

# LEO C. ZULU, PH.D

## CURRICULUM VITAE

February 15, 2020

Department of Geography, Environment and Spatial Sciences

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## EDUCATION

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- 2006 Ph.D. in Geography, University of Illinois at Urbana-Champaign Urbana, IL  
*Dissertation:* Rescaling Conservation: The Political Ecology of Community Based Forest Management in Southern Malawi.  
*Academic Advisors:* Dr. Ezekiel Kalipeni, Dr. Tom Bassett, Dr. Tom Frank, Dr. Guillermo Mendoza
- 1998 M.A. in Geographic Information Systems and International Development, Worcester, MA.  
Clark University  
*Thesis Project:* Exploring the Potential of Sub-pixel Classification of 1-km AVHRR Data for Forest Monitoring in Malawi.  
*Academic Advisor:* Dr. Ronald Eastman
- 1989 B.Sc. in Ecological Sciences with Honors in Forestry (1989), University of Edinburgh, Edinburgh, Scotland  
*Thesis Project:* Copper Deficiency in Malformed Sitka Spruce.  
*Advisor:* Dr. Colin Malcolm

## HONORS AND AWARDS

Human Dimensions of Environmental Systems Scholar, University of Illinois at Urbana-Champaign, 2000-05.

Phi Kappa Phi Honor Society.

MA Scholarship, United States Agency for International Development African Training for Leadership and Advanced Skills Program, at Clark University, Worcester, MA, 1997-1999.

Harry Younger Medal and Weir Prize for Best Honors Dissertation in Ecological Sciences for 1989, University of Edinburgh, UK.

B.S. Scholarship, the British Council Scholarship Program, at University of Edinburgh, UK, 1985-89.

## PROFESSIONAL EXPERIENCE

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### ACADEMIC EXPERIENCE

June 2014-now *Associate Professor*, Michigan State University  
Department of Geography

East Lansing, MI.

July 2014-June 2016 **Editor**, African Geographical Review journal East Lansing, MI.  
Africa Specialty Group, Association of American Geographers

2008-June 2014 **Assistant Professor**, Michigan State University East Lansing, MI.  
Department of Geography

- Core faculty member, Center for African Studies
- Core faculty member, Center for Advanced Study of International Development (CASID)
- Core faculty member, Environmental Science and Policy Program (ESPP)
- Core faculty member, Center for Gender in Global Context (GenCen)

July 2012-now **Associate Editor**, African Geographical Review journal East Lansing, MI.  
Africa Specialty Group, Association of American Geographers

Aug-Dec 2007 **Lecturer, Geographic Information Systems**, Bunda College of Agriculture, Lilongwe, Malawi.  
University of Malawi, Department of Forestry and Horticulture

Aug 2006-May 2007 **Instructor**, Michigan State University East Lansing, MI.  
Department of Geography,

2000-2004, 2005-2006 **Graduate Assistant** - Consultant in Geographic Information Systems Urban, IL.  
(GIS) and Statistics, University of Illinois at Urbana-Champaign College of Liberal Arts and Sciences, Advanced Technologies for Learning in the Social Sciences

May-Aug 2000 **International System for Analysis, Research and Training (START) Fellow** Charlottesville, VA.  
University of Virginia, Department of Environmental Sciences,

Jan-May 2000 **Research Assistant**, University of Illinois at Urbana-Champaign Urban, IL.  
Department of Geography

Sep 1998-Feb 1999 **Remote Sensing Analyst (Intern)**, U.S. Department of Agriculture Radnor, PA. NON-  
Forest Service, Northeastern Forest Research Station

#### NON-ACADEMIC EXPERIENCE

Mar 1999-Jan 2000 **SADC Regional Biodiversity Coordinator**, Southern African Development Lilongwe, Malawi.  
Community (SADC) Forestry Sector Technical Coordination Unit

1995-1997 **Assistant Divisional Head, Forestry Advisory Services**, Ministry of Forestry Lilongwe, Malawi.  
and Natural Resources, Department of Forestry

1993-1994 **Lecturer (part-time)**, Malawi College of Forestry, Ministry of Forestry Department of Forestry, Lilongwe, Malawi.  
and Natural Resources, Department of Forestry

1993-1994 SADC **Liaison Officer** (part-time), The Blantyre City Fuelwood Project (BCFP), Blantyre, Malawi.  
Department of Forestry

1991-1995 **Assistant Regional Forestry Officer (South, Extension)**, Ministry of Forestry Blantyre, Malawi.  
and Natural Resources, Department of Forestry

1989-1991 **SADC Forestry Officer**, Southern African Development Community (SADC) Lilongwe, Malawi.  
Forestry Sector Technical Coordination Unit

