completion of my PhD program and dissemination of findings.
- **World Bank Short Term Consultancy (October 2003 to April 2004)** for a case study of farm-level effects of international food safety standards on fresh exports vegetable (especially green beans) farmers in Kenya.
- **Graduate Fellow (1999-2004)**, Department of Agricultural Economics, Michigan State University. Rockefeller Foundation award for PhD training.

- **Junior Research Fellow (1998-1999), Institute of Policy Analysis and Research, Nairobi, Kenya.** Coordinated research project "Liberalization of Kenya's major export crops: with special emphasis on coffee and tea sub-sectors." Supervised field data collection in 4 Districts of Kenya and data analysis.
- **Assistant Lecturer (1995 – March 1999), University of Nairobi.** Taught undergraduate Principles of Microeconomics and Agricultural Marketing.
- **Research Assistant (1999).** Evaluation of National Extension Project II; funded by the World Bank. Interviewed a sample of 140 frontline extension workers in Western Kenya. Supervised data entry and analysis, and prepared draft report.
- **Research Assistant (1997).** Evaluation of agricultural technology adoption by women in Embu and Mbeere Districts of Kenya (1997); funded by Canadian International Development Research Center. Supervised field data collection and entry into SPSS.
- **Research Assistant (1994-95),** Adoption and economic impacts of agricultural technologies in Kenya; funded by African Development Bank. Coordinated field data collection from Kenya Agricultural Research Institutes.

Publications

a) Journal articles

1. Katengeza, S., B. Kiiza and **J.J. Okello.** (2011). The role of ICT-based market information services in spatial food market integration: The case of Malawi Agricultural Commodity Exchange. *International Journal of ICT Research and Development in Africa.* 2(1):1-14
2. Ngigi, M.W., **J.J. Okello**, C.L Lagerkvist, N. K. Karanja, and J. Mburu (2011). Urban consumers' willingness to pay for quality of leafy vegetables along the value chain: The case of Nairobi kale consumers, Kenya. *International Journal of Business and Social Science.* 2(4):208-216
3. **Okello, J.J.** (2011). The role of collective action in overcoming the challenges of European food safety standards: The case of Kenya's French bean and Nile perch industries. *Agricultural Science Research Journal.* 1(1):30-37

4. Okello, J.J. (2011). Exit, voice and loyalty in Kenya's French bean industry: What lessons can we learn from smallholder farmers' past response to international food safety standards? *African Journal of Food Agriculture, Nutrition and Development*. 11(1): 4460-4475
5. Wambugu, S. N., J.J. Okello and R.A Nyikal. (2010) Effect of social capital on performance of smallholder producer organizations in western Kenya. Submitted to *Journal of Agricultural Sciences and Technology*, 4(6): 10-19
6. Maobe, S.N., M.W.K. Mburu, L.S.M. Akundabweni, J.K. Ndafa, J.G. Mureithi, C.K.K. Gachene, F.W. Makini and J.J. Okello. (2010). Residual effect of *Mucuna pruriens* green manure application rate on maize (*Zea mays L.*) grain yield. *World Journal of Agricultural Sciences*, 6 (6): 720-727
7. Okello, J.J. and S. Swinton. (2010). "From circle of poison to circle of virtue: Pesticides, export standards and Kenya's green bean farmers". *Journal of Agricultural Economics*, 61: 209-224
8. Okello, J.J., and R. M. Okello. (2010). "Do EU standards promote environmentally-friendly fresh vegetable production? Evidence from Kenyan green bean industry". *Environment, Development and Sustainability*. 12 (3): 341-355
9. Gitonga, Z.M., A. Chabi-Olaye, D. Mithoefer, J.J. Okello, and C. N. Ritho. (2010). Control of invasive *Liriomyza* leaf miner species and compliance with international food safety standards by small scale snow pea farmers in Kenya. *Crop Protection*, 29 (12): 1472-1477
10. Okello, J.J., E. Ofwona-Adera, O.L.E Mbatia, and R.M. Okello. (2010) Using ICT to integrate smallholder farmers into agricultural value chains: The case of DrumNet project in Kenya. *International Journal of ICT Research and Development in Africa*. 1:23-37
11. Maumbe, B.M. and J.J. Okello. (2010). The use of information and communication technologies (ICT) in agriculture and rural development in Sub-Saharan Africa: Experiences from South Africa and Kenya. Submitted as a special issue in *International Journal of ICT and Rural Development in Africa*. 1:1-22

