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MYWISH K. MAREDA

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EDUCATION:

Ph.D. (1993) Agricultural Economics, Michigan State University, East Lansing.
M.A. (1986) Economics, University of Bombay, Bombay, India.
B.A. (1984) Economics, University of Bombay, Bombay, India.

WORK EXPERIENCE:

Professor (2014- Present) and Associate Professor (2008–2014), International Development
Department of Agricultural, Food and Resource Economics, Michigan State University, East Lansing

Research areas: Impact evaluation of development interventions (encompassing agriculture, institutions, food system, and nutrition policies and programs); understanding agriculture-nutrition linkages; innovative methods for promoting and tracking technology adoption in developing countries (e.g., varietal adoption using DNA fingerprinting); innovative methods (e.g., ICTs) for linking actors along the value chain and understanding their impacts; agrifood system transformation and youth employment; economics of scaling up development efforts, willingness to pay for quality inputs, seed system policies, and survey research methodology.

Director (2016-2020)

Feed the Future (FTF) Innovation Lab for Food Security Policy (FSP)

Provide management and technical leadership to ~\$3 million/year core support from USAID and work in partnership with the International Food Policy Research Institute in Washington, D.C., and the University of Pretoria in South Africa to help USAID-supported FTF countries in Africa and Asia to fight hunger, reduce poverty and improve nutritional outcomes through better food policy. Provide oversight and management support to additional \$52 million funding support received through buy-ins and Associate Awards to implement more intensive country-level programs in selected FTF countries (Malawi, Burma, Nigeria, Mali, Senegal, Tanzania, Zambia, Rwanda/Burundi, and Venezuela).

Associate Director (2000–2009) – 50-80% appointment

Bean/Cowpea (later Dry Grain Pulses) Collaborative Research Support Program (CRSP), Institute of International Agriculture, Michigan State University, East Lansing

Assist the Director of the program in the management of a \$3 million/year grant from USAID to promote collaboration between U.S. universities and developing country institutions to conduct research and training on bean/cowpea value chains; Share the responsibility for providing technical leadership to the program; Provide leadership in managing the training and capacity building portfolio and program monitoring and evaluation.

Adjunct Visiting Associate Professor (2000–2007); Adjunct Assistant Professor (1999–2000)

Department of Agricultural Economics, Michigan State University, East Lansing

Research Areas: Impact assessment of agricultural research and training; Economics of agricultural biotechnology and policies (i.e., Intellectual Property Rights and biosafety);

Economics of seed system development and seed regulatory policies in developing countries (in collaboration with the Food Security II project team).

Visiting Assistant Professor (1995–1998) – 25-75% appointment

Department of Agricultural Economics, Michigan State University, East Lansing (worked as part of the Food Security II project team)

Associate Scientist (September 1993–May 1994)

Economics Program, International Maize and Wheat Improvement Center (CIMMYT), Mexico.

SPECIAL CONSULTATIONS:

August-October 2009: Asian Development Bank

October 2008—June 2009: The Independent Evaluation Group (IEG) of the World Bank.

May-December 2005: Standing Panel on Impact Assessment (SPIA), Science Council, CGIAR.

July 1999-December 2000: United Nations Development Program (UNDP) funded project monitored by the CGIAR-TAC's Standing Panel for Impact Assessment (SPIA).

May-June 2000: Food Security II Project, Dept. of Agricultural Economics, MSU.

October 1999-April 2000: World Intellectual Property Organization (WIPO).

May-June 1999: The World Bank, Washington, D.C.

November - December 1998: The World Bank, Washington, D.C.

June 1998: Food and Agricultural Organization (FAO) of the United Nations, Rome.

September - November 1996: SPAAR, The World Bank, Washington, D.C.

February - October 1995: International Maize and Wheat Improvement Center (CIMMYT), Mexico.

PROFESSIONAL SERVICE:

2016-present: Co-Leader, Cluster 1.2 on science policy and innovation systems for sustainable intensification, CGIAR Research Program on Policies, Institutions and Markets (PIM)

2012-2013: Guest co-editor of *Food Policy* for a special issue focused on impact assessment of agricultural research and technology adoption

2005-present: Reviewer for World Development, Agricultural Economics, Food Policy, Journal of Agricultural Economics, Journal of Agrarian Studies, and Research Evaluation

2012: Reviewer for the AAEA Annual Meeting Contribution Papers

2012-2013: Member, Technical and Management Advisory Committee (TMAC), Dry Grain Pulses CRSP and the Feed the Future Legume Innovation Lab

2006–2011: Member, Standing Panel on Impact Assessment (SPIA), Science Council, CGIAR. Assist the Science Council in providing timely and credible information of the impacts of the CGIAR outputs in terms of broader developmental goals.

2009-2011: Member, Project Steering Committee, Diffusion and Impact of Improved Varieties in Africa (DIIVA), a project funded by the Gates Foundation and managed by Bioversity International.

HONORS:

2017: Meritorious Achievement Award. The Technical and Management Committee of the Legume Innovation Lab.

1994: Outstanding Dissertation Award. American Agricultural Economics Association.

1993: Best Ph.D. Dissertation Award. Department of Agricultural Economics, Michigan State University.