## CONSULTANCIES

- **United Nations Framework Convention on Climate Change (UNFCCC) Secretariat, Bonn, Germany and United Nations Environmental Program (UNEP)**, Nairobi, Kenya, 2015. Resource Person, Priority-setting Workshop for the Implementation of the Lima Adaptation Knowledge Initiative (LAKI) for the Indian Ocean Sub-region, Colombo, Sri Lanka, 20-22 October 2016.
- **United Nations Framework Convention on Climate Change (UNFCCC) Secretariat, Bonn, Germany and United Nations Environmental Program (UNEP)**, Nairobi, Kenya, 2015. Resource Person, Priority-setting Workshop for the Implementation of the Lima Adaptation Knowledge Initiative (LAKI) in Southern Africa Sub-region, Johannesburg, South Africa, 16-18 November 2015
- **USAID /Tetra Tech**, Washington DC, 2013-2014. 1) Part of a Michigan State University team that conducted a literature review and is finalizing (advanced draft) the report "Empirical Linkages Between Devolved Tenure Systems and Forest Conditions: Literature Review;" and 2) Lead author finalizing (advanced draft) a white paper titled "Empirical Linkages Between Devolved Tenure Systems and Forest Condition."
- **United Nations Framework Convention on Climate Change (UNFCCC) Secretariat**, Bonn, Germany, 2009. Produced a technical paper for the report "National Adaptation Program of Action: Overview of preparation, design of implementation strategies and submission of updated priority activities" for Least Developed Countries Experts Group (LEG) under request from the SBI in 2009 ([http://unfccc.int/resource/docs/publications/ldc\\_tp2009.pdf](http://unfccc.int/resource/docs/publications/ldc_tp2009.pdf)).
- **United Nations Framework Convention on Climate Change (UNFCCC) Secretariat**, Bonn, Germany, June.- September 2007): produced a technical paper for the report "Synthesis of available information related to the adverse effects of climate change under decision 1/CP.10, paragraph 14" (FCCC/SBI/2007/24, 1 October 2007) for presentation to the Twenty-Seventh Session of the Subsidiary Body for Implementation held in Bali, Indonesia 3–11 December 2007.
- **United Nations Institute for Training and Research, Switzerland**, Jan. –Mar. 2003: GIS Training Specialist. Developed a GIS dataset for Samoa and trained national experts from Small Island Least Developed Countries on the use of geographic information systems for climate-change vulnerability analysis and in preparation of National Adaptation Plans of Action (NAPA) under the U.N. Framework Convention on Climate Change (<http://www.napa-pana.org/?q=en/node/29>).
- **Southern Africa Development Community / Blantyre City Fuelwood Project**, Limbe, Malawi, 1995: Employment of Women at the Blantyre City Fuelwood Project.
- **Southern Africa Development Community Forestry Sector Technical Coordination Unit (SADC-FSTCU)**, Lilongwe, Malawi, 1990; Forestry Curriculum Development Consultant: developed a curriculum for a SADC further forestry teacher training course based at the Technical and Vocational Training Center in Zambia.

## RESEARCH AND TEACHING INTERESTS

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- Nature / society interactions
- Agriculture, livelihoods and international development
- Decentralized environmental governance, with focus on forests
- Natural resources management and governance (forests, water, wildlife, extractive mineral resources)
- Land use and cover change - human dimensions
- Climate change adaptation and governance
- Health geography and spatial analysis

## RESEARCH

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### PROFESSIONAL AWARDS, RECOGNITION AND MILESTONES

- *African Geographical Review Best Paper of the Year Award, 2015*: Johannes, E. M., **Zulu, L. C.**, & Kalipeni, E. (2015). Oil discovery in Turkana County, Kenya: A source of conflict or development? *African Geographical Review*, 34(2), 142-164 < <http://www.tandfonline.com/doi/full/10.1080/19376812.2014.884466>>
- Article designated *Highly Accessed*: **Zulu, L. C.**, Kalipeni, E., & Johannes, E. (2014). Analyzing spatial clustering and the spatiotemporal nature and trends of HIV/AIDS prevalence using GIS: the case of Malawi, 1994-2010. *BMC infectious diseases*, 14(1), 285.
- *2011 Best Paper Award for the Journal of Map & Geography Libraries*: Moise, I. K., Kalipeni, E., & **Zulu, L. C.** (2011). Analyzing geographical access to HIV sentinel clinics in relation to other health clinics in Zambia. *Journal of Map & Geography Libraries*, 7(3), 254-281.
- The article co-authored with Ezekiel Kalipeni (2008) entitled “Using GIS to Model and Forecast HIV/AIDS Rates in Africa, 1986–2010” was the most downloaded (682 times) article in the *Professional Geographer* in 2010 and remains (as of 12/01/2013) among the most read articles for the journal.
- Served as Political Ecology expert panelist on international cyberseminar on “Theoretical and Methodological Issues in the Analysis of Population Dynamics and the Environment” organized by the Population-Environment Research Network and the Institute for Social-Ecological Research, 2-13 February 2009.