12. **Okello, J.J.**, R. Al Hassan and R. M. Okello. (2010). A framework for analyzing the role of ICT on agricultural commercialization and household food security. *International Journal of ICT Research and Development in Africa*. 1:38-50
13. B. Shiferaw, **J.J. Okello** and R.V. Raddy. (2009). "Adoption and adaptation of natural resource management innovations in smallholder agriculture: Reflections on key lessons and best practices". *Environment, Development and Sustainability*, 11 (3): 601-619
14. Narrod, C., R. Devesh, **J.J. Okello**, B. Avendano, K. Rich and A. Thorat. (2009). "Role of public-private partnerships in ensuring smallholder participation in high valued fruit and vegetable supply chains". *Food Policy*. 34: 8-15
15. **Okello, J.J** and S.M. Swinton. (2007). "Compliance with international food safety standards in Kenya's green bean industry: a paired case study of small and large family farms." *Review of Agricultural Economics*. 29:269-285.
16. **Okello, J.J** and S.M. Swinton (2006) "Do international food safety standards marginalize the poor? Evidence from Kenya's green bean family farmers" *Journal of Food Distribution and Research* 37 (1)18

b) Journal Papers in Press

1. Kutto, E., M. Ngigi, N. Karanja, E. Kange'the, L.C. Bebora, C. J. Lagerkvist, P.G. Mbuthia, L. Njagi, and **J.J. Okello**. Bacterial contamination of kale (*Brassica oleracea Acephala*) along the supply chain in Nairobi and its environs. *East Africa Medical Journal*. **In press**
2. **Okello, J.J** and S.M. Swinton. Serving two masters? The challenges Kenyan smallholder French bean farmers face in meeting EU food standards and exporters' needs. *International Journal of Applied Agricultural Economics and Agribusiness*. **In press**
3. **Okello, J.J.** (Forthcoming). Export standards, market institutions and smallholder farmer exclusion from fresh export vegetable high value chains: Experiences from Ethiopia, Kenya and Zambia. *Journal of Agricultural Sciences*. **In Press**

c) Book Chapters

1. Okello, J.J and S.M. Swinton. (2011). International food safety standards and the use of pesticides in fresh export vegetable production in developing countries: Implications for farmer health and the environment. In *Pesticides: Formulation, Effects and Fate*. Margarita Stoytcheva (Ed), pg 184-198. INTECH Publisher.
2. Okello, J.J., R. Okello and E. Ofwona-Adera. (2009). "Awareness and use of mobile phones by smallholder farmers in Kenya". In Blessing Maumbe (Ed), *E-Agriculture and E-Government for Global Policy Development: Implications and Future Directions*. 2009. IGI Publishers.
3. Okello, J.J., C. Narrod and D. Roy (2009) "Smallholder farmers' compliance with international food safety standards is not a fantasy: evidence from African green bean producers" In Evaline B. de Battisti, James McGregor and Andrew Graffham (Eds) *Standard Bearers: Horticultural Exports and Private Standards in Africa*. Natural Resources Institute. London, UK.
4. Shiferaw, B., J.J. Okello, and V. Ratna (2008) "Challenges of Adoption and adaptation of land water management options in smallholder agriculture: Synthesis of lessons and experiences" In S.P. Wani, J. Rockstrom and T. Oweis (Eds) *Challenges of Adoption and Adaptive Management for Enhancing Impact in Rainfed Areas*. Pg 355-372. CABI Publishers.
5. Narrod, C., D. Roy and J.J. Okello (2008), "Impact of International Food Safety Standards on Smallholders: Evidence from three cases in Africa". In E. McCulloh, P. Pingali and K. Stamoulis (Eds) *The Transformation of Agrifood Systems: Globalization, Supply Chains, and Smallholder Farmers*. FAO. Rome
6. English, P., S. Jaffee and J.J. Okello (2006) "Exporting out of Africa: The Kenya Horticulture Success Story." In R. B. Liebenthal and M.L Fox (Eds) *Attacking Africa's Poverty: Experiences from the Ground*. World Bank, Washington DC.