1992-93: Pre-Doctoral Research Fellowship. International Maize and Wheat Improvement Center (CIMMYT), Mexico.

GRANTS RECEIVED: (*=as a Lead PI)

(Total personal contribution realized to date: \$16.8 million)

- 2021: *Sustainable Intensification Innovation Lab (SIIL), KSU – US\$165,173. Economic impact of improved bean varieties in Central America and USA.
CGIAR program on Policy, Institutions, and Markets, IFPRI – US\$188,000. PIM Research Cluster on Science policy and innovation systems for sustainable intensification (with T. Jayne and J. Goeb)
- 2020: *Support for Applied Research and Analysis in Kenya and East Africa Region (SARA-KEA) US\$4,500,000. USDA (with E. Crawford and I. Minde)
*Agricultural and Nutrition Policy Activity Tanzania Associate Award (SERA BORA project) US\$6,500,000. USAID/Tanzania (with D. Nyange, D. Tschirley; T. Reardon, M. Muyanga)
- 2019: FTF Innovation Lab for Food Security Policy Research, Capacity, and Influence (PRCI) – US\$11,000,000. USAID/BFS (with D. Tschirley, T. Jayne, E. Crawford, S. Liverpool-Tasie, N. Mason, V. Theriault, T. Reardon, T. Awokuse, D. Boughton, W. Bauchspies, J. Medendorp)
CGIAR program on Policy, Institutions, and Markets, IFPRI – US\$197,000. PIM Research Cluster on Science policy and innovation systems for sustainable intensification (with T. Jayne)
Legume Systems Research Innovation Lab – US\$774,041. Quantifying the scale and scope of markets for nutritious cowpea (with V. Theriault and M. Smale)
Legume Systems Research Innovation Lab – US\$251,216 Promoting Trade Integration in Regional Legume Markets with Mobile Technology (with M. Olabisi)
Legume Systems Research Innovation Lab – US\$103,922. Baseline value chain assessment for key legume markets in West Africa (with M. Olabisi)
Feed the Future Myanmar Agricultural Policy Support Activity (MAPSA) US\$4,040,835. USAID/Burma via IFPRI (with D. Boughton)
*USDA-FAS. US\$49,998. Methodological Guidelines to Assess Economic and Environmental Impacts and Crop Management for Sustainable Cacao Production. Grant to host a Borlaug Fellow from Colombia (with X. Wu)
- 2018: Global Alliance for Improved Nutrition (GAIN) – US\$1,149,478. Evaluation of GAIN’s Marketplace for Nutritious Foods (MNF) (with D. Tschirley, M. Porter, E. Nakasone, D. Ortega, V. Caputo, T. Reardon).
*CGIAR program on Policy, Institutions, and Markets, IFPRI – US\$100,000 PIM Research Cluster on Science policy and innovation systems for sustainable intensification
*USAID – US\$700,000. Capacity Development for Agricultural Innovation System (CDAIS) (FSP buyin award)
*USAID – US\$130,000. Literature Reviews on Learning Agenda (FSP buyin award)
*FAO Voices for the Hungry Project: The Nexus between food insecurity, unrest and national security: Exploring causality, impacts and policy implications. Non-monetary grant with access to proprietary data license for one year from the World Gallup Poll. (with S. Adelaja and J. Kappiaruparampil)
- 2017: *CGIAR program on Policy, Institutions, and Markets, IFPRI – US\$60,000 PIM Research Cluster on Science policy and innovation systems for sustainable intensification
Master Card Foundation – US\$ 12,994,728 Agrifood Youth Opportunity Lab (with J. Howard, S. Adelaja, D. Tschirley and N. MeNsope)
- 2016: *International Center for Tropical Agriculture (CIAT) –US\$50,600 Assessing the adoption and economic and environmental impacts of Brachiaria grass forage cultivars in Latin America focusing on the experience in Colombia

