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Research Interests

Environmental and Resource Economics; Climate Change Impact Assessment; Regional Integrated Assessment Models; Production Risk Analysis; Trade and Environment; Energy Economics

Professional Experience

- Postdoc, Institute of Economic Research, University of Neuchâtel, 2017.09 - present
- Postdoc, Department of Applied Economics, Oregon State University, 2015.09 – 2017.08

Education

- Ph.D., Applied Economics, Oregon State University, 2015.09
- M.A., Natural Resource and Environmental Economics, Renmin University of China, 2010.07
- B.A., Public Administration and Policy (major), Finance (minor), Renmin University of China, 2008.07

Peer-reviewed Journal Articles

- Antle, J.M.; **Zhang, H.**; Mu, J.E.; Abatzoglou, J.; Stöckle, C. 2017. Methods to Assess Cropping System Adaptations to Climate Change: Dryland Wheat Systems in the Pacific Northwest United States. *Agriculture, Ecosystems and Environment*, in press. doi:10.1016/j.agee.2017.03.017
- Antle, J.M.; Mu, J.E.; **Zhang, H.**; Capalbo S.M.; Diebel, P.L.; Eigenbrode, S.D.; Kruger, C.E.; Stöckle, C.O.; Wulfhorst, J.D.; Abatzoglou, J.T. 2017. Design and Use of Representative Agricultural Pathways for Regional Integrated Assessment of Climate Change in the U.S. Pacific Northwest Cereal-Based Systems. *Frontier in Ecology and Evolution*. doi:10.3389/fevo.2017.00099
- **Zhang, H.**; Mu, J.E.; McCarl, B.A. 2017. Adaption to Climate Change through Fallow Rotation in the U.S. Pacific Northwest. *Climate*, 5(3): 64. doi:10.3390/cli5030064

Working Papers

- Zhang, H.; Mu, J.E.; McCarl, B.A. Adaptation to Climate Change via Adjustment in Land Leasing: Evidence from Dryland Wheat Farms in the U.S. Pacific Northwest, *submitted*
- Bigelow, D.P.; Zhang, H. Adaption to Climate Change through Acquiring Supplemental Irrigation Water Rights, *submitted*
- Zhang, H.; Antle, J.M. Weather, Climate and Production Risk, *in preparation*

Chinese Publications

- **Zhang, H.** 2009. Review of Initial Carbon Emission Rights Allocation. *Environmental*

Protection and Circular Economy, 29(12):16-18

- Ma, Z.; Wu, J.; Xun, W.; **Zhang, H.** 2007. Establishing an Effective Long-term Mechanism for Emission Reduction. *Environmental Protection*, 12:20-22

Presentations

- Assessing Climate Vulnerability of Agricultural Systems Using High-order moments: A Case Study in the U.S. Pacific Northwest. August 2015. Selected paper presentation at the 2016 AAEA Annual Meeting. Boston, MA.
- Economic Analysis of Climate Impact and Adaptation for the Dryland Wheat System in the US Pacific Northwest. June 2016. Selected paper presentation at the AgMIP 6th Global Workshop. Montpellier, France.
- Revenue, Cost and Profitability of Grape Production in the U.S. Pacific Northwest: Econometric Analysis of Farm-Level Agricultural Census Data. June 2016. Selected paper presentation at the AAWE 10th Annual Meeting. Bordeaux, France.
- Old Wine in a New Bottle: Climate Change, Irrigation, and Institutions. November 2015. Selected paper presentation at the 2015 SEA Annual Meeting. New Orleans, LA.
- Pollution Haven Effect with Heterogeneous Firms. August 2013. Selected paper presentation at the 2013 AAEA Annual Meeting. Washington D.C.
- Integrating Spatial Dimension into Jointly Dynamic Groundwater Extraction. August 2013. Selected paper presentation at the 2013 AAEA Annual Meeting. Washington D.C.
- Approaches to Climate Change for Pacific Northwest Agriculture. June 2013. The 1st Annual Global TOA-MD Workshop. Corvallis, OR.
- Climate Change Impact and Adaptation in the PNW Wheat Systems. February 2013. The 2nd REACCH Annual Meeting. Portland, OR.

Teaching Experience

Instructor, Institute of Economic Research, University of Neuchâtel

- Economic Policy (Master level), Fall 2017
- Refresher Course in Mathematics, Probability, and Statistics, September 2017

Co-instructor, Department of Applied Economics, Oregon State University

- Microeconomic Theory I (PhD level), Winter 2015
- Math Camp, September 2013, 2014

Graduate teaching assistant, Department of Applied Economics, Oregon State University

- Econometrics I (PhD level), Winter 2013

Awards and Fellowships

- Regional Approach to Climate Change in Pacific Northwest Agriculture, Certificate of Appreciation Award, March 2014
- Pacific Northwest Climate Science Conference Travel Fellowship, September 2013
- Agricultural and Applied Economics Association (AAEA) Early Professional and Student Travel Grant, July 2013
- D. Barton DeLoach Distinguished Fellowship, Oregon State University, September 2013
- Oregon Lottery Graduate Scholarship, Oregon State University, September 2013

- National Scholarship, Ministry of Education, China, September 2007

Languages

- Chinese (native), English (fluent)

Computer Skills

- Proficient in STATA, SAS, Matlab, and ArcGIS
- Basic in R, SPSS, and GAMS

Refereeing for Scientific Journals

American Journal of Agricultural Economics