d) Book Chapters in Press

1. Okello, J.J. (Forthcoming). "ICT-based market information services (MIS) projects, deployment environment and performance: Experiences from KACE and DrumNet projects in Kenya". In *E-Agriculture and Rural Development: Global Innovations and Future Prospects*. Blessing Maumbe (Ed), IGI Publishers. **In Press**

2. Shiferaw, B. and **J.J. Okello** (Forthcoming) "Stimulating smallholder investment in sustainable land management: Overcoming market, policy and institutional challenges". In *Agricultural Investments, Livelihoods and Sustainability in East African Agriculture*. Resources for the Future. **In press**
3. Jaffee, S., J. Humphrey, **J.J. Okello**, M. Jensen, S. Henson and J. Lamb. (Forthcoming). "Mainstream horticultural products for high-end market segments". In *Agri-food Systems and Economic Development*. Chapter 7. Spencer Henson and Steve Jaffee (Eds). Routledge Economics Publishers. **In Press**

e) Journal Papers and Book Chapters under Review

1. **Okello, J.J.**, C. J. Lagerkvist, S. Hess, M. Ngigi, and N. Karanja. Choice of fresh vegetable retail outlets by developing-country urban consumers: The case of kale consumers in Nairobi, Kenya. *European Journal of Development Research*. Review comments received in May 26, 2011. Revision submitted in June 2011
2. Lagerkvist, C.J., **J.J. Okello**, and N. Karanja. Measuring consumer food quality values using best-worst scaling: A supply chain approach to leafy vegetables from peri-urban farming. *Journal of Development Studies*
3. Lagerkvist, C. J., S. Hess, M. Ngigi, and **J. J. Okello** Consumers' preferences for food safety in urban markets of a developing country: Relative reference-dependence and determinants to the willingness to pay for safer vegetables. *Journal of Consumer Affairs*
4. Nyamwamu, B., **J.J. Okello** and G. Kironchi. Drivers of the transition from pastoralism to vegetable farming in Africa's arid and semi arid areas and implications for soil fertility management: The case of Kenyan pastoralists. *Journal of Agricultural Science and technology*.
5. Mgonja, M.A., **J.J. Okello**, S. G. Mwangi, J. D. Alumira, E. Manyasa, J. Ouma, L. Godiah, J. Kibuka and H. Ojulong. Evidence and drivers of seed and pollen-mediated gene flow in sorghum and implications on deployment of transgenics and biosafety regulations: The case of Kenya. Submitted on 23 October, 2008 to *Food Agriculture and Environment*.

f) Other professional publications

1. **Okello, J.J.**, and L.N. Ndirangu. 2010. Does the environment in which ICT-based market information services (MIS) projects operate affect their performance? Experiences from Kenya. Selected paper presented at African Association of Agricultural Economists meetings, Cape Town, South Africa, 19-23 September 2010
2. Katengeza, S., B. Kiiza and **J.J. Okello**. 2010. The role of ICT-based market information services in spatial food market integration: The case of Malawi Agricultural Commodity Exchange. Selected paper presented at African Association of Agricultural Economists meetings, Cape Town, South Africa, 19-23 September 2010
3. Kirui, O. **J.J. Okello** and R.A. Nyikal. 2010. Awareness and use of m-banking services in agriculture: The case of smallholder farmers in Kenya. Selected paper presented at African Association of Agricultural Economists meetings, Cape Town, South Africa, 19-23 September 2010
4. Ngigi, M., **J.J Okello**, C.J. Langerkvist, J. Mburu and N. Karanja. 2010. Assessment of developing-country urban consumers' willingness to pay for quality of leafy vegetables: The case of middle and high income consumers in Nairobi, Kenya. Selected paper presented at African Association of Agricultural Economists meetings, Cape Town, South Africa, 19-23 September 2010.
5. **Okello, J.J.** 2010. Does use of ICT-based market information services (MIS) improve welfare of smallholder farm households? Evidence from Kenya. Poster paper presented at American Association of Agricultural Economists, Denver, Colorado, 25-27 July, 2010
6. Hitayezu, P., **J.J. Okello**, and C.O. Gor. 2010. Drivers of household participation in rural non-farm labor markets in post-war Rwanda. Poster paper presented at American Association of Agricultural Economists, Denver, Colorado, 25-27 July, 2010
7. **Okello, J.J.** (2010). Linking smallholder farmers through ICT-mediated transactions: Experiences from Kenya. Presentation made at IDRC/DFAIT Conference on *Africa's New Frontier: Innovation, Technology, Development*, Ottawa, Canada, February 4 - 5, 2010.