- *USDA-FAS—US\$48,851. Borlaug fellows program (hosting a CIAT-Vietnam staff) (with X. Wu)
- 2015: *Food and Agriculture Organization (FAO) –US\$649,550. Strengthening Impact Assessment in CGIAR (SIAC) – Phase 2 (with D. Boughton)
- 2014: *International Potato Center (CIP) – US\$1.5 million: Impact Evaluation of the CIP-SUSTAIN project in East/Southern Africa (with S. Jin, M. Porter and K. Chung)
*USAID/Malawi via CIAT—US \$274,000: USAID Initiative for Long-term Training and Capacity Building (UILTCB) (with I. Widders and C. Wille)
- 2013: USAID -- US\$15+ million: Food Security Policy Innovation Lab (with D. Boughton, E. Crawford, S. Longabaugh, T. Jayne, S. Haggblade, D. Tschirley, V. Theriault)
*CGIAR Consortium – US\$3.1 million: Strengthening Impact Assessment in CGIAR (SIAC) – Phase I (with D. Boughton)
*Legume Innovation Lab Collaborative Research (USAID)—US\$900,000. Impact assessment of the adoption and uptake of technologies and outputs of Legume Innovation Lab research in Africa, Latin America and the U.S. (with E. Crawford)
*USAID/Malawi via CIAT—US \$475,792: USAID Initiative for Long-term Training and Capacity Building (UILTCB) (with I. Widders)
- 2012: USAID via CIMMYT – US \$3.8 million initial commitment: Borlaug Higher Education for Agricultural Research and Development (BHEARD) (with E. Crawford, F. Derksen, P. Ng and D. Douches)
USAID/Cambodia – US\$ 2 million (total budget): Impact Evaluation and Strengthening Local Capacity to Monitor and Evaluate Food Security Programs in Cambodia (with M. Suvedi, D. Boughton, R. Benfica, V. Theriault, K. Chung, R. Richardson and M. Kaplowitz)
*USAID/Malawi via CIAT—US \$474,169: USAID Initiative for Long-term Training and Capacity Building (UILTCB) (with I. Widders)
DAI, Inc. – US\$ 564,397 (total budget): Integrating Nutrition with Value Chain (INVC) (with D. Clay, M. Suvedi, A. Ferguson and L. Weatherspoon)
- 2011: *CLUSA (dba NCBA)—US\$529,000 (total budget): Impact evaluation of Yaajeende agricultural development project in Senegal (funded by USAID/Senegal) (with V. Kelly)
Millennium Challenge Corporation (MCC)—US\$ 785,949 (total award across several allocations): Impact evaluation of MCA interventions on land titling in Lesotho—Phase II (implementation) (with G. Schultink and S. Jin)
Millennium Challenge Corporation (MCC)—US \$ 639,876 (total award across several allocations): Impact evaluation of the land component of the MCC project in Mozambique (with G. Schultink and S. Jin)
*USAID/Malawi via CIAT—US \$474,169: USAID Initiative for Long-term Training and Capacity Building (UILTCB) (with I. Widders)
University of Florida—US\$1,024,989 (total budget): Technical assistance and impact evaluation partner for the USAID food security project under the Trilateral project—USAID, Brazil and Mozambique (with D. Tschirley, S. Jin and C. Donovan)
- 2010: Millennium Challenge Corporation (MCC)—US\$26,000: Impact evaluation of MCA interventions on land titling in Lesotho—Phase I (design mission) (with G. Schultink and S. Jin)
*Dry Grain Pulses (USAID)—US\$221,434 (total award to date): Monitoring and evaluation of a bean technology transfer project in Central America.
*Horticulture CRSP (USAID)—US\$74,900: Impact evaluation of cell-phone enabled agro-advisory services for horticulture crops in South Asia

- Sarl Bureau Issala (France)—US \$32,412: ECOWAP/CAADP Process: Supporting ECOWAS Commission for Implementation of Regional Mobilizing Programs and developing a monitoring and evaluation framework (with J. Staatz and N. Dembele)
- 2009: *USAID/Malawi via CIAT—US \$950,000: USAID Initiative for Long-term Training and Capacity Building (UILTCB) (with I. Widders)
 *Dry Grain Pulses CRSP (USAID)—US \$510,000 (total budget): Impact assessment of CRSP technologies and outputs in Africa, Latin America and the U.S. (with R. Bernsten and E. Crawford)
 *IFPRI —US\$ 7,500: Contribute a chapter on the evolution of impact assessment methods for the book on Millions Fed project
- 2008: Millennium Challenge Corporation (MCC)—US \$782,000 (total award across several allocations): Impact evaluation of the land component of the MCC project in Mozambique (with G. Schultink, S. Jin, D. Boughton and C. Donovan)
- 2006: *USAID/EGAT via CIAT—US \$617,500: Initiative for Long-term Training and Capacity Building (UILTCB) (with I. Widders)
- 2005: *USAID/EGAT via CIAT—US \$1,200,000: USAID Initiative for Long-term Training and Capacity Building (UILTCB) (with I. Widders)
- 2004: USDA—US \$68,855: Impact assessment of ABSP-I IPR and technology transfer activities (with K. Maredia and J. Oehmke)

GRADUATE STUDENT ADVISORY COMMITTEES (ROLE SERVED)

(*=**Research Assistantship supervisor**)

Ph.D. Agricultural, Food, and Resource Economics:

Byron Reyes (member)	Grad: 2012
Alexandra Peralta (member)	Grad: 2014
Ayala Wineman (member)	Grad: 2015
Keneilwe Kgosikoma (member)	Grad: 2016
*Serge Adjognon (Temp Advisor and member)	Grad: 2016
Ashesh Prasann (member)	Grad: 2016
*Nelissa Jamora (Major Advisor)	Transferred to another University (2011)
*Mukesh Ray (Major Advisor)	Grad 2018
*Jarrad Farris (Major Advisor)	Grad 2020
*Caitlin Herrington (co-Advisor)	Expected Grad 2024
Ming Fang (member)	Expected Grad 2023
*Myat Thida Win (Major Advisor)	Expected Grad 2025
*Jose Maria Martinez (Major Advisor)	Expected Grad 2025

M.S. Agricultural, Food, and Resource Economics:

Lourdes Martinez (member)	Grad: 2003
Wolfgang Pejuan (member)	Grad: 2005
Nelissa Jamora (member)	Grad: 2006
Tomokazu Nagai (member)	Grad: 2008
Byron Reyes (member)	Grad: 2011
*Sitou Akibode (Major Advisor)	Grad: 2011
*Ty Lawson (Major Advisor)	Grad: 2012
*Benjamin Magen (member)	Grad: 2012
*David DeYoung (Major Advisor)	Grad: 2015
Emmanuel Msanya (member)	Grad: 2016
*Chris Root (Major Advisor)	Grad: 2017
Edward Opoku (Major Advisor)	Grad: 2017

*Christine Sauer (Temp Major Advisor)	Transferred to AFRE PhD (Fall 2016)
Trhas Weldezgi (Major Advisor)	Grad: 2018
*Sean Posey (Major Advisor)	Grad: 2018
*Brian Bartle (Major Advisor)	Grad: 2019
*Myat Thida Win (Major Advisor)	Grad: 2019
*Stephen Aguegboh (Major Advisor)	Grad: 2020

Other MSU Departments:

*Raul Pitoro (Ph.D., CSUS) (member)	Grad: 2016
Cynthia Balthazar (Ph.D. CSUS) (member)	Grad: 2019
Grady Zuiverdeen (M.S., Plant, Soil and Microbial Sciences) (member)	Grad: 2015
Thany Hour (M.S., CSUS) (member)	Grad: 2016
Socheat Keo (Ph.D., CSUS) (member)	Grad: 2018

GRADUATE RESEARCH ASSISTANTS SUPERVISED (in addition to advisees above)

Salim Nuhu (AFRE PhD student—Fall 2018-present) (co-supervisor)
 Syed Hamza Haider (AFRE PhD student—Fall 2013-Summer 2014)
 Carolina Peters (AFRE MS student—Fall 2014-Summer 2016)
 Simone Faas (AFRE MS student—Spring 2015-Fall 2015)
 Henry Akaezy (AFRE PhD student—Spring 2013-Fall 2013)

MENTORSHIP

Michael Olabisi (AFRE Assistant Professor)--Member, Mentorship Committee, 2018-present
 Veronique Theriaut (AFRE Assistant Professor)--Member, Mentorship Committee, 2018-present
 Oyinkan Tasie (AFRE Assistant Professor)--Member, Mentorship Committee, 2018-present
 Felix Kwame Yeboah (AFRE Assistant Professor)--Member, Mentorship Committee, 2018-2019
 Nicole Mason (AFRE Assistant Professor)—CGC Mentorship Program, 2016
 Jose Maria Martinez (AgroSAVIA, Colombia)—Visiting Scholar, Borlaug Fellowship, 2019-2020
 Stephen Kabwe (IAPRI, Zambia)—Visiting Scholar, Fall 2019
 Le, Dung Phoung (International Center for Tropical Agriculture (CIAT))—Visiting Scholar, Borlaug Fellowship, 2016-2017
 Sant Kumar Pandey (Research Scientist, NCAP, India) (2011-2012)

PUBLICATIONS:

Journal Articles

Gatto, M. D.P. Le, G. Pacillo, M. Maredia, R. Labarta, G. Hareau, and D. Spielman. 2021. Policy Options for Advancing Seed Systems for Vegetatively Propagated Crops in Vietnam. *Journal of Crop Improvement*. Forthcoming.

Boughton, D., J. Goeb, I. Lambrecht, D. Headey, K. Mahrt, I. Masias, H. Takeshima, S. Goudet, C. Ragasa, M. Maredia, B. Minten, X. Diao. 2021. Impacts of COVID-19 on Agricultural Production and Food Systems in Late Transforming Southeast Asia: The Case of Myanmar. *Agriculture Systems*. Forthcoming.

Piñon, M. G. T., S. M. Moghaddam, R. K. Lee, J. C. Villatoro Merida, D. J. DeYoung, B. A. Reyes, M. Maredia, J. M. Osorno and P. E. McClean. 2020. Genetic diversity of Guatemalan climbing bean collections. *Genetic Resources and Crop Evolution* (October 2020). DOI 10.1007/s10722-020-01013-3.

Morgan, S., N. Mason, and M. Maredia. 2020. Farmer Valuation of Improved Bean Seed Technologies: Real Auction Evidence from Tanzania. *Food Policy*. Forthcoming. <https://doi.org/10.1016/j.foodpol.2020.101955>

Maredia, M.K., Shupp, R., Mishili, F., Opoku, E., Reyes, B., Kusolwa, P., Kusi, F., and Kudra, A. 2019. Farmer perception and valuation of seed quality: Evidence from bean and cowpea seed auctions in Tanzania and Ghana. *Agriculture Economics* 50(4): 495-507. <https://doi.org/10.1111/agec.12505>

Raatz, Bodo, Clare Mukankusi, Juan David Lobaton, Alan Male, Virginia Chisale, Berhanu Amsalu, Deidre´ Fourie, Floride Mukamuhirwa, Kennedy Muimui, Bruce Mutari, Susan Nchimbi-Msolla, Stanley Nkalubo, Kidane Tumsa, Rowland Chirwa, Mywish K. Maredia, Chunlin He. 2019. Analyses of African common bean (*Phaseolus vulgaris* L.) germplasm using a SNP fingerprinting platform: diversity, quality control and molecular breeding. *Genetic Resource and Crop Evolution*. 66(30): 707–722

Sauer, C., Mason, N., Maredia, M., and Mofya-Mukaka, R. 2018. Does adopting legume-based cropping practices improve small-scale farm households' food security? Panel survey evidence from Zambia. *Food Security* 10(6): 1463-1478 <https://doi.org/10.1007/s12571-018-0859-3>.

