

Cloé Garnache
Assistant Professor, University of Oslo
Department of Economics

Contact Information

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Academic Positions & Affiliations

Assistant Professor, Department of Economics, University of Oslo	Sept. 2018 -
Affiliate member, Center for Economic Studies CESifo	2016 -
Assistant Prof, Dept of Ag. Food, and Resource Economics, Michigan State Univ.	2013 - 2018

Short Academic Visits

CESifo, Ludwig Maximilian University, Munich	July-Aug 2016
Ragnar Frisch Center for Economic Research, University of Oslo	March-April 2018
Norwegian School of Economics, Bergen	April-May 2018

Education

PhD, Agricultural and Resource Economics, University of California, Davis	2013
MS, Energy and Environmental Economics, AgroParisTech, Paris	2007
MS, Agronomic and Life Sciences Engineering, AgroParisTech, Paris	2007

Peer-Reviewed Publications

- [1] Reeling, C., Garnache, C., and Horan, R. (2018) “Efficiency Gains from Integrated Multipollutant Trading.” *Resource and Energy Economics*. 52:124–136.
- [2] Garnache, C. and Mérel, P.R. (2017) “The Social Costs of Environmental Goods Provision: A Cautionary Guide to the Revealed-Preference Approach.” *Journal of the Association of Environmental and Resource Economists*. 4(4):1025–1052.
- [3] Garnache, C., Mérel, P.R., Howitt, R.E., and Lee, J. (2017) “Calibration of Shadow Values in Constrained Optimization Models of Agricultural Supply.” *European Review of Agricultural Economics*. 44(3): 363–397. (Lead article)
- [4] Garnache, C., Mérel, P.R., Lee, J., and Six, J. (2017) “The Social Costs of Second-Best Policies: Evidence from Agricultural GHG Mitigation.” *Journal of Environmental Economics and Management*. 82:39–73.
- [5] Klaiman, K., Ortega, D.L., Garnache, C. (2017) “Perceived Barriers to Food Packaging Recycling: Evidence From a Choice Experiment of US Consumers.” *Food Control*. 73(B):291–299.
- [6] Klaiman, K., Ortega, D.L., and Garnache, C. (2016) “Consumer Preferences and Demand for Packaging Material and Recyclability.” *Resources, Conservation & Recycling*. 115:1–8.
- [7] Garnache, C., Swinton, S., Herriges, J.A., Lupi, F., and Stevenson, R.J. (2016) “The Phosphorus Pollution Puzzle: Knowledge Gaps and Directions for Future Research.” *American Journal of Agricultural Economics*. 98(5):1334–1359.

- [8] Garnache, C. and Mérel, P.R. (2015). “What Can Acreage Allocations Say About Supply Elasticities? A Convex Programming Approach to Supply Response Disaggregation.” *Journal of Agricultural Economics*. 66(1):236–256.
- [9] Garnache, C. (2015). “Fish, Farmers, and Floods: Coordinating Institutions to Optimize the Provision of Ecosystem Services.” *Journal of the Association of Environmental and Resource Economists*. 2(3):367–399.

Working Papers

- [1] “A City on Fire: The Effect of Saliency on Risk Perceptions” (*with T. Guilfoos*)
- [2] “Effect of Wildfires on the Value of Recreation Services in Southern California” (*with F. Lupi*)
- [3] “Linking Markets to Improve Trading Program Participation and Performance” (*with R. Horan and C. Reeling*)
- [4] “Efficiency Gains Arising from Dynamic Groundwater Markets” (*with T. Guilfoos, J. Suter, and N. Merrill*)

Other Publications

- Garnache, C., L. Srivastava, J. Sánchez, and F. Lupi. (2018). “Recreation Ecosystem Services from Chaparral Dominated Landscapes: A Baseline Assessment from National Forests in Southern California,” Chapter 10 in *Valuing Chaparral: Ecological, Socio-Economic, and Management Perspectives*, E. Underwood, H. Safford, N. Molinari and J. Keeley (Eds), Springer.
- Garnache, C. (2016) Book Review of *Handbook of Water Economics*, eds A. Dinar and K. Schwabe, *Water Economics and Policy* 2(2):1680003.
- Garnache, C., Lopez, M.C., Pearson, A.L., Richardson, R.B., and Zwickle, A. (2015). “Institutional Analysis, Participatory Mapping, and Water Assessment for Sustainable Community Development in Tanzania.” Report to the Center for Advanced Study of International Development, Michigan State University. International Strategic Partnership Funding.
- Howitt, R.E., MacEwan, D., Garnache, C., Medellin Azuara, J., Lee, J., Six, J., Marchand, P., and Brown, D. (2012). “Yolo Bypass Flood Date and Flow Volume Agricultural Impact Analysis,” prepared for Yolo County.
- Garnache, C., Rosen-Molina, J.T., and Sumner, D.A. (2010). Economics of Carbon Credits from Voluntary Practices on Rice Farms in the Sacramento Valley. In “Creating and Quantifying Carbon Credits from Voluntary Practices on Rice Farms in the Sacramento Valley: Accounting for Multiple Benefits for Producers and the Environment,” Environmental Defense Fund, Inc. pp11-17

Awards & Fellowships

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| Research Excellence Award, Dept. of Ag., Food, and Res. Econ, Michigan State Univ. | 2017 |
| Academy for Global Engagement Fellow, Michigan State University | 2015 |
| Jastro-Shields Research Grant Fellowship, UC Davis | 2012, 2011 |
| Travel Fellowship, Agricultural and Applied Economics Association | 2012 |

