

Cloé Garnache
Assistant Professor, University of Oslo
Department of Economics

Contact Information

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Academic Positions & Affiliations

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| Associate Professor, Housing Lab, Oslo Metropolitan University | Aug. 2020 - |
| Affiliate Researcher, Department of Economics, University of Oslo | Aug. 2020 - |
| Assistant Professor, Department of Economics, University of Oslo | Sept. 2018 - Aug. 2020 |
| 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

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| 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

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| 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] Lupi, F., Basso, B., Garnache, C., Herriges, J., Hyndman, D., and Stevenson, R.J. (2020) “Linking Agricultural Nutrient Pollution to the Value of Freshwater Ecosystem Services” *Land Economics*. 96(4).
- [2] Srivastava, L., Hand, M., Kim, J., Sánchez, J.J., Lupi, F., Garnache, C., Drapek, R.J., and Quinn, J. F. (2020) “How Will Climate Change Affect the Provision and Value of Water from Public Lands in Southern California Through the 21st Century?” *Agricultural and Resource Economics Review*. 49(1):117–149.
- [3] Reeling, C., Horan, R., and Garnache, C. (2020) “When the Levee Breaks: Can Multi-Pollutant Markets Break the Dam on Point-Nonpoint Market Participation?” *American Journal of Agricultural Economics*. 102(2):625–640.
- [4] Reeling, C., Garnache, C., and Horan, R. (2018) “Efficiency Gains from Integrated Multipollutant Trading.” *Resource and Energy Economics*. 52:124–136.
- [5] 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.
- [6] 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)

- [7] 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.
- [8] 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.
- [9] Klaiman, K., Ortega, D.L., and Garnache, C. (2016) “Consumer Preferences and Demand for Packaging Material and Recyclability.” *Resources, Conservation & Recycling*. 115:1–8.
- [10] 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.
- [11] 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.
- [12] 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

- “Does the Salience of Risk Affect Large, Risky Asset Prices?”
- “Environmental Policy in General Equilibrium: When the Choice of the Numeraire Matters” (*with P. Mérel*), CESifo Working Paper Series 8354, CESifo.
- “Peak pricing in Norway – A large-scale field experiment” (*with Ø. Hernæs and A. Imenes*)
- “Differential Effects of Wildfires on Housing Prices: Do Risk Zones Convey Information to Homeowners?” (*with S. Tanner and F. Lupi*)

Work in Progress

- “First or Second-Bidder Advantage in English Auctions? Evidence from Housing Auctions” (*with A.K. Anundsen and E. Røed Larsen*)
- “Do Social Comparisons Nudge Conservation Effort? Evidence from a Randomized Control Trial” (*with J. Herriges and F. Lupi*)

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)

- *USDA, NIFA. 2017-2020. “Linking Agricultural Nutrient Pollution to the Value of Freshwater Ecosystem Services” (with Lupi, Herriges, Stevenson, Hyndman, Basso), \$500k.
- USDA, NIFA. 2017-2020. “Using Markets to Coordinate the Provision of Multiple Agri-Environmental Services” (with Horan, Shupp, Reeling), \$500k.
- *USDA, NIFA&ERS. 2017-2018. “Effect of Non-monetary Incentives on Phosphorus Use and Conservation Program Participation: A Randomized Controlled Trial” (with Lupi, Herriges, Basso), \$250k.
- National Science Foundation. 2015. “Food Energy, Water and Abundance: Improving Cross-Border Governance and Protection of the Great Waters of the World” (with Richardson, Lopez, Pearson, Zwickle), \$90k.
- *USDA Forest Service. 2014-2018. “Estimating the Effect of Wildfire on the Value of Ecosystem Services Provided by National Forests in Southern California” (with Lupi), \$293k.
- Michigan State Univ.’s WaterCube Program. 2015-2017. “The Economics of Phosphorus Pollution” (with Herriges, Lupi, Stevenson), \$80k.
- Michigan State Univ.’s Center for Packaging Innovation and Sustainability. 2014-2015. “Evaluating the Drivers and Determinants of Consumers’ Willingness to Recycle” (with Ortega), \$87k.

Invited Presentations (* scheduled)

2020: Toulouse School of Economics*, INRAE Paris (Economie Publique)*; University of Uppsala*, University of Gothenburg*, University of Cologne; ESSEC. **2019:** Copenhagen Business School; BI Oslo Business School (Finance). **2018:** Norwegian School of Economics (NHH); BI Oslo Business School; Frisch Center for Economic Research; Norwegian University of Life Sciences. **2017:** University of Colorado, Boulder; Montana State University; Ohio State University; Michigan State University. **2016:** UC Davis; CESifo Munich; University of Delaware. **2015:** US Forest Service; Michigan State University (Academy for Global Engagement). **2014:** University of Rhode Island. **2013:** University of Michigan; UC Davis; ETH Zurich; USDA ERS; INRA Paris-Grignon (Unité Mixte de Recherche d’Economie Publique). **2012:** American River College; Oregon State University; Michigan State University; UC Davis; US Army Corps of Engineers.

Conferences (* presentation by co-author)

2020: RFS-Yale Conference on Real and Private-Value Assets. **2019:** NBER Energy&Environmental Economics; ASSA (AERE Session). **2018:** World Congress of Environmental & Resource Economics; Agricultural & Applied Economics Association (AAEA) conference. **2017:** Agricultural & Applied Economics Association (AAEA) conference (3 papers)*. **2016:** ASSA; Festschrift Conference (Davis); EAERE; Agricultural & Applied Economics Association (AAEA) conference*. **2015:** Northeast Agricultural & Resource Economics Association (NAREA) conference*; Agricultural & Applied Economics Association (AAEA) conference*; MSU/UM/WMICH Energy&Environmental

Economics Day (Ann Arbor). **2014**: American Fisheries Society Meeting; Agricultural & Applied Economics Association (AAEA) conference; International Institute of Fisheries Economics & Trade. **2013**: NBER Energy&Environmental Economics; European Association of Environmental & Resource Economics (AERE) conference; Agricultural & Applied Economics Association (AAEA) conference; MSU/UM/Wayne Energy&Environmental Economics Day (Ann Arbor). **2012**: Agricultural & Applied Economics Association (AAEA) conference. **2011**: Association of Environmental & Resource Economics (AERE) conference; Agricultural & Applied Economics Association (AAEA) conference; European Association of Agricultural Economics International Congress.

Teaching & Student Advising

Teaching Experience at University of Oslo

ECON2920 - Environmental and Natural Resource Econ., Undergraduate Spring 2020

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 (* *major professor*)

University of Oslo

3 master students*

Michigan State University

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

University of Oslo and OsloMet (Housing Lab)

Various postdoc and PhD recruitment committees 2019, 2020

Michigan State University

Faculty 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

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| 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 |