8. Okello, J.J (2009) "The 2007-2008 Food price swing: impact and policies in Kenya". FAO Discussion Paper. Available for download at <http://www.fao.org/es/esc/foodpriceswing/papers/Price swings Kenya.pdf>
9. Mgonja, M., J.J. Okello, S. G. Mwangi, E. Manyasa, J. Ouma, L.Godiah, J. Alumira, & J. Kibuka. (2009). "Prevalence and drivers of gene and pollen mediated gene flow in sorghum: Implications for biosafety policy and regulation in Kenya". Contributed paper presented at the International Association of Agricultural Economists Conference, Beijing, China, August 16-22, 2009
10. Okello, J.J., C. Narrod, and D. Roy. (2009). "Why market institutions disfavor smallholder farmers' compliance with international food safety standards: Evidence from Kenya, Zambia and Ethiopia". Contributed paper presented at the International Association of Agricultural Economists Conference, Beijing, China, August 16-22, 2009
11. Wambugu, S., J.J. Okello, R. A. Nyikal and B. Shiferaw. (2009). "Effect of social capital on performance of smallholder organizations: The case of groundnut growers in western Kenya. Contributed paper presented at the International Association of Agricultural Economists Conference, Beijing, China, August 16-22, 2009
12. Okello, J.J., E. Ofwona-Adera, and O.L.E. Mbatia. (2009). "Using ICT to integrate smallholder farmers into agricultural value chains: the case of DrumNet in Kenya". A presentation made at the eAgriculture Research Network symposium convened at the International Association of Agricultural Economists Conference, Beijing, China, August 16-22, 2009
13. Maumbe, M. B. and J.J. Okello. (2009). "ICT usage in agriculture and rural development in Sub-Saharan Africa: The case of S. Africa and Kenya". A presentation made at the eAgriculture Research Network symposium convened at the International Association of Agricultural Economists Conference, Beijing, China, August 16-22, 2009
14. Okello, J.J. (2008). "Are EU food safety standards promoting judicious use of pesticides in developing countries? Evidence from Kenyan fresh export industry". Paper presented at the XIIth Congress of the European Association of Agricultural Economists. Ghent, Belgium, August 26-29, 2008.

15. Okello, J.J. (2008) "From spraying to death to judicious spraying: European pesticide standards, pest control and pesticide poisoning in Kenya's green bean industry". Paper presented at 10th Biennial Conference of the International Society for Ecological Economists, Nairobi, Kenya, August 7-11, 2008
16. Okello, J.J. (2008) "Linking smallholder farmers input and output market through ICT-based interventions: Results of a baseline survey. Presented at Pride Africa's Outcome Mapping Workshop held at Jacaranda Hotel, Nairobi, July 25, 2008
17. Okello, J.J., C. Narrod and D. Roy (2008) "Compliance with international foods safety standards is not a fantasy: Evidence African green bean growers" *Fresh Perspectives*. Number 15. April 2008. Available for download at: <http://www.agrifoodstandards.net/en/filemanager/active?fid=145>
18. Shiferaw, B., J.J. Okello, G. Muricho, R. Jones, S. Silim and J. Omiti (2008) "Unlocking the potential of high value legumes in the semi-arid regions: Analysis of the Pigeonpea value chains in Kenya. ICRISAT Working Paper. Pantacheru, India
19. Okello, J.J. C. Narrod, and D. Roy (2007) "Food safety requirements in African green bean exports and their impact on small farmers". IFPRI Discussion Paper No. 00737. Washington DC.
 - a. Available for download at <http://www.ifpri.org/pubs/dp/ifpridp00737.asp>
20. Narrod, C., D. Roy, J.J. Okello, B. Avendano, A. Thorat (2007) "Role of public-private partnerships in ensuring smallholder participation in high valued fruit and vegetable supply chains". CAPRI Working Paper No. 70. IFPRI. Washington DC. Available for download at: <http://dlc.dlib.indiana.edu/archive/00002686/>
21. Mutegi, C.K., S.L. Hendricks, R.B. Jones, J.J. Okello, H.K. Ngugi (2007) "Role of collective action and handling practices on aflatoxin contamination of groundnuts: Evidence from Kenya". Paper presented at the 8th African Crop Science Society Conference in Minia University, El-Minia, Egypt, 27-31 October 2007
22. Okello, J.J., C. Narrod and D. Roy (2007) "The role of public-private partnerships and collective action in ensuring smallholder participation in green bean supply chains in Africa". A paper presented at an ILRI organized symposium at the 2nd

African Association of Agricultural Economists conference in Accra, Ghana, 20-22 August 2007.

23. **Okello, J.J., C. Narrod and D. Roy** (2007) "Institutional innovations for smallholder compliance with international food safety standards: Experiences from Kenya, Ethiopian and Zambian green bean growers". A paper presented at the 2nd African Association of Agricultural Economists conference in Accra Ghana, 20-22 August 2007.
24. Mburu, J. and **J.J. Okello** (2007) "The Prevalence of under-nourished child obese mother phenomenon in rural areas: Evidence from central province of Kenya". A paper presented at the 2nd African Association of Agricultural Economists conference in Accra Ghana, 20-22 August, 2007.
25. **Okello, J.J.** (2006) "From a circle of poisoning to a circle of virtue: Globalization and the use of pesticides in developing countries". Paper presented at the Kenya DAAD Scholars Association Regional Conference on the Principle of Sustainability, University of Nairobi, Kenya, November 30, 2006 to December 1, 2006.
26. Narrod, C., D. Roy, **J.J. Okello**, B. Avendano, A. Thorat (2006) "Role of Public-private partnerships in ensuring smallholder participation in high valued fruit and vegetable supply chains" A paper presented at the CAPRI Research Workshop on Collective Action and Market Access for Smallholders, Cali, Columbia, 2-5 October, 2006
27. **Okello, J.J. and S.M. Swinton** (2006) "The effect of developed country pesticide standards on health and pesticide-induced morbidity of Kenya's green bean family farmers." Contributed paper prepared for presentation at the International Association of Agricultural Economists conference, Gold Coast, Australia, August 12-18, 2006.
28. **Okello, J.J.** (2006) "EU food safety standards and impact exports of green bean and fish from Kenya: What role has collective action played". Pre-conference workshop paper, American Agricultural Economics Association meeting, Long Beach, July 22-27, 2006.
29. **Okello, J.J and C. M. Narrod** (2006) "Seizing the opportunity: Kenya's green bean family farmers achieve traceability and expand production via collective

action and public-private partnerships" Selected poster, American Agricultural Economics Association meeting, Long Beach, July 22-27, 2006

30. **Okello, J.J.** and S. Kirimi (2006) "Developing country farmers' strategic response to developing country food safety standards: The case of Kenyan green bean family farmers." Selected paper, American Agricultural Economics Association meeting, Long Beach, July 22-27, 2006
31. **Okello, J.J.** and S.M. Swinton (2005). "Compliance with international food safety standards in Kenya's green bean industry: a paired case study of small and large family farms." Selected paper, American Agricultural Economics Association meeting, Providence Rhode Island, July 24-27, 2005.
32. **Okello, J.J.** and S. M. Swinton (2005). "A race to the top, but at what cost? Kenyan green bean farmers' struggle to comply with international food safety standards." Selected poster (Finalist for Outstanding Poster Presentation Award), American Agricultural Economics Association meeting, Providence, Rhode Island, 24-27, 2005
33. English, P., S. Jaffee and **J.J. Okello** (2004). "Exporting out of Africa: The Kenya Horticulture Success Story." Paper presented at the World Bank conference on *Scaling Up Poverty Reduction: A Global Learning Process*, Shanghai, May 25-27, 2004
34. **Okello, J. J.** and S. M. Swinton (2004). "The challenges to Kenya's smallholder French bean growers: Meeting EU standards and exporters' needs." Paper presented at the Rockefeller Foundation workshop on *Markets to raise incomes for poor farmers in Africa*, Nairobi, Kenya; April 5-8, 2004.

Conferences/Workshop/Symposium Presentations

1. **Okello, J.J.** 2010. Effect of participation in ICT-based MIS on smallholder farmers' commercialization: Evidence from Kenya. Presentation made at the African Association of Agricultural Economists meetings, Cape Town, South Africa, 19-23 September 2010.

2. Kirui, O and **J.J. Okello**. 2010. The impact of ICT-based mobile phone-based money transfer services on smallholder farmer commercialization: experiences from Kenya . Presentation made at the African Association of Agricultural Economists meetings, Cape Town, South Africa, 19-23 September 2010.
3. Mgonja, M., **J.J. Okello**, S.G. Mwangi, E. Manyasa, J. Ouma, L. Godia, J. Alumira, and J. Kibuka (2009) "Prevalence and drivers of seed and pollen mediated geneflow in sorghum: Implications for biosafety regulations and policy in Kenya". Presentation made at *the International Association of Agricultural Economists* meetings, Beijing, China, 16-22 August 2009.
4. Wambugu, S.N. **J.J. Okello**, R.A. Nyikal and B. Shiferaw (2009) "Effect of social capital on performance of smallholder producer organizations: The case groundnut growers in Kenya". Presentation made at *the International Association of Agricultural Economists* meetings, Beijing, China, 16-22 August 2009.
5. **Okello, J.J.**, C. Narrod, and D. Roy (2009). "Why market institutions disfavor smallholder farmers' compliance with international food safety standards: Evidence from Kenya, Zambia and Ethiopia". Selected Paper presentation made at *the International Association of Agricultural Economists* meetings, Beijing, China, 16-22 August 2009.
6. Maumbe B.M and **J.J Okello** (2009) "ICT usage in agriculture and rural development in sub-Saharan Africa: Experiences from South Africa and Kenya". Presentation made at *eARN Africa Symposium of the International Association of Agricultural Economists* meetings, Beijing, China, 16-22 August 2009.
7. **Okello, J.J.**, E. Adera-Ofwona and O.L.E Mbatia (2009). "Using ICT to integrate smallholder farmers into agricultural value chains: The case of DrumNet in Kenya". Presentation made at *eARN Africa Symposium of the International Association of Agricultural Economists* meetings, Beijing, China, 16-22 August 2009.
8. **Okello, J.J.** (2009) "Linking sunflower farmers to markets through ICT-mediated transaction" Paper presented at the Pride Africa Outcome Mapping workshop held at the KARI Headquarters on February 27, 2009.
9. **Okello, J.J.** (2008) "Linking African farmers to markets through ICT-based technologies: impact challenges and lessons learned. Draft proposal presented at

IDRC Proposal Development Workshop, Antananarivo, Madagascar, June 12-13, 2008

10. Ndirangu, L. K, and **J.J. Okello** (2008) "Background paper on the ICT policy environment and the use of ICT-based interventions in Agriculture: The case of Kenya". Paper presented at IDRC Proposal Development Workshop, Antananarivo, Madagascar, June 12-13, 2008
11. **Okello, J.J.** (2006) "Research and Outcome-Mapping". A presentation made at the DrumNet (Pride Africa) Outcome Mapping workshop held in Nairobi, Kenya. November 23, 2006

Consultancy Reports

1. **Okello, J.J.** (2010) "Implications of the extension of USA trade preferences for agricultural market development in Africa: The case of horticulture in Kenya. Final Report submitted to Oxfam America. March 29, 2010.
2. **Okello, J.J.** (2010) "Economic evaluation of the benefits of managing belowground biodiversity in Kenya: Lessons learned". Report submitted to Below Ground Biodiversity Project. March 19, 2010
3. **Okello, J.J.** (2009) "Linking sunflower farmers to input and output markets through ICT-mediated transactions: The case of DrumNet project in western Kenya". Final Report submitted to Pride Africa, February 15, 2009.
4. **Okello, J.J.** (2008) "Policies for effective management of sustained food price increase in Africa: The case of Kenya". Final report submitted to Trade & Markets Division, FAO. November 2008.
5. **Okello, J.J.** (2008) "Groundnut production and marketing in the Chinyanja Triangle, Southern Africa". Revised Report. Presented to International Crops Research Institute for the Semi Arid Tropics (ICRISAT) – Malawi. March 2008.
6. **Okello, J.J.** (2008) "Linking farmers to input and output markets: A baseline survey of DrumNet ICT-based intervention in smallholder sunflower production in western Kenya". Final Report. Presented to Pride Africa. February 2008.

7. Okello, J.J. (2007) "Analysis of factors affecting seed and pollen mediated geneflow in sorghum and implications for biosafety control: The case of western and eastern Kenya". Synthesis Report. Presented to International Crops Research Institute for the Semi-Arid Tropics (ICRISAT) – Nairobi. December 2007.

Professional meetings convened/organized

June 2008: Proposal development workshop held in Antananarivo – Madagascar.

Aim: To develop a proposal on effectiveness of linking farmers to markets using Information and Communication Technologies

October 2008: FAO workshop on food price inflation/swings

Aim: Discuss appropriate policies for handling global food price swings

March 2009: FAO capacity building workshop

Aim: Train policies makers on best practice policies for responding food price swings

June 2009: Inception workshop, Kampala, Uganda

Aim: Launch of eARN Africa project and capacity building on methodologies for conducting eARN Africa studies and on communication for influence

August 2009: eARN Africa Symposium in Beijing – China

Aim: present past experiences in using ICT in agriculture and eARN Africa project to participants

November 2009: Swedish University of Agriculture/IFPRI workshop, Nairobi, Kenya

Aim: Stakeholder involvement in the design of study on food safety perceptions by actors on fresh vegetable value chains produced in the peri-urban Nairobi

June 2010: Country workshop on effectiveness of ICT in linking farmers markets in Kenya, Nairobi, Kenya

Aim: Present preliminary results of eARN Africa studies in Kenya for discussions and feedback

July 2010: eARN Africa midterm workshop, Cotonou, Benin

Aim: presentation of preliminary results of each eARN partner and capacity building on impact assessment

September 2010: eARN Africa symposium, Cape Town, South Africa

Aim: present results of country studies and seek feedback

Supervision of Graduate Students

I am currently supervising several M.Sc and two PhD students with some writing their theses in the areas of development economics and environmental and natural resources management. The following is the list of students I have supervised and have graduated in last 3 years:

1. Zipora A. Otieno

Thesis Title: The role of variety attributes on the adoption of improved pigeonpea varieties in Kenya: The case of Taita District

Department: Agricultural Economics

Degree: M.Sc

Year graduated: 2010

2. Patrick Hitayezu

Thesis Title: Determinants of Farm Households Participation in the Rural Nonfarm Labor Markets in Rwanda: The Case of Gisagara District

Department: Agricultural economics

Degree: M.Sc

Year graduated: 2010

3. Marther Ngigi

Thesis title: Assessment of Urban Consumers' willingness to pay for safety of leafy vegetables: The case of kale consumers in Nairobi

Department: Agricultural Economics

Degree: M.Sc

Year graduated: 2010

4. Zachary M. Gitonga

Thesis Title: Economic assessment of leaf-miner invasion and control strategies in Kenya's snowpea industry: The case of Nyeri North and South Imenti districts

Department: Agricultural Economics

Degree: M.Sc

Year Graduated: 2009

5. Beatrice Nyamwamu

Thesis Title: Factors influencing the shift from pastoralism to irrigated agriculture and its impact on soil quality in Kajiado

Department: LARMAT

Degree: M.Sc

Year Graduated: 2009

6. Samson N. Maobe

Thesis Title: Maize Response to Mucuna Green Manure

Department: Plant Science & Crop Protection

Degree: PhD

Year Graduated: 2008

7. Stella N. Wambugu

Thesis Title: The effect of social capital on performance of smallholder producer organizations: the case of groundnut growers in western Kenya

Department: Agricultural Economics

Degree: M.Sc

Year Graduated: 2008

Funded Research Projects

1. eAgriculture Research Network for Africa (eARN Africa): Effectiveness of Electronic-Based Interventions in Linking African Farmers to Markets

This is multicity project that aims at examining the effectiveness of electronic based interventions in linking farmers to markets and spurring commercialization and household food security. The findings are to be used to draw lessons for future ICT policy and practice in African agriculture.