Maredia, M. K., Reyes, B. A., Ba, M., Dabire, C., Pittendrigh, B., & Bello-Bravo, J. 2017. Can mobile phone-based animated videos induce learning and technology adoption among low-literate farmers? A field experiment in Burkina Faso. *Information Technology and Development* (April) DOI <https://doi.org/10.1080/02681102.2017.1312245>

Rabbi Ismail, Kulakow Peter, Manu-Aduening Joseph, Dankyi Ansong, Asibuo James, Parkes Elizabeth, Abdoulaye Tahirou, Girma Gezahegn, Gedil Melaku, Ramu Punna, Reyes Byron, Maredia Mywish. 2015. Tracking crop varieties using genotyping-by-sequencing markers: a case study using cassava (*Manihot esculenta* Crantz). *BMC Genetics* 16:115. DOI 10.1186/s12863-015-0273-1

Maredia, M., Shankar, B., Kelley, T., and Stevenson, J., 2014. Impact Assessment of Agricultural Research, Institutional Innovation, and Technology Adoption: Introduction to the Special Section. *Food Policy* 44:214-217.

Kumar, S., M. Maredia, and S. Chauhan. 2013. Research Priorities for Faster, Sustainable and Inclusive Growth in Indian Agriculture. *Indian Journal of Agricultural Economics* 68 (3): 373-388.

Stevenson, J., D. Byerlee, N. Villorio, T. Kelley and M. Maredia. 2013. The Green Revolution saved an estimated 18 to 27 million hectares from being brought into agricultural production. *PNAS - Proceedings of the National Academy of Sciences of the United States*. 110 (21): 8363-8368. Published online, May 13, 2013, doi: 10.1073/pnas.1208065110.

- Bennett, J., T. Kelley and M. Maredia. 2012. *Ex-post* assessment of environmental impacts of international agricultural research: conceptual issues, applications and the way forward. *Research Evaluation* 21 (3): 216-228
- Maredia, M.K. and D. Raitzer. 2012. Review and Analysis of Documented Trends and Patterns of Agricultural Research Impacts in Southeast Asia. *Agricultural Systems* (106): 46-58.
- Raitzer, D. and M. K. Maredia. 2012. Analysis of agricultural research investment priorities for sustainable poverty reduction in Southeast Asia. *Food Policy* 37 (2012):412-426.
- Maredia, Mywish, Richard H. Bernsten, Catherine Ragasa. 2010. Returns to Public Sector Plant Breeding in the Presence of Spill-ins and Private Goods: The Case of Bean Research in Michigan. *Agricultural Economics* 41 (2010): 425-442.
- Maredia, M.K. and David Raitzer. 2010. Estimating Overall Returns to International Agricultural Research in Africa through Benefit-Cost Analysis: A 'Best-Evidence' Approach. *Agricultural Economics* 41 (2010): 81-100.
- Nelson, M. and M. Maredia. 2007. International Agricultural Research as a Source of Environmental Impacts: Challenges and Possibilities. *Journal of Environmental Assessment Policy and Management*, Vol. 9, No. 1 (2007) 103-119.
- Oehmke, J., M. Maredia and D. Weatherspoon. 2001. The Effects of Biotechnology Policy on Trade and Growth. *The Estey Centre Journal of International Law and Trade Policy* 2(2), 283-306. Available from the World Wide Web: <http://www.esteyjournal.com>
- Maredia, M.K., D. Byerlee, and P. Pee. 2000. Impacts of Food Crop Improvement Research: Evidence from Sub-Saharan Africa. *Food Policy* 25(5): 531-559.
- Oehmke, J. F., D. Weatherspoon, C. A. Wolf, A. Naseem, M. Maredia and A. Hightower. 2000. Is Agricultural Research Still A Public Good? *Agribusiness: An International Journal* 16(1): 68-81.
- Maredia, M.K. and D. Byerlee. 2000. Efficiency of Research Investments in the Presence of International Spillovers: A Case Study of Wheat Research. *Agricultural Economics* 22 (2000):1-16
- Maredia, M.K., F. Erbisich, A. Naseem, A. Hightower, J. Oehmke, D. Weatherspoon, C. Wolf. 1999. "Public Agricultural Research and the Protection of Intellectual Property: Issues and Options" *AgBioForum*. vol 2, No. 3&4. URL: <http://www.agbioforum.org>.
- Maredia, M.K. 1998. The Economics of Biosafety: Implications for Biotechnology in Developing Countries. *BioSafety (Online Journal)*_Vol. 3 Paper 1 (BY98001). URL: <http://www.bdt.org.br/bioline/by>
- Maredia, M.K., Ward, R. and Byerlee, D. 1996. Econometric Estimation of a Global Spillover Matrix for Wheat Varietal Technology. *Agricultural Economics*, 14(3):159-173
- Maredia, M.K. and Eicher, C.K. 1995. The Economics of Wheat Research Investments in Developing Countries: The One Hundred Million Dollar Puzzle. *World Development*, 23 (3).