Grants (* as Lead Principal Investigator)

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| *USDA, NIFA. “Linking Agricultural Nutrient Pollution to the Value of Freshwater Ecosystem Services” (with Lupi, Herriges, Stevenson, Hyndman, Basso), \$500k | 2017-2020 |
| USDA, NIFA. “Using Markets to Coordinate the Provision of Multiple Agri-Environmental Services” (with Horan, Shupp, Reeling), \$500k | 2017-2020 |

- *USDA, NIFA&ERS. “Effect of Non-monetary Incentives on Phosphorus Use and Conservation Program Participation: A Randomized Controlled Trial” (with Lupi, Herriges, Basso), \$250k 2017-2018
- National Science Foundation. “Food Energy, Water and Abundance: Improving Cross-Border Governance and Protection of the Great Waters of the World” (with Richardson, Lopez, Pearson, Zwickle), \$90k 2015
- *USDA Forest Service. “Estimating the Effect of Wildfire on the Value of Ecosystem Services Provided by National Forests in Southern California” (with Lupi), \$293k 2014-2018
- Michigan State Univ.’s WaterCube Program. “The Economics of Phosphorus Pollution” (with Herriges, Lupi, Stevenson), \$80k 2015-2017
- Michigan State Univ.’s Center for Packaging. “Evaluating the Drivers and Determinants of Consumers’ Willingness to Recycle” (with Ortega), \$87k 2014-2015

Invited Presentations

2018: Norwegian School of Economics (NHH); BI Business School, Oslo; Frisch Center, Oslo; Norwegian University of Life Sciences, Ås. **2017:** University of Colorado, Boulder; Montana State University; Ohio State University (Ag, Env&Dev Econ); Michigan State University (Ag, Food&Res Econ). **2016:** UC Davis (Ag&Res Econ); CESifo Munich; University of Delaware. **2015:** US Forest Service; Michigan State University (Academy for Global Engagement). **2014:** University of Rhode Island (Env&Nat Res Econ). **2013:** University of Michigan; UC Davis (Ag&Res Econ); ETH Zurich; USDA ERS; INRA Paris-Grignon (Unité Mixte de Recherche d’Economie Publique). **2012:** American River College; Oregon State University; Michigan State University (Ag, Food&Res Econ); UC Davis (Ag&Res Econ); US Army Corps of Engineers.

Conferences (* presentation by co-author)

2019: NBER Energy&Env Econ; ASSA (AERE Session); **2018:** WCERE; AAEA. **2017:** AAEA (3 papers)*. **2016:** ASSA; Festschrift Conference (Davis); EAERE; AAEA*. **2015:** NAREA*; AAEA*; MSU/UM/WMICH Energy&Env Econ Day (Ann Arbor). **2014:** American Fisheries Society Meeting; AAEA; International Institute of Fisheries Economics & Trade. **2013:** NBER Energy&Env Econ; EAERE; AAEA; MSU/UM/Wayne Energy&Env Econ Day (Ann Arbor). **2012:** AAEA. **2011:** AERE; AAEA; EAAE International Congress.

Teaching & Student Advising

Teaching Experience at Michigan State University

AFRE 900A - Applied Microeconomics, PhD	Fall 2014-2017
AEC 891 - Mathematical Programming for Economists, MS	Spring 2014
EEP 255 - Ecological Economics, Undergraduate	Fall 2014-2016

Student Committee at Michigan State University (* major professor)

April Ross (PhD, current)*; Sophia Tanner (PhD, 2018)*; Keneilwe Kgosikoma (PhD, 2016); Carson Reeling (PhD, 2015); Leah Harris Palm-Forster (PhD, 2015); Kimmie Klaiman (MS, 2015)*; Ranjit Bawa (MS, 2015)*

Service

Refereeing Service

Journal of the European Economic Association; Journal of the Association of Environmental and Resource Economists; Journal of Environmental Economics and Management; American Journal of Agricultural Economics; European Review of Agricultural Economics; Energy Policy; Canadian Journal of Agricultural Economics; Resource and Energy Economics; Environmental and Resource Economics; Marine Resource Economics; Agricultural Economics; Water Policy;

Fisheries Research; Science of the Total Environment; Resources, Conservation and Recycling; National Science Foundation; SeaGrant; Great Lakes Fisheries Trust; University of Michigan Water Center Grant

Service at Michigan State University

Member of recruitment committees	2017, 2018
Environmental Science and Policy Program's faculty advisory committee	2016-2018
Water Science Network's faculty advisory committee	2016-2018
College undergraduate curriculum committee	2016-2018
Graduate admission committee	2018
Departmental seminar committee (chair/co-chair)	2014-2016
Graduate Student symposium (organizer/co-organizer)	2014-2016
PhD dissertation award committee	2013-2014
Environmental and Resource Economics's field exam committee	spring&fall 2013, 2016
Env. Science and Policy Program's summer research fellowship committee	2017, 2018
Env. Econ. and Management's Undergraduate major fellowship committee	2016, 2018

Professional Service & Activities

AAEA Environmental Economics track Paper Session (organizer)	2018
AAEA Invited Paper Session at the ASSA meeting (organizer)	2016
AAEA Annual Meeting Selected Papers Committee (member)	2017-2018
AAEA Selected Presentations Committee (reviewer)	2017-2018
European Economic Association Annual Congress Program Committee (reviewer)	2016