- **Role:** Overall Team Leader
- **Project host:** University of Nairobi
- **Project participating organizations (Universities):** University of Nairobi (Kenya), Makerere University (Uganda), Bunda College (Malawi), University of Abomey-Calavi (Benin), University of Antananarivo (Madagascar), University of Ghana (Ghana)
- **Funding agency:** by IDRC
- **Funding amount:** CAD 1,635,600
- **Status:** On-going

2. Promoting Sustainable Management of Forest Through the Use of P-GIS: The Case of Lower Tana River Forest Complex in Coastal Kenya

This project funded by IDRC through Lead Francophone Africa (Senegal) and aims at examining participatory ways of promoting sustainable management of natural forests in the lower Tana River delta, coastal Kenya for food security.

- **Role:** Principal Investigator
- **Collaborators** include Soil Scientists, Resource Mapping and GIS/Remote Sensing experts, and Gender specialist
- **Host:** Department of Agricultural Economics, University of Nairobi
- **Funding Agency:** IDRC through Lead Francophone Africa
- **Funding amount:** CAD 150,000
- **Status:** Baseline studies on-going

3. Measures to Reduce Food Safety Risks in Peri-Urban Leafy Vegetable Value Chains

This project aims at studying the production, handling and utilization of leafy vegetables in peri-urban Nairobi. It is in two phases. The first phase focuses on characterizing value chain actors and hazards and studying consumers' willingness to pay for public regulation on food safety is in the inception stage with a proposal workshop planned for November 2009 in Nairobi. The second phase will start in April 2010 and will involve quantitative risk analysis.

- **Role:** Country economist
- **Participating organizations:** University of Nairobi, IFPRI, Swedish University of Agriculture
- **Funding:** SIDA and Swedish University of Agriculture
- **Pledged Funding amount:** SEK 12.1 Million
- **Status:** Starting

4. Facilitating Smallholder Farmers' Linkage to High-value Markets

This is a multi-country project that examined the role of donor interventions in helping smallholder farmers meet European food safety standards. It aimed at identifying intervention types, assessing what worked and what did not and drawing lessons for future interventions.

- **Role:** Country project leader
- **Project host:** University of Guelph/World Bank
- **Participating organizations:** University of Ghana, University of Nairobi, Makerere University, University of Zambia

- **Funding agency:** World Bank and IDRC
- **Funding amount:** USD 34, 374
- **Status:** Ended in June 2009.

Awards

- **Dissertation Completion Fellowship, Michigan State University, Fall 2005.**
- **Dissertation Research Award, Rockefeller Foundation, 2003-04.**
- **Graduate (Ph.D.) Fellowship, Rockefeller Foundation, 1999 - 2004.**
- **Research Fellow, Institute of Policy Analysis and Research – Nairobi, 1998 - 1999.**
- **Graduate (M.S.) Fellow, DAAD (German Academic Exchange Program) award for M.S training in Agricultural Economics at University of Nairobi, 1990 - 1991.**
- **Undergraduate Scholarship, Kenya government award for B.Sc training in Agriculture at University of Nairobi, 1989-1991.**
- **Deans List, University of Nairobi, overall best first and second year Faculty of Agriculture student in 1989 & 1990.**

Professional Affiliations

- **Member, International Association of Agricultural Economists**
- **Member, African Agricultural Economists Association**
- **Member, American Agricultural Economics Association**
- **Member, Food Distribution Research Society, USA**
- **Member, Kenya DAAD Scholars Association**
- **Member, International Society for Ecological Economists**

Professional Assignments

- **Reviewer: International Journal of ICT and Rural Development**
- **Reviewer: African Journal of Food, Agriculture, Nutrition and Development**
- **Program Coordinator: Undergraduate Agribusiness Management Program, Faculty of Agriculture, University of Nairobi – 2006 to date**
- **Chair, Undergraduate Agribusiness Management program review – 2007 to 2009**
- **Member, Ministry of Agriculture Advisory Taskforce on Agribusiness – 2009 to date**
- I have also severally reviewed manuscripts for *World Development*, *Food Policy*, and *European Journal of Development Research* among others.

Referees

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