### PUBLICATIONS

#### PEER REVIEWED JOURNAL ARTICLES

- Zulu, L. C.**, Adams, E. A., Chikowo, R., & Snapp, S. (2018). The role of community-based livestock management institutions in the adoption and scaling up of pigeon peas in Malawi. *Food Policy*, 79, 141-155.
- Musa, F.B., Kamoto, J.F.M., Jumbe, CBL, **Zulu, L.C.** (2018). Adoption and the Role of Fertilizer Trees and Shrubs as a Climate Smart Agriculture Practice: The Case of Salima District in Malawi. *Environments* 2018, 5(11), 122; <https://doi.org/10.3390/environments5110122>
- Djenontin, I. N, Foli, S.S. & **Zulu, L. C.** (2018). Revisiting the Factors Shaping Outcomes for Forest and Landscape Restoration in Sub-Saharan Africa: A Way Forward for Policy, Practice and Research. *Sustainability* 2018, 10, 906; doi:10.3390/su10040906
- Ibrahim, M. B., **Zulu, L. C.**, & Bein, F. L. (2017). Settlement in Transition: A Transformation of a Village into a Small Town in Western Sudan. *Urban Forum* (pp. 1-22). Springer Netherlands.
- D’Alessandro, C., & **Zulu, L. C.** 2016. From Millennium Development Goals (MDGs) to the Sustainable Development Goals (SDGs): Africa in the Post-2015 Development Agenda – A Geographical Perspective,” D’Alessandro, C. (Eds). *African Geographical Review*, 36, 1 and 2, 2017
- Hallett, T., Anderson, S. J., Asante, C. A., Bartlett, N., Bendaud, V., Bhatt, S., Gething, P. W. **Zulu, L.** ... (2016). Evaluation of geospatial methods to generate subnational HIV prevalence estimates for local level planning. *AIDS*, 30(9), 1467-1474.
- Shi, M., Yin, R., **Zulu, L.**, Qi, J., Freudenberger, M., & Sommerville, M. (2016). Empirical linkages between devolved tenure systems and forest conditions: Selected case studies and country experiences. *Forest Policy and Economics*, 73, 286-293.
- Yin, R., **Zulu, L.**, Qi, J., Freudenberger, M., & Sommerville, M. (2016). Empirical linkages between devolved tenure systems and forest conditions: Primary evidence. *Forest Policy and Economics*, 73, 277-285.

- Yin, R., **Zulu, L.**, Qi, J., Freudenberger, M., & Sommerville, M. (2016). Empirical linkages between devolved tenure systems and forest conditions: Challenges, findings, and recommendations. *Forest Policy and Economics*, 73, 294-299.
- Adams, E.A. and **Zulu, L.C.** 2015. Participants or Customers in Water Governance? Community-public Partnerships for Peri-urban Water Supply. *Geoforum*, 65: 112-124.
- Johannes, E. M., **Zulu, L. C.**, & Kalipeni, E. 2015. Oil discovery in Turkana County, Kenya: a source of conflict or development? *African Geographical Review*, 34(2), 142-164.
- Ibrahim, M.B. and **L.C. Zulu**. 2014. Development Without Intervention: Successful Self-Reliance Initiative of Rural Development and Urban Growth in the Sudan. *Geographical Review* 104(4): 481-505.
- Zulu, L. C.**, Kalipeni, E., & Johannes, E. 2014. Analyzing spatial clustering and the spatiotemporal nature and trends of HIV/AIDS prevalence using GIS: the case of Malawi, 1994-2010. *BMC Infectious Diseases*, 14(1): 1.
- Zulu, L.** 2013. Bringing people back into protected forests in developing countries: insights from co-management in Malawi. *Sustainability*, 5(5), 1917-1943.
- Zulu, L. C.**, & Richardson, R. B. 2013. Charcoal, livelihoods, and poverty reduction: Evidence from sub-Saharan Africa. *Energy for Sustainable Development*, 17(2), 127-137.
- Zulu, L.**, & Wilson, S. 2012. Whose Minerals, Whose Development? Rhetoric and Reality in Post-Conflict Sierra Leone. *Development and Change*, 43(5), 1103-1131.
- Hummel, D., Adamo, S., de Sherbinin, A., Murphy, L., Aggarwal, R., **Zulu, L.** & Knight, K. 2013. Inter-and transdisciplinary approaches to population-environment research for sustainability aims: a review and appraisal. *Population and Environment*, 34(4), 481-509.
- Zulu, L.** 2012. "Neo-liberalization, Decentralization, and Community-Based Natural Resource Management in Malawi: The First Sixteen Years and Looking Ahead. *Progress in Development Studies*. 12(2 & 3): 193-212.
- Moise, I.K., E., Kalipeni, and **L.C. Zulu**. 2010. Analyzing Geographic Access to HIV Sentinel Clinics in Relation to Other Health Clinics in Zambia. *Journal of Map and Geographic Libraries* 7: 254-281.
- \***Zulu, L.C.** 2010. The Forbidden Fuel: Charcoal, Urban Woodfuel Demand and Supply Dynamics, Community Forest Management and Woodfuel Policy in Malawi. *Energy Policy* 38 (2010): 3717-3730.
- Kalipeni, E. and **L.C. Zulu**. 2010. HIV and AIDS in Africa: a Geographic Analysis at Multiple Spatial Scales. *GeoJournal*. DOI 10.1007/s10708-010-9358-6, <http://www.springerlink.com/content/y6611712t1146405/fulltext.pdf>.
- Zulu, L.C.** 2009. Politics of Scale and Community-Based Forest Management in Southern Malawi. *Geoforum* 40, 686-699.
- Zulu, L.C.** and S.A. Wilson, 2009. Sociospatial Geographies of Civil War in Sierra Leone and the New Global Diamond Order: Is the Kimberley Process the Panacea? *Environment and Planning C: Government and Policy* 27: 1107-1130.
- Kalipeni, E. and **L.C. Zulu**. 2008. Using GIS to Model and Forecast HIV/AIDS Rates in Africa, 1986-2010. *The Professional Geographer* 60(1): 1-21.
- Zulu, L.** 2008. Community-Based Forest Management in Southern Malawi: Solution or Part of the Problem? *Society and Natural Resources* 21: 1-17.
- Kalipeni, E. and **L.C. Zulu**. 2002. Top Down to Bottom-Up: The Difficult Case of the Blantyre Fuelwood Project. *Journal of Southern African Studies* 28(1):115-134.

