

## **Curriculum Vitae: Mark N. Lubell, Ph.D. (September 2018)**

Professor  
Department of Environmental Science and Policy  
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Center for Environmental Policy and Behavior: <http://environmentalpolicy.ucdavis.edu/>

### **Academic Appointments**

July, 2010-Present. Professor and Vice Chair, Department of Environmental Science and Policy, University of California, Davis. Director, Center for Environmental Policy and Behavior.

Associate Professor, July 2006-July 2010. Department of Environmental Science and Policy, University of California, Davis.

Assistant Professor. Fall 2002-July 2006. Department of Environmental Science and Policy, University of California, Davis.

Assistant Professor. Fall 1999-Spring 2002. Department of Political Science, Florida State University.

### **Education**

Ph.D. (8/99) Political Science, State University of New York at Stony Brook  
Major: Public Policy; Minor: Political Psychology, Quantitative Methodology  
M. A. (12/96) in Political Science, SUNY at Stony Brook  
B.A. (6/93) in Political Science, University of California San Diego

### **Awards**

2010 Excellence in Education Award ASUCD Academic Affairs Commission, Nominee

2008-2010 Research Fellow, Institute for Science, Technology & Public Policy, Bush School of Government and Public Service, Texas A&M.

2006 Distinguished University of California, Davis Educator.

2005 Excellence in Education Award ASUCD Academic Affairs Commission, Nominee.

Pi Sigma Alpha Award for Best Paper at the 2002 Annual Meeting of the Midwest

Political Science Association

## Journal Articles

91. Mewhirter, Jack, Mark Lubell, and Ramiro Berardo. 2018. "Institutional Externalities and Actor Performance in Polycentric Governance Systems." *Environmental Policy and Governance* 28(4): 295–307.
90. Williamson, Matthew A, Mark Schwartz, Mark Lubell. 2018. "Spatially Explicit Analytical Models for Social-Ecological Systems." *BioScience*, forthcoming
89. Cadena, M., Hoffman, M., Gallardo, R. A., Figueroa, A., Lubell, M., & Pitesky, M. 2018. "Using Social Network Analysis to Characterize the Collaboration Network of Backyard Poultry Trainers in California." *Preventive Veterinary Medicine* 158: 129–136.
88. Levy, Michael A., Mark N. Lubell, and Neil McRoberts. 2018 "The Structure of Mental Models of Sustainable Agriculture." *Nature Sustainability* 1(8): 413.
87. Hamilton, Matthew, Mark Lubell, and Emilinah Namaganda. 2018. "Cross-level Linkages in an Ecology of Climate Change Adaptation Policy Games." *Ecology and Society* 23(2).
86. Hamilton, Matthew, and Mark Lubell. 2018. "Collaborative Governance of Climate Change Adaptation across Spatial and Institutional Scales." *Policy Studies Journal* 46(2): 222-247.
85. Hileman, Jacob, and Mark Lubell. 2018. "The network structure of multilevel water resources governance in Central America." *Ecology and Society* 23(2).
84. Pike, Susan, and Mark Lubell. 2018. "The Conditional Effects of Social Influence in Transportation Mode Choice." *Research in Transportation Economics*.  
<https://doi.org/10.1016/j.retrec.2018.05.010>.
83. Hillis, Vicken, Mark Lubell, and Matthew Hoffman. 2018. "Sustainability partnerships and viticulture management in California." *Journal of environmental management* 217 (1): 214-225.
82. Hileman, Jacob and Bastos, Marco T. and Lubell, Mark. 2018. "Robustness and the Paradox of Bridging Organizations: The Exit Problem in Regional Water Governance Networks in Central America." *Society and Natural Resources* 31(6): 683-697
81. Peters, Casey B., Mark W. Schwartz, and Mark N. Lubell. 2018. "Identifying climate risk perceptions, information needs, and barriers to information exchange among public land managers." *Science of the Total Environment* 616: 245-254.

80. Bastos, Marco, Carlo Piccardi, Michael Levy, Neil McRoberts, and Mark Lubell. 2018. "Core-periphery or decentralized? Topological shifts of specialized information on Twitter." *Social Networks* 52: 282-293.
79. Levy, Michael, and Mark Lubell. 2028. "Innovation, cooperation, and the structure of three regional sustainable agriculture networks in California." *Regional Environmental Change* 18(4): 1235-1246.
78. Elbroch, L. Mark, Michael Levy, Mark Lubell, Howard Quigley, and Anthony Caragiulo. 2017. "Adaptive Social Strategies in a Solitary Carnivore." *Science Advances* 3 (10). doi:10.1126/sciadv.1701218.
77. Lubell, Mark, John Scholz, Ramiro Berardo, and Jack Mewhirter. 2017. "Transaction Costs and the Perceived Effectiveness of Complex Institutional Systems." *Public Administration Review* 77(5): 668-680.
76. Yeoli, Ezra, David V. Budescu, Amanda R. Carrico, Magali A. Delmas, J.R DeShazo, Paul J. Ferraro, Hale A. Forster, Howard Kunreuther, Rick P. Larrick, Mark Lubell, Ezra M. Markowitz, Bruce Tonn, Michael P. Vandenberg, and Elke Weber. 2017. "Behavioral Science Tools to Strengthen Energy and Environmental Policy." *Behavioral Science and Policy* 3(1): 69-79
75. Hillis, Vicken, Mark Lubell, Jonathan Kaplan, and Kendra Baumgartner. 2017. "Preventative disease management and grower decision making: A case study of California winegrape growers." *Phytopathology* 107(6): 704-710
74. Pisano, Ignacio, and Mark Lubell. 2017. "Environmental behavior in cross-national perspective: A multilevel analysis of 30 countries." *Environment and Behavior* 49(1): 31-58.
73. Pike, Susan and Mark Lubell. 2016. "Geography and Social Networks in Transportation Mode Choice." *Journal of Transport Geography* 57: 184-193
72. Lubell, Mark, Lorien Jasny, and Alan Hastings. 2016. "Network Governance for Invasive Species Management". In press and online, *Conservation Letters*
71. Kaplan, Jonathon, Renaud Travadon, Monica Cooper, Vicken Hillis, Mark Lubell, and Kendra Baumgartner. 2016. "Identifying economic hurdles to early adoption of preventative practices: The case of trunk diseases in California winegrape vineyards." *Wine Economics and Policy* 5: 127-141.
70. Jager, Nicolas W.; Challies, Edward; Kochskämper, Elisa; Newig, Jens; Benson, David; Blackstock, Kirsty; Collins, Kevin; Ernst, Anna; Evers, Mariele; Feichtinger, Judith; Fritsch, Oliver; Gooch, Geoffrey; Grund, Wiebke; Hedelin, Beatrice; Hernández-Mora, Nuria; Hüesker, Frank; Huitema, Dave; Irvine, Kenneth; Klinke, Andreas; Lange, Leonie; Loupsans, Delphine; **Lubell, Mark**; Maganda, Carmen; Matczak, Piotr; Parés, Marc; Saarikoski, Heli; Slavíková, Lenka; van der Arend, Sonja; von Korff, York. 2016. "Transforming European

Water Governance? Participation and River Basin Management under the EU Water Framework Directive in 13 Member States." *Water* 8(4):156.

69. Bodin, Ö., G. Robins, R. R. J. McAllister, A. M. Guerrero, B. Crona, M. Tengö and M. Lubell. 2016. "Theorizing benefits and constraints in collaborative environmental governance: a transdisciplinary social-ecological network approach for empirical investigation." *Ecology and Society* 21 (1):40. [online] URL:<http://www.ecologyandsociety.org/vol21/iss1/art40/>
68. Berardo, Ramiro, and Mark Lubell. 2016. "Understanding What Shapes a Polycentric Governance System." *Public Administration Review* 76(5): 731-751
67. Bastos, Marco, and Mark Lubell, M. 2015. "Networking Aggie: Broadcasting Information To Topical Communities." Paper presented at Internet Research 16: The 16th Annual Meeting of the Association of Internet Researchers. Phoenix, AZ, USA: AoIR. (note: peer reviewed conference proceeding)
66. Hillis, Vicken, Mark Lubell, Jonathan Kaplan, David A Doll, and Kendra Baumgartner. 2015. "The Role of Pest Control Advisers in Preventative Management of Grapevine Trunk Diseases." *Phytopathology* 106(4): 339-347.
65. Hoffman, Matthew, Mark Lubell, and Vicken Hillis. 2015. "Network-smart extension could catalyze social learning." *California Agriculture* 69(2):113-122.
64. Leslie M. Roche, Tracy K. Schohr, Justin D. Derner, Mark N. Lubell, Bethany B. Cutts, Emily Kachergis, Valerie T. Eviner and Kenneth W. Tate. 2015. "Sustaining Working Rangelands: Insights from Rancher Decision-Making." *Rangeland Ecology and Management* 68(5):383-389.
63. Hillis, Vicken, and Mark Lubell. 2015. "Breeding cooperation: cultural evolution in an intergenerational public goods experiment." *Ecology and Society* 20(2): 8
62. Roche, Leslie, Bethany Cutts, Mark Lubell, Justin Derner, Ken Tate. 2015. "On-ranch grazing strategies: context for the rotational grazing dilemma." *Rangeland Ecology & Management* 68(3): 248-256.
61. Niles, Meredith, Mark Lubell, and Margaret Brown. 2015. "How Limiting Factors Drive Agricultural Adaptation to Climate Change". *Agriculture, Ecosystems, and Environment* 200(1): 178-185.
60. Jasny, Lorien and Mark Lubell. 2015. "Two-mode Brokerage in Policy Networks." *Social Networks* 41 (2015): 36-47.
59. Lubell, Mark. "Collaborative Partnerships in Complex Institutional Systems." 2015. *Current Opinion in Environmental Sustainability* 12 (2015): 41-47.

58. Kachergis, Emily, Justin D. Derner, Bethany B. Cutts, Leslie M. Roche, Valerie T. Eviner, Mark N. Lubell, and Kenneth W. Tate. 2014. "Increasing Flexibility in Rangeland Management During Drought." *Ecosphere* 5(6): art77-art77.
57. Balazs, Carolina, and Lubell, Mark. 2014. "Social Learning in an Environmental Justice Context: A Case Study of Integrated Regional Water Management." *Water Policy* 16: 97-120
56. Hoffman, Matthew, Mark Lubell, and Vicken Hillis. 2014. "Linking Knowledge and Action through Mental Models of Sustainable Agriculture." *Proceedings of the National Academy of Sciences* 111(36): 13016-13021.
55. Lubell, Mark, Meredith Niles, and Matthew Hoffman. 2014. "Extension 3.0: Managing Agricultural Knowledge Systems in the Age of Connectivity." *Society and Natural Resources* 27(10): 1089-1103
54. Lubell, Mark, Garry Robins and Peng Wang. 2014. "Network Structure and Institutional Complexity in an Ecology of Water Management Games." *Ecology and Society* 19 (4): 23. [online] URL: <http://www.ecologyandsociety.org/vol19/iss4/art23/>
53. Smaldino, Paul. E. & Lubell, Mark. 2014. "Institutions and Cooperation in an Ecology of Games." *Artificial Life* 20 (2): 207-221.
52. McAllister, Ryan, Rod McCrea, and Mark Lubell. 2014. "Policy networks, stakeholder interactions and climate adaptation in the region of South East Queensland, Australia." *Regional Environmental Change* 14(2): 527-539.
51. Steenwerth, Kerri L., Amanda K. Hodson, Arnold J. Bloom, Michael R. Carter, Andrea Cattaneo, Colin J. Chartres, Jerry L. Hatfield, Mark Lubell, et al. 2014. "Climate-Smart Agriculture Global Research Agenda: Scientific Basis for Action." *Agriculture & Food Security* 3 (1): 11. doi:10.1186/2048-7010-3-11.
50. Lubell, Mark., Bethany Cutts, Leslie Roche, Matt Hamilton, Justin Derner, Emily Kachergis, and Kent Tate. 2013. "Conservation Program Participation and Adaptive Rangeland Decision-Making." *Rangeland Ecology and Management* 66(6): 609-620.
49. Lubell, Mark and Jurian Edelenbos. 2013. "Integrated Water Resources Management: A Comparative Laboratory for Water Governance." *International Journal of Water Governance* 1: 177-196
48. Lubell, Mark. 2013. "Governing Institutional Complexity: The Ecology of Games Framework." *Policy Studies Journal* 41(3): 537-559.
47. Niles, Meredith, Mark Lubell, and Van Ryan Haden. 2013. "Perception and Responses to Climate Policy Risks Among California Farmers." *Global Environmental Change* 23(6): 1752-1760

46. Kachergis, Emily, Justin Derner, Leslie Roche, Kenneth Tate, Mark Lubell, Rachel Meador, and Jim Magagna. 2013. "Characterizing Wyoming Ranching Operations: Natural Resource Goals, Management Practices and Information Sources." *Natural Resources* 4: 45-54.
45. Bunn, David, Mark Lubell, Christine K. Johnson. 2013. "Reforms could boost conservation banking by landowners." *California Agriculture* 67(2):86-95.
44. Gerber, E. R., Henry, A. D. and Lubell, M. 2013. "Political Homophily and Collaboration in Regional Planning Networks." *American Journal of Political Science* 57(3): 568-610 doi: 0.1111/ajps.12011
43. Haden VR, Niles MT, Lubell M, Perlman J, Jackson LE. 2012. "Global and Local Concerns: What Attitudes and Beliefs Motivate Farmers to Mitigate and Adapt to Climate Change?" *PLoS ONE* 7(12):e52882.
42. Baum, William M., Brian Paciotti, Peter Richerson, Mark Lubell, and Richard McElreath. 2012. "Cooperation due to cultural norms, not individual reputation." *Behavioural Processes* 91 (1): 90-93.
41. Lubell, Mark, John Scholz, Garry Robins, and Ramiro Berardo. 2012. "Testing Policy Theory with Statistical Models of Networks." *Policy Studies Journal* 40(3): 351-374.
40. Henry, Adam, Mark Lubell, and Mike McCoy. 2012. Survey-Based Measurement of Public Management and Policy Networks. *Journal of Policy Analysis and Management* 31 (2): 432–452. doi: 10.1002/pam.21623
39. Niles, Meredith and Mark Lubell. 2012. "Integrative Frontiers in Environmental Policy Theory and Research." *Policy Studies Journal* 40: 61-64.
38. Pinho, Patricia, Ