

# JESSICA D. MUSENGEZI

---

Governance Economist  
The Nature Conservancy  
2500 Maitland Parkway, Suite 311  
Maitland, FL 32714, USA  
+1 407 389 4860,  
[jmusengezi@tnc.org](mailto:jmusengezi@tnc.org)

## EDUCATION

PhD Food And Resource Economics, 2010 <i>Wildlife Utilization on Private Land: Understanding the Economics of Game Ranching in South Africa</i>	University of Florida	Gainesville, FL
MSc Food and Resource Economics, 2006 <i>A Double-Hurdle Model of Preferences for a Proposed Capacity Reduction Program in the Gulf of Mexico and South Atlantic Shark Fishery</i>	University of Florida	Gainesville, FL
BSc Honors, Agricultural Economics, 2003	University of Zimbabwe	Harare, Zimbabwe

## PROFESSIONAL EXPERIENCE

2013 TO PRESENT

### GOVERNANCE ECONOMIST

The Nature Conservancy

Altamonte Springs, FL

- Governance Economist for the Human Dimensions Initiative focused on integrating economics and social science into conservation science to enhance understanding and measures of the people impacts of conservation.
- Project lead for project developing devolved social monitoring system for a network of 29 community conservancies in northern Kenya.
- Project lead for assessing US Beef supply chain environmental impacts and opportunities for improvement.
- Developing organization wide conservation planning guidance on measuring human-wellbeing impacts.
- Provide socio-economic research and monitoring technical support to Africa region programs.
- Capacity building of Nature Conservancy and partner organization staff on social science methods and integrating human wellbeing in conservation planning.

2011 TO 2013

### ECONOMICS OF ECOSYSTEMS FELLOW

Defenders of Wildlife

Sacramento, CA

- Conducted economic valuation of ecosystem services from grasslands and croplands, conducting cost benefit analysis of conservation practices.
- Developing payments for ecosystem services (water quality, water quantity and biodiversity) programs for rangelands.
- Participated in stakeholder meetings for development of legislative and administrative policy associated with ecosystem services markets for agricultural lands in California.
- Wrote grant proposals, technical reports, fact sheets and expert blogs.
- Supervising conservation associate and interns.

2004 TO 2010

### GRADUATE RESEARCH ASSISTANT

University of Florida

Gainesville, FL

- Co-PI on "Alternative Land Uses and Trade Offs in the Great Limpopo Transfrontier Conservation Area" project. Designed and implemented livelihood survey of 200 rural households and economic survey of commercial wildlife ranchers in South Africa. Conducted profitability analysis and institutional analysis.
- Designed and conducted contingent valuation survey of 600 commercial shark fishermen. Performed econometric analysis of survey results and wrote reports that were used to inform the Gulf of Mexico and South Atlantic fisheries council policy to manage overcapacity in the shark fishery.
- Compiled citrus commodity reports of US citrus market imports, exports and production for Florida Department of Citrus, Economic and Market Research.
- Teaching assistant for the following undergraduate courses; Introduction to Natural Resource and Environmental Economics, Agribusiness and Food Marketing Management, Introduction to Economics.

2003 TO 2004

**RESEARCH ASSISTANT**

AgriAfrica Private Ltd

Harare, Zimbabwe

- Assisted in design, implementation and statistical analysis of smallholder dairy farming survey to assess the feasibility of a national dairy development program. Managed field data collection.

2002 TO 2003

**RESEARCH AND TRAINING INTERN**

World Wildlife Fund

Harare, Zimbabwe

- Assisted in planning and conducting natural resource management training workshops for district representatives for Communal Areas Management Program for Indigenous Resources (CAMPFIRE).
- Managed national community wildlife hunting database, entering data for 12 districts and creating summary reports.

**AWARDS**

- Wildlife Conservation Society- Animal and Human Health for the Environment and Development, Great Limpopo Transfrontier Conservation Area, Small grant award (\$50,000) 2009.
- University of Florida, Tropical Conservation and Development fellowship, (\$16,000) 2009.
- University of Florida Graduate School Dissertation Award (\$6,500) 2010.
- University of Florida, Grinter fellowship (\$4,000) 2007.
- Outstanding Graduate Presentation, 6th Annual Conference on the Social Sciences 2010.
- Prochaska Award for outstanding master's thesis in the Food and Resource Economics Department 2007.
- Graduate Research Assistantship Food and Resource Economics Department 2005-2009

**SERVICE**

- Economics Representative on the board of directors Social Science Working Group (SSWG) of the, Society for Conservation Biology 2015. The SSWG is a global professional community interested in the social dimensions of biodiversity conservation. With nearly 700 members in more than 70 countries, the SSWG is home to a diverse array of social scientists, natural scientists, and conservation practitioners.
- Expert presenter United for Wildlife's Introducing Conservation online course, Conservation Innovation module, 2015. <https://learn.unitedforwildlife.org/>
- Expert external stakeholder, USAID Translinks Program Evaluation, 2013.
- Session Organizer- Payments for Ecosystem Services and Rangelands in the Western U.S. An organized session at the ACES & Ecosystem Markets 2012, Conference.
- Member, California Roundtable for Agriculture and the Environment (CRAE) ecosystem services working group, 2011 -2013.  
CRAE is a broad coalition of agriculture, environment, labor, and public agency leaders working at the policy level, providing information and perspective to state and federal legislators and regulators to promote agriculture that is economically and environmentally sustainable.
- Reviewer Conservation Letters; Editorial committee, African Studies Quarterly Journal.
- Energy auditor, Community Weatherization Coalition, Gainesville, Florida, 2009-2011.
- Vice president of communications, Food and Resource Economics Graduate Student Organization. 2010, 2006.

**PUBLICATIONS**

**PAPERS**

Child B., J. Musengezi, G. Parent and G. Child. 2012. "The Economics and Institutional Economics of Wildlife on Private Land in Africa" *Pastoralism: Research, Policy and Practice* 2:18.

Rayburn, A.P., H. Spaulding, J. Musengezi, A.T. O'Geen, C. Schriefer, and E.A. Laca. 2012. Ongoing study of grassland restoration effects on regionally important ecosystem services in the Sacramento Valley. *Grasslands* 22(4):8-11.

Rayburn, A.P., H. Spaulding, J. Musengezi, A.T. O'Geen, and E.A. Laca. 2012. Progress report: strip-seeding for low-

cost rangeland restoration. *Ecosis* 22(3):4-6.

#### REPORTS

Musengezi, J., P. Alvarez, M. Bacon, M. Cheatum, and C. Ogg. 2012. The Feasibility of Water Quality Markets for Rangelands in California's Central Valley. Conservation Economics White Paper. Conservation Economics and Finance Program. Washington, DC: Defenders of Wildlife. 62pp.

Musengezi, J., P. Alvarez, and C. Ogg. 2012. Conserving Rangelands to Protect Watershed Services in California. Conservation Economics White Paper. Conservation Economics and Finance Program. Washington, DC: Defenders of Wildlife.

#### WORKING PAPERS

Musengezi J., L. Racevskis and B. Child. "The Profitability and Policy of Commercial Wildlife Use. A case study of game ranching in Limpopo Province".

Musengezi, J.D., F. J Rossi and S.L. Larkin, A. 2006. "A Double Hurdle Model of Preferences for a Proposed Capacity Reduction Program in the Atlantic Shark Fishery". Selected paper Southern Agricultural Economics Association 2006 Annual Meeting, February 5-8, 2006, Orlando, Florida.

#### PRESENTATIONS

##### INVITED PRESENTATIONS

Musengezi, J. and P. Alvarez. Ecosystem Services on California Rangelands. California Rangeland Trust, Sacramento, California, 23 October, 2012.

J. Musengezi. Payments for Watershed Services, Lessons for California Rangelands. California Rangeland Conservation Coalition, Upper Alameda Creek Partnership workshop. San Francisco, California, August 30, 2011.

Musengezi J. and F. Casey "What are Ecosystem Services Worth? Valuation Methods and Applications" an invited presentation for University of California Cooperative Extension, Marin County, Ecosystem Services Conference, San Raphael, California, August 18, 2011.

##### CONFERENCE PRESENTATIONS

Rayburn, A.P., H. Spaulding, J. Musengezi, A.T. O'Geen, and E.A. Laca. Low-Cost Restoration of Rangelands for Ecosystem Services. ACES & Ecosystem Markets Conference, Ft Lauderdale, Florida, December 10-14, 2012.

Musengezi, J. Payments for Watershed Services on California Rangeland. 67th Annual California Association of Resource Conservation Districts Conference, San Diego, California, November 14-17, 2012.

Musengezi, J., P. Alvarez, and C. Ogg. The Feasibility of Water Quality Markets for Rangelands in California's Central Valley. Society for Conservation Biology North America Congress for Conservation Biology, Oakland, California, July 15-18, 2012.

Musengezi J., L. Racevskis and B. Child. Economic Profitability and Policy of Game Ranching on Private Land: A case study of game ranching in Limpopo province of South Africa. A paper presentation at the 7th International Wildlife Ranching Symposium, Kimberly, South Africa, October 10 -14, 2011.

Musengezi J. "The Profitability and Policy of Wildlife Ranching in South Africa" A paper presentation for 6th Annual Conference on Social Science, Gainesville, Florida, 23 October, 2010.

Child, B., J. Musengezi and G. Parent. "Land Use Alternatives and Livelihood Viability in Ecosystems at Risk of Emergent Animal Diseases" A research presentation for 10th Animal and Human Health for the Environment and Development, Great Limpopo Transfrontier Conservation Area (AHEAD-GLTFCA) Working Group Meeting, Hazyview, South Africa, 24-26 February, 2010.

Child, B., J. Musengezi and G. Parent "Alternative Land Uses and Trade Offs in the Great Limpopo Transfrontier Conservation Area". Keynote review paper 10th AHEAD-GLTFCA Working Group Meeting, Hazyview, South Africa, 24-26 February, 2010.

Musengezi J, "Wildlife Utilization on Private Land: Understanding the Economic Imperatives behind Game Ranching in South Africa" A poster presentation. For Tropical Conservation and Development Program, 59th Annual

center for Latin American Studies Conference, 26th Annual Center for African Studies Gwendolyn M. Carter Lectures. Gainesville, Florida, January 28-30, 2010.

Musengezi J., S. Larkin and C. Adams. "Factors Influencing Fishermen's Willingness to Sell versus Likelihood to Accept Landings-based Bids for all Fishing Assets" A paper presentation at International Institute of Fisheries Economics and Trade, Portsmouth, United Kingdom, July 11-14, 2006.

Musengezi J., S. Larkin and C. Adams. "A Double-Hurdle Model of Preferences for a Proposed Capacity Reduction Program in the Atlantic Shark Fishery" A paper presentation at the Southern Agricultural Economics Association annual meeting, Orlando, Florida, February 4-8, 2006.

Musengezi J., S. Larkin and C. Adams. "Preferences for a Proposed Capacity Reduction Program in the Atlantic Shark Fishery" A paper presentation at the Fifth Annual Food and Resource Economics Graduate Research Symposium, Gainesville, Florida, November 18, 2005.

## SKILLS

### SOFTWARE

- SAS, STATA, TSP, SPSS, GAUSS, GAMS and ArcGIS (basic)

### LANGUAGES

- English (fluent), Shona (fluent), Ndebele (fluent), French (basic)