## BOOKS

- Zulu, L. C.**, & D'Alessandro, C. 2017. *Africa in the Post-2015 Development Agenda: A Geographical Perspective*. London: Routledge, Taylor & Francis Group.

## SPECIAL ISSUES GUEST EDITOR

Richardson, R.B. and **Zulu, Leo**. 2018 (Eds). Special Issue: “Agricultural Ecosystems Services,” *Environments*, Volume 5.

D’Alessandro, C., and **Zulu, L. C.** 2017 (Eds). Special issue: “From Millennium Development Goals (MDGs) to the Sustainable Development Goals (SDGs): Africa in the Post-2015 Development Agenda – A Geographical Perspective,” *African Geographical Review*, Volume 36 (1-2).

#### PEER REVIEWED BOOK CHAPTERS

Moise, I. K., de Joya, E., **Zulu, L. C.**, & Kalipeni, E. (2018). Progress towards combatting HIV/AIDS in Africa. In *Public Health, Disease and Development in Africa* (pp. 82-100). Routledge.

Moise, I. K., **Zulu, L. C.**, Fuller, D. O., & Beier, J. C. (2018). Persistent Barriers to Implementing Efficacious Mosquito Control Activities in the Continental United States: Insights from Vector Control Experts. In *Current Topics in Neglected Tropical Diseases*. IntechOpen. Moise, I. K., de Joya, E., **Zulu, L. C.**, & Kalipeni, E. (2018). Progress towards combatting HIV/AIDS in Africa. In *Public Health, Disease and Development in Africa* (pp. 82-100). Routledge.

D’Alessandro, C., and **Zulu, L. C.** 2017. “Introduction – From the Millennium Development Goals (MDGs) to the Sustainable Development Goals (SDGs): Africa in the post-2015 development Agenda. A geographical perspective.” In *Zulu, L. C., & D’Alessandro, C. (Eds). Africa in the Post-2015 Development Agenda: A Geographical Perspective*. Routledge, [s.l.].

Moise, I.K., E. Kalipeni and **L.C. Zulu**. 2012. “Analyzing Geographic Access to HIV Sentinel Clinics in Relation to Other Health Clinics n Zambia”. In *Perspectives in Medical Geography: Theory and Applications for Librarians*. A. J. Blatt (ed.), Routledge, London and New York.

Aide T.M., J.A. Montoro, S.M. Borrás Jr., H.F. del Valle, T. D. Devisscher, J. Jabbour, S. Kant, D. López-Carr, H. Masundire, N.G. Pricope, R. and Sánchez-Rodríguez, **lead authors**; M.T. Abdelhamid, B. Alfthan, F. Ayache, A.A. Berhe, C. Chinweze, J. Frélichová, L. Hislop, W.K. Pan, B. Schulte-Herbrüggen, J. Smith, C. Souza Jr., T.L. Timmins and **L.C. Zulu, contributing authors**. 2012. “Chapter 3: Land.” In *Global Environmental Outlook 5 (GEO 5): Environment for the Future We Want*. UNEP. UNEP, Nairobi, Kenya, p. 66-96).

**Zulu, L.C.** and E. Kalipeni. 2009. “Land Cover Change, Forest Condition and Community Based Forest Management in the Blantyre City Fuelwood Project (BCFP) Area”. In *Turning Science Into Action: Biodiversity Conservation and Natural Resources Management in Africa*. E. Kalipeni, I. Kakoma, Y.O. Sanogo, K. Fawcett and R.E. Warner (eds.) Africa World Press, Trenton NJ, p. 251-298.