BLOGS:

Does response fatigue bias our understanding of rural livelihoods against women and youth? (with Kate Ambler and Sylvan Herskowitz). December 18, 2020. <https://www.ifpri.org/blog/does-response-fatigue-bias-our-understanding-rural-livelihoods-against-women-and-youth>

Anticipate, Mitigate, Monitor: A Rapid Research Response for COVID-19 Policy Guidance in Myanmar's Agrifood System (with J. Goeb and D. Boughton). October 2020. <https://www.canr.msu.edu/news/anticipate-mitigate-monitor-a-rapid-research-response-for-covid-19-policy-guidance-in-myanmar-s-agrifood-system>

Impact of the COVID-19 Pandemic on People Living in South Asia Region: Findings of the Rapid Assessment Web Survey Conducted in April 2020. June 2020. <https://www.canr.msu.edu/news/key-findings-of-the-2020-south-asia-survey-on-the-effects-of-covid-19>

Awareness, Risk Perceptions and Safety Behavior: How are Men and Women in Rural and Urban Africa Responding to COVID-19? April 2020. <https://www.canr.msu.edu/news/awareness-risk-perceptions-and-safety-behavior-how-are-men-and-women-in-rural-and-urban-africa-responding-to-covid-19>

Using Mobile Phones to do Research in the Time of COVID-19 Lockdowns and Beyond. April 2020. <https://www.canr.msu.edu/news/using-mobile-phones-to-do-research-in-the-time-of-covid-19-lockdowns-and-beyond>

Why the Influence of Agricultural Policy Research is Probably Greater Than We Think. June 2018. <https://www.agrilinks.org/post/why-influence-agricultural-policy-research-probably-greater-we-think> (with T. Jayne, T. Reardon, and D. Tschirley)

Building Resilience Through Better Policies. June 2018. <https://www.agrilinks.org/post/building-resilience-through-better-policies-approach-taken-feed-future-innovation-lab-food> (with X. Diao)

Papers submitted to Journals

Farris, J., M. Porter, S. Jin, M. Maredia. 2019. Growing Pains: Season-Specific In Utero Rainfall Shocks Impact Child Growth in Rural Rwanda. Submitted to *Economic Development and Cultural Change*. Status: Revise and Resubmit

Ambler, K., S. Herskowitz, and M. Maredia. Are we done yet? Response fatigue and rural livelihoods? *Journal of Development Economics*. Under Review.

Papers in progress

Ahsanuzzaman and M. Maredia. Endogeneity in duration analysis: Estimating technology diffusion and adoption simultaneously using multi-process hazard models.

Kabwe, Stephen, Mywish Maredia, Nicole Mason and Rhoda Mofya-Mukuka. Adoption and Diffusion of Orange Fleshed Sweet Potato in Zambia.

Maredia, M.K., Mason, M., Shupp, R., and Caputo, V. How should government spend its resources for agricultural development? Understanding policy preferences of rural residents and stakeholders from Nigeria and Zambia.

Bartle, B. and Maredia, M.K. The Effect of Quality Signaling and Trust on Willingness to Pay for Potato Planting Material: A Research Study in Kenya

Win, Myat Thida, Maredia, M.K., Ortega, D., and Boughton, D. Assessing Farmers' Willingness to Pay for Quality Seeds Using Bidding Mechanism: Evidence from Myanmar

Boughton, D., Maredia, M.K. and others. Understanding farmer preferences, variety adoption and seed replacement with underdeveloped markets: A multiple methods approach.

Farris, J., Maredia, M.K., Mason, N. and Ortega, D. Effectiveness of Lead-Farmer Extension: The Role of Physical, Social and Personality Distance

Spielman, D., M. Gatto, T. Wossen, M. McEwan, T. Abdoulaye, M. Maredia, G. Hareau. Beyond the Conventional Wisdom on Maize Regulatory Options to Improve Seed Systems for Vegetatively Propagated Crops in Developing-country Agriculture.

Maredia, M., Shupp, R., MeNsope, N., D. Ilboudo, and E. Opoku. Farmers' willingness to pay for quality seed: What role does credence, experience, and observation play?

MeNsope, N, Maredia, M., Ortega, D., and Ilboudo, D. Farmers' preferences for chemical versus biological pest control methods: Evidence from choice experiments conducted in Burkina Faso.

Ray, M., Maredia, M., and R. Shupp. Risk Preferences and Climate Smart Technology Adoption: A Duration Model Approach for India.

Ray, M. and Maredia M. Do Smaller States Lead to More Development? Evidence from Splitting of Large States in India.

Ray, M. and Maredia M. Legume Technologies as a Sustainable Solution to Climatic Shocks: Evidence from Malawi.

DeYoung, D., B. Reyes, and M. Maredia. Profitable but Vulnerable: Assessment of the Nicaraguan Bean Seed Enterprises.