#### OTHER PEER REVIEWED PUBLICATIONS

Desanker, P.V. and **L.C. Zulu**. 2001. Gender, Energy, Development and Environmental Change in Southern Africa. ENERGIA News, the International Network on Gender and Sustainable Energy, October 2002, <http://www.energia.org/fileadmin/files/media/reports/DropBox/desankerzulu.pdf>

#### NON-REFEREED PUBLICATIONS

##### Book Entries

**Zulu, L.C.**, 2001. Seven entries in *Worldmark Encyclopedia of the Nations Yearbook* (2001), 10<sup>th</sup> Edition. Detroit. Gale Group.

##### Research Reports, Technical Reports and White papers

Grabowski, P., Fischer, G., Egyir, I., Kamoto, J., Kamphanje-Phiri, J., Kotu, B., ... & **Zulu, L.** (2017). SAIRLA Milestone 2 progress report for research themes 2 and 3.

Grabowski, P., Fischer, G., Egyir, I., Kamoto, J., Kamphanje-Phiri, J., Kotu, B., ... & **Zulu, L.** (2017).

- Grabowski, P., Fischer, G., Egyir, I., Kamoto, J., Kamphanje-Phiri, J., Darkwah, A., & **Zulu, L.** (2017). SAIRLA: Decision makers' needs assessment in Malawi and Ghana. Gender and agriculture issues in Ghana and Malawi—a desk study.
- Zulu, Leo.** Existing Research and Knowledge on Impacts of Climate Variability and Change on Agriculture and Communities in Malawi. Technical Report of the Malawian Innovation Activity, Improving Food Security and Resilience to Climate Change. GCFSI Publication Series, Malawi Report No. 004, July 26, 2016. Michigan State University (GCFSI), East Lansing, MI.
- Grabowski, P., Fischer, G., Egyir, I., Kamoto, J., Kamphanje-Phiri, J., Kotu, B., ... & **Zulu, L.** (2016). SAIRLA Ghana and Malawi stakeholder analysis.
- Grabowski, P., Fischer, G., Egyir, I., Kamoto, J., Kamphanje-Phiri, J., Kotu, B., ... & **Zulu, L.** (2016). SAIRLA Ghana and Malawi stakeholder analysis.
- Zulu, L.C.,** R. Yin, J. Qi. 2014. Tenure and Global Climate Change: Empirical Linkages between Devolved Tenure Systems and Forest Conditions. July 2014. USAID Tenure and Global Climate Change (TGCC). Program COR: Mercedes Stickler, mstickler@usaid.gov . LTPR Portal: <http://usaidlandtenure.net>.
- Yin, R., **L.C. Zulu.** 2014. Empirical Linkages between Devolved Tenure Systems and Forest Conditions: Literature Review and Synthesis. Draft. January 2014. USAID Tenure and Global Climate Change (TGCC) Program COR: Mercedes Stickler, mstickler@usaid.gov . LTPR Portal: <http://usaidlandtenure.net>.
- For the United Nations Framework Convention on Climate Change, UNFCCC, 2009. National Adaptation Program of Action: Overview of preparation, design of implementation strategies and submission of updated priority activities. Least Developed Countries Experts Group (LEG) ([http://unfccc.int/resource/docs/publications/ldc\\_tp2009.pdf](http://unfccc.int/resource/docs/publications/ldc_tp2009.pdf)).
- For the United Nations Framework Convention on Climate Change, UNFCCC, 2007. Synthesis of available information related to the adverse effects of climate change under decision 1/CP.10, paragraph 14” (FCCC/SBI/2007/24, 1 October 2007).
- Zulu, L.** and Kasizo Chirambo. 1996. A Survey on the Effectiveness of Forestry Extension under the Second Wood Energy Project. Lilongwe, Malawi. Department of Forestry.
- Zulu, L.C.,** A. Chapuma and E. Phiri. 1995. Study of the Employment of Women in the Blantyre City Fuelwood Project. SADC Technical Record No. 3. Limbe, Malawi. Blantyre City Fuelwood Project.
- Kerenge, S and **L.C. Zulu.** 1993. Mainstreaming Gender in Forestry Projects in Malawi. Arusha, Tanzania. Eastern and Southern African Management Institute.

## GRANTS

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### CURRENT FUNDED EXTERNAL GRANTS AND CONTRACTS

**Zulu, L.** (PI); R Richardson; P. Nzokou; J. Kamoto; C. Jumbe; J. Kazembe; S. Makungwa; and E. Kantashula. Energy Security for Sustainable Livelihoods in Southern Africa: Assessing the acceptability and scalability of micro-gasifier briquette stoves in Kasungu, Malawi. Alliance for Africa Partnership (MSU international competition), \$39,998, Jan 15 – June 30, 2020.

### COMPLETED EXTERNAL GRANTS AND CONTRACTS

Richardson, R; **L. Zulu;** C. Garnache; P. Nzokou; J. Kamoto; C. Jumbe; J. Kazembe; S. Makungwa; and E. Kantashula. Energy Security for Sustainable Livelihoods in Southern Africa. Alliance for Africa Partnership (MSU international competition), \$100,000, 2017-2018.

- Skole, D., **L. Zulu**, P. Nzokou (Co-PIs). PERFORM Educational Assistance Program for Graduate Education at Michigan State University. United States Agency for International Development (USAID). Tetra Tech Inc. \$216,542.00, 2016-2019 (RC106984)
- Zulu, L.C. (PI)**, Phil Grabowski (collaborative grant with Gundula Fisher as lead PI): Equitable Benefits from Sustainable Agricultural Intensification through More Effective Tools and Metrics. Sustainable Agricultural Intensification Research and Learning in Africa (SAIRLA) program. British Department for International Development (DfID). \$183,248 (Collaborative grant with International Institute of Agriculture, IITA (full project budget Euro 510,000), May 2016 – April 2020.
- Walker, E. (PI, Program Co-Director), **L. Zulu (Co-PI and Program Co-Director)**, T. Taylor., S. Snapp and A. Ferguson. 2014-2018. Intersectoral Fellowships on Irrigated Agriculture and Human Health in Malawi. National Institutes of Health (NIH)/Fogarty International Center (FIC). \$1,749,715.
- Skole, D., **L. Zulu (Co-PI)**, P. Nzokou. REPLACE - Protecting Ecosystems and Restoring Forests in Malawi (PERFORM). 9/5/2014 - 9/30/2019. United States Agency for International Development (USAID), Account Grantor (IQC): Tetra Tech Inc. \$ \$49,945.00, 9/5/2014 - 9/30/2015, total budget \$624,000. [RC104231]
- Zulu, L.C (PI)** Doctoral Dissertation Research: Decentralization, Institutions, and Access to Potable Water in Malawi's Peri-Urban Settlements (Ellis Adams). 7/1/2014 - 6/30/2015. National Science Foundation DDRI (Award BCS-1434203). \$15,989 [RC103810].
- Qi, J. (PI), R. Yin, E., Moran, L. Zulu (Co-PI) and D. Lu. 2/27/2013 - 8/31/2017. Tenure and Global Climate Change (TGCC) under Strengthening Tenure and Resource Rights (STARR). United States Agency for International Development (USAID), \$83,676 [funding provided for literature review and white paper].
- Ferguson, A. (PI), **L.C. Zulu (Co-PI)**, A. Jamison. 10/1/2013 - 4/30/2014. Ecosystem Services: Linking Science to Action in Malawi and the Region. United States Agency for International Development (USAID), Higher Education for Development (HED). \$260,000.
- Ferguson, A. (PI), J. Pritchett, R. Glew, Robert, **L. Zulu** (Co-PI), T. Dobson, J. Kerr, S. Snapp. 7/1/2010 - 6/30/2012. Ecosystem Services: Linking Science to Action in Malawi and the Region. United States Agency for International Development (USAID), Higher Education for Development (HED). \$880,000 awarded (\$522,944 requested).
- T.C. Johnson (PI), J.A. Austin, K.B. Bran, T. Dobson, **L.C. Zulu** (Co-PI), A. Ferguson, J. Foley, E. Foufoula-Georgiou, S.J. Guilford, C. Harris, R.E. Hecky, J. Swenson, A. Melesse, S.E. Nicholson, B. Otto-Bliesner, J. Rose, K. Snyder. 10/01/2010-09/30/2011. NSF WSC - Category 1: Water Sustainability and Climate in the Great Lakes Region of East Africa. \$136,809 (Lead Institution and funding to University of Minnesota, Duluth).
- Ferguson, A. (PI), **L. Zulu** (Co-PI), J. Kerr, S. Snapp, T. Dobson, 6/1/2009 - 11/1/2009. Ecosystem Services: Linking Science to Action in Malawi and the Region. United States Agency for International Development (USAID), Higher Education for Development (HED). \$49,999.00.

## INTERNAL GRANTS AND CONTRACTS

### *COMPLETED INTERNAL GRANTS*

- Zulu, L.C.** 06/2012-07/2012. Tools for Co-Management of Forest Reserves: The Case of Malawi. MSU Center for Advanced Study of International Development/Center for Gender in Global Context (CASID/GenCen) International Research Travel Grant. \$2000.



- Zulu, L.C.** 05/11-07/2011. Village Based Community Management to Multi-Scale Co-Management of Forest Resources: The Case of Malawi. MSU International Studies and Programs, Office of Study Abroad. Research Travel Extension Grant for Study Abroad Program Leaders. \$500.
- Zulu, L.C.** 05/2008-04/2009. Participatory GIS and Co-management of Forest Resources in Malawi. MSU Center for Advanced Study of International Development (CASID) International Development Grant Program (IDGP). \$6,000.
- Zulu, L.C.** 2004-2005. Politics of Scale: Community Based Forest Management in Southern Malawi. University of Illinois at Urbana-Champaign Graduate College Dissertation Completion Fellowship. \$17,000.
- Zulu, L.C.** 2003-2004. Re-Scaling Conservation: The Political Ecology of Community-Based Forest Management in Southern Malawi. Social Science Research Council International Dissertation Research Fellowship. \$17,000.
- Kalipeni, E. and **Zulu, L.C.** (Co-PI). 2003-2004. **Doctoral** Dissertation Research: Re-Scaling Conservation: The Political Ecology of Community-Based Forest Management in Southern Malawi. National Science Foundation (NSF) Doctoral Dissertation Research Improvement (DDRI). \$12,000 (Award # 0302636).
- Zulu, L.C.** 2003. Rescaling Conservation: The Political Ecology of Community-Based Forest Management in Southern Malawi Robert Ferber Fellowship for Excellence in Social Survey Research, University of Illinois at Chicago. \$2,400.
- Zulu, L.C.** International Conference Travel Awards, Global Change System for Analysis, Research and Training (START), 2001, 2002, 2003.
- Zulu, L.C.** 2001-2004. Summer research grant (various). Department of Geography and the Environmental Council, University of Illinois at Urbana-Champaign. \$5,000 (total).
- Zulu, L.C.** Graduate College Travel Grant, pre-dissertation research, University of Illinois at Urbana-Champaign, \$5,000, 2002.
- Zulu, L.C.** 2001. Center for the Study of Institutions, Population, and Environmental Change (CIPEC) Summer Institute on Environmental Monitoring and Assessment, Applications in the Americas Award, Indiana University, Indianapolis, IN, summer 2001.
- Zulu, L.C.** International START Summer Fellowship, University of Virginia, 2000.
- Zulu, L.C.** Norwegian Government / SADC grant for organization of a Southern African Development Community (SADC) workshop to prepare for the 2000 Conference of the Parties of the UN Convention on Biological Diversity, ~ \$100,000, 1999 (not peer reviewed)

## PROFESSIONAL PRESENTATIONS

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### INVITED PROFESSIONAL PRESENTATIONS

- Zulu, Leo C.** Prospects for African Development in the Context of the United Nations Sustainable Development Goals and Africa-Grown Initiatives. Talk given at The Ohio State University Department of Geography, Columbus, OH, 16 November 2018.
- Zulu, L.C. Keynote Speaker:** A Single Bracelet Does Not Jingle: Youth Leadership, Partnerships, And Giving Back to Africa. Keynote Address Delivered to the Third Annual African Graduate Students Association (AGSA) Research Conference, International Center, Michigan State University, East Lansing, MI, 03/31/2018.
- Zulu, L.C.** Participatory Action Research and Social SI Indicators: The Case of Livestock Control and Scaling Up of Pigeon in Malawi. Conference on Indicators for the Sustainable Intensification of Agriculture, Kellogg International conference Center, MSU, East Lansing, MI, 14-15 December 2016.
- Zulu, L.C.** “Vulnerable Groups and Communities in the Context of Adaptation and Development Planning & Implementation: Vulnerable Groups and Communities in The Context of Adaptation and Development Planning &

Implementation.” A presentation at the National Adaptation Plan Expo (NAP Expo 2016) organized by the United Nations Framework Convention on Climate Change (UNFCCC) Secretariat, Bonn, Germany, 11-16 July, 2016.

**Zulu, L.C.**, "Second Generation CBNRM in Africa: The Case of Co-management of Forest Reserves in Malawi." Presented at the MSU CASID/GENCEN Friday Forum Speaker Series, December 2, 2011.

**Zulu, L.C.**, "Community Based Forest Management Approaches: Prospects for Forest and Livelihood Sustainability in Developing Countries." Sustainable Forests and Economic Development: Domestic and Global Challenges. A Conference at MSU Celebrating United Nations International Year of Forests, October 23-25, 2011.

Ferguson, Anne, **Leo Zulu**, and Amy Jamison. "Agro-Ecosystem Services: Linking Science to Action in Malawi and the Region." Presented at the MSU CASID/GENCEN Friday Forum, March 4, 2011.

**Zulu, L.C.**, "Arrested Democracy: Decentralized Environmental Governance, Sustainable Livelihoods and Environmental Policy in Africa, the Case of Malawi," paper presented at the Beckman Institute for Advanced Science and Technology, Social Dimensions of Environmental Policy (SDEP) Strategic Initiative, Democracy and Environmental Policy series, University of Illinois at Urbana-Champaign, Urbana, IL, October 29, 2010.

**Zulu, L.C.**, "So You Want to Involve Communities? Approaches and Experiences of Community Natural Resources Management in Malawi," presented at the MSU African Studies Brownbag, March 5, 2009.

**Zulu, L.C.**, "Around Africa and Back in an Hour: Staking a Place for Africa at the Globalization Table," keynote address to the African Students Association 5th Annual Forum, University of Illinois at Urbana-Champaign, Urbana, IL, April 5, 2008.

Kalipeni, E. and **L.C. Zulu**, "Using GIS to Model & Forecast HIV/AIDS in Africa," paper presented to the Department of Geography, Western Michigan University, Kalamazoo, MI, March 30, 2007.

**Zulu, L.C.**, "Rethinking Community Based Conservation in Africa: The Case of Community Forest Management in Southern Malawi," paper presented at the Midwest Institute for International / Intercultural Education's Global Environmental Issues Workshops, Kalamazoo Valley Community College, Kalamazoo, Michigan, August 10, 2006.

**Zulu, L.C.**, "Using GIS to Model and Forecast HIV/AIDS Rates in Africa, 1986-2010," paper presented at the Workshop on Health Applications of GIS: Data Visualization and Spatial Pattern Analysis, University of Massachusetts, Worcester, MA, May 31, 2006.

**Zulu, L.C.**, "Benefits of Community-Based Forest Management: Separating Myth from Reality in Southern Malawi," Paper presented at the Human Dimensions of Environmental Systems Scholars Colloquium, University of Illinois at Urbana-Champaign, September 26, 2002.

#### PROFESSIONAL PRESENTATIONS

- **30 paper presentations made at national and international academic conference.**

#### TEACHING

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#### TEACHING RECOGNITION AND AWARDS

- Recognition form Mentorship and Support of our Scholars, The MasterCard Foundation Scholars Program, MSU, March 23, 2017.
- Outstanding Integrative Studies in Social Science (ISS) Instructor of the Year, 2011-2012

#### COURSES TAUGHT

- People and Environment (ISS 310)
- Geographic Information Systems (GEO 325)
- Africa Social Science Perspectives (ISS 330A/GEO 470)
- Geography of Africa (GEO 338)

- Advanced GIS: Problems in Geographic Information Science (GEO 425)
- Seminar in Human Geography (GEO 872)
- Seminar in Human-Environment Geography (GEO 873)
- Research Design in Geography (GEO 886)
- Graduate Seminar: Meet the Faculty
- Advanced Readings in Geography (GEO 490)
- World Regional Geography (GEO 204)

## STUDENT MENTORING

### *POSTDOSTORAL MENTORING*

- Jerome Chim'gonda-Nkhoma, Ministry of Agriculture, Irrigation and Water Development, Malawi
- Jobiba Chinkhumba, College of Medicine, University of Malawi
- Grivin Chipula, Lilongwe University of Agriculture and Natural Resources, Malawi
- Tasokwa Kakota, Lilongwe University of Agriculture and Natural Resources, Malawi
- Isaac Mambo, Lilongwe University of Agriculture and Natural Resources, Malawi
- Charles Mangani, College of Medicine, University of Malawi
- Wezi Mkwaila, Lilongwe University of Agriculture and Natural Resources, Malawi

### *GRADUATE ADVISING: CURRENT STUDENTS*

- Judith Namanya, Ph.D. Geography (Main Advisor, Committee Chair)
- Ida Djenontin, Ph.D. Geography (Main Advisor, Committee Chair)
- Leah Mungai, PhD, Geography (Committee Member)
- Erika Kraus, PhD, Forestry (Committee Member)
- Rajiv Paudel Rajiv Paudel, PhD Geography (Committee Member)
- Dan Makuwa, hD, Forestry (Committee Member)
- Mike Chirwa, PhD, Forestry (Committee Member)
- Lual Awan, MA Geography (Main Advisor, Committee Chair)

### *GRADUATE ADVISING: PAST STUDENTS*

- Mattie Bene. PhD, Geography (Committee Member)
- Brad Peter, PhD, Geography (Committee Member) 2019
- April Frake, PhD, Geography, Spatial Sciences, and Environment (Committee Member) 2019
- Tangu Tumeo, MS, Forestry (Committee Member) 2019
- Francis Kamangadazi, MS, Forestry (Committee Member) 2019
- Erin Anders, PhD, Crop Science (Committee Member) 2018
- Cadi Fung, PhD, Geography (Committee Member) 2018
- Dan Zelenak, MS, Forestry (Committee Member) 2018
- Fatoumata Barry, PhD, Geography (Committee Member) 2018
- Ellis Adams, Ph.D. Geography (Main Advisor, Committee Chair), graduated 2016
- Christian Reed, PhD, Anthropology (Committee Member), graduated 2016
- Yusuf Samsudin, MS, Forestry (Committee Member), graduated 2015
- Placid Mike Mpeketula, Ph.D. Crop and Soil Sciences (Committee Member), graduated 2016
- Moussa Dieng, Ph.D. Forestry (Committee Member), graduated 2015
- Chenying Zhou, MS, Forestry (Committee Member), graduated 2015
- Rina Nelly Jowei, MS, Forestry (Committee Member), graduated 2014
- Heather Yocum, Ph.D. Anthropology (Committee Member), graduated 2013

- Sigismond Wilson, Ph.D. Geography (Committee Member), graduated 2011.
- Courtney Gallaher, Ph.D. Geography, (Committee Member, 2008-2009), graduated 2012 (I left committee before program completion due to research topic change).
- Yuying Chu, M.A. Geography (Committee Member), graduated 2010.