Monographs/Book Chapters (peer reviewed)

Stevenson, J., D. Byerlee, N. Villorio, T. Kelley and M. Maredia. 2011. Agricultural technology, global land use and deforestation: a review and new estimates of the impact of crop research. In *Measuring the Environmental Impacts of Agricultural Research: Theory and Applications to CGIAR Research*. Independent Science and Partnership Council Secretariat: Rome, Italy. <http://impact.cgiar.org/sites/default/files/images/EIAStudy2011.pdf>

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Hambulo Ngoma (presenter), Maredia, M., Mason, N., Chapota, A., and Muyanga, M. 2019. "Changes in stakeholder perceptions of the quality of institutional architecture and quality of agriculture and food security policy processes in Zambia." IAPRI/FSP Policy Outreach Meeting, Lusaka, Zambia, December 5, 2019.

Mason, Nicole M., Auckland Kuteya, Danielle Resnick, Vincenzina Caputo, Mywish Maredia, Robert Shupp, and Hambulo Ngoma (presenter). 2019. "Zambian smallholder farmers', rural residents', and other stakeholders' agricultural sector policy preferences." IAPRI/FSP Policy Outreach Meeting, Lusaka, Zambia, December 5, 2019.

Spielman, D. and M. Maredia (presenter). 2019. "Closing the Hunger Gap through Improved Seed Access: The Role of Seed Policies" Presentation made at The Committee on World Food Security (CFS) Side Event, FAO, Rome, October 15, 2019.

Farris, J., Maredia, M.K. (presenter), Mason N., Ortega, D.L. "Effectiveness of Lead-Farmer Extension in Tanzania: The Role of Personality and Physical Distance." Presentation at the Annual PIM partners meeting, Washington, D.C., October 29, 2019

Morgan, S, N. Mason, and M. Maredia. 2019. "Do different extension approaches affect smallholder farmers' willingness-to-pay for new agricultural technologies? Experimental auction results from Tanzania." Presentation at the Final Outreach Workshop for SIIL Tanzania. Mbeya, Tanzania. Aug. 29, 2019.

Bartle, Brian (presenter) and M. Maredia. "The effect of quality signaling and trust on willingness to pay for potato planting material: A research study in Kenya." Selected paper presentation at Agricultural & Applied Economics Association (AAEA) Annual Meeting, Atlanta, GA, July 2019

Farris, J. (presenter), Maredia, M.K., Mason N., Ortega, D.L. "Effectiveness of Lead-Farmer Extension in Tanzania: The Role of Personality and Physical Distance." Selected paper presentation at Agricultural & Applied Economics Association (AAEA) Annual Meeting, Atlanta, GA, July 2019

Maredia, M. (presenter). 2019. Building resilience through better policies: Examples from Food Security Policy Innovation Lab. Feed the Future Innovation Labs Regional Partners Meeting, Ethiopia, May 20-21, 2019.

Morgan, S (presenter), N. Mason, and M. Maredia. 2019. "Do different extension approaches affect smallholder farmers' willingness-to-pay for new agricultural technologies? Experimental auction results from Tanzania." Midwest International Economic Development Conference. Madison, WI. April 27, 2019

Bartle, Brian and M. Maredia (presenter). "The effect of quality signaling and trust on willingness to pay for potato planting material: A research study in Kenya." Presentation at the Willingness to Pay Methodology Workshop organized by CIP, Nairobi, March 2019

Maredia, M (presenter). "Willingness to Pay Case Study: Value of Quality Legume Seeds: Evidence from Auction Experiments" Presentation at the Willingness to Pay Methodology Workshop organized by CIP, Nairobi, March 2019

Maredia, M. and D. Spielman. 2018. *Increasing smallholder farmers' access to quality seeds and traits: markets, institutions and policy considerations*. Organized Symposia at ICAE 2018. International Association of Agricultural Economists, Vancouver, Canada.

Maredia, M. (presenter) and R. Shupp. 2018. *Value of quality seeds: Evidence from auction*

experiments. Paper presented at ICAE 2018, International Association of Agricultural Economists, Vancouver, Canada.

Hareau, Guy, Tahirou Abdoulaye, David J. Spielman, and Mywish K. Maredia. 2018. *Seed systems and markets for vegetatively propagated crops: Insights from Asia, Africa, and Latin America*. Paper presented at ICAE 2018, International Association of Agricultural Economists, Vancouver, Canada.

Ray, M., Maredia, M., and R. Shupp. 2018. *Risk Preferences and Climate Smart Technology Adoption: A Duration Model Approach for India*. Paper presented at ICAE 2018, International Association of Agricultural Economists, Vancouver, Canada.

Ray, M. and Maredia M. 2018. *Do Smaller States Lead to More Development? Evidence from Splitting of Large States in India*. Paper presented at ICAE 2018, International Association of Agricultural Economists, Vancouver, Canada.

Morgan, Stephen, Nicole Mason, and Mywish Maredia. 2018. *Farmer Valuation of Improved Bean Seed Technologies: Real Auction Evidence from Tanzania*. Paper presented at AAEA 2018, American Agricultural Economics Association, Washington, DC, United States.

Farris, J., S. Jin, M. Maredia, and M. Porter. 2018. *Assessing Heterogeneity in the Child Growth Impacts of In-Utero Rainfall Shocks in Rural Rwanda*. Paper presented at AAEA 2018, American Agricultural Economics Association, Washington, DC, United States.

Ray, M. and Maredia M. 2018. *Legume Technologies as a Sustainable Solution to Climatic Shocks: Evidence from Malawi*. Paper presented at AAEA 2018, American Agricultural Economics Association, Washington, DC, United States.

DeYoung, D., B. Reyes, and M. Maredia. 2018. *Profitable but Vulnerable: Assessment of the Nicaraguan Bean Seed Enterprises Using Duration Analysis*. Paper presented at AAEA 2018, American Agricultural Economics Association, Washington, DC, United States.

Maredia, M. K., Shupp, R. S., Mensope, N. M., Ilboudo, D., Opoku, E. (August 2018) *Farmers' Willingness to Pay for Quality Seed: What Role Does Credence, Experience, and Observation Play?* Presented poster at AAEA 2018, American Agricultural Economics Association, Washington, DC, United States.

Maredia, M., Shupp, R., MeNsope, N., D. Ilboudo, and E. Opoku. 2018. *Farmers' willingness to pay for quality seed: What role does credence, experience, and observation play?* Presented poster at AAEA 2018, American Agricultural Economics Association, Washington, DC, United States.

Me-Nsope, Nathalie M., David L. Ortega, Dieudonne Ilboudo, and Mywish K. Maredia. 2018. *Farmer preferences for chemical versus biological pest control methods: Evidence from choice experiments conducted in Burkina*. Presented poster at AAEA 2018, American Agricultural Economics Association, Washington, DC, United States.

Maredia, M.K. 2018. *Ensuring Research Reaches those most in need: Pathways for effective delivery and impacts*. Presentation made at the AAAS Annual Meeting, Austin, TX, February 16, 2018.

Maredia, M.K. 2018. Research Toward Impact: What, Why, and How Innovation Labs are designed with impactful outcomes in mind. Presentation made at the Feed the Future Innovation Labs Regional Partners Meeting, Kampala, Uganda, May 21-25, 2018.

Maredia, M.K. 2018. Building resilience through policies, institutions, and capacity development: Examples from Food Security Policy Innovation Lab. Presentation made at the Feed the Future Innovation Labs Regional Partners Meeting, Kampala, Uganda, May 21-25, 2018.

COLLEGE/DEPARTMENT SERVICE:

Member, Graduate Student Job Placement Committee, AFRE Department. (August 2017-Present).

Member, Advisory Council, Asian Studies Center (MSU). (September 2016 – August 2018). Responsibilities: To provide advice on the broad direction of the Asian Studies Center based on Dean Hanson's vision for International Studies and Program (ISP) as MSU.

Chair, International and Regional Economic Development (Strategic Planning Ad hoc Committee), Michigan State University. (March 2016 - December 2016). Responsibilities: Lead the development of a Report that was submitted to the Department Advisory Committee (DAC) as an input in the AFRE Department's strategic planning process.

Fixed Term Assistant Professor, International Development, Search Committee Chair, April-September 2013

International Agricultural Development (IAD) Field Exam Committee 2011, Committee Member

Ph.D. Thesis Selection Committee, Committee Chair, 2011: Review all the Ph.D. dissertations completed by Department graduates in 2010 and select one thesis for nomination for the "AAEA most outstanding dissertation award-2010"

Pulse CRSP Deputy Director Search Committee, Committee Member, August – October 2011.

OTHER PROFESSIONAL SERVICE:

Co-Leader, Cluster 1.2- Science Policy and Innovation Systems for Sustainable Intensification, CGIAR Research Program on Policy, Institution and Markets (PIM), (October 2016 - Present). Responsibilities: Lead the process to define strategic directions for the flagship, communicate them clearly to PIM teams and partners, and work with the cluster and activity leaders to ensure translation of strategic directions into work plans and budgets; Provide technical expertise and guidance to flagship teams; Ensure coordination of work within the flagship.

Theme leader for Abstract Review, Technology Dissemination, Adoption and Impact Assessment/ policy – transformation, Pan African Legume and World Cowpea Conference, (November 2015 - January 2016).

Conference/Meeting Organizer, Innovative methods for measuring adoption of agricultural technologies: Establishing proof of concept and thinking about scaling up, MSU, SPIA and PIM,

(August 3, 2016 - August 4, 2016). Responsibilities: Organized a two-day workshop, jointly sponsored by SPIA and PIM, to bring together impact assessment researchers from the CGIAR to: a) Take a stock of current and innovative methods for measuring adoption of agricultural technologies; b) Share and discuss results and insights from pilot studies and experiments conducted to establish proof of concepts to harness the potential of new methods for tracking adoption of agricultural practices and other types of technologies; and c) Further the discussion on scaling up proven methods for measuring technology adoption.

Served as peer reviewer for journals (Past 2 years):

Nature, Agricultural Economics, Applied Economic Perspectives and Policy, J of Agricultural Economics, Food Policy

COMMUNITY SERVICE

1997-2013: Secretary, Board of Directors, Sidhpur Foundation. Sidhpur Foundation is a 501(c)(3) non-profit organization working towards the educational development of communities originating from Sidhpur and surrounding rural areas in Gujarat, India. It was co-founded by Karim Maredia and Mywish Maredia in 1997.

LANGUAGE SKILLS

English, Hindi and Gujarati (fluent); Spanish (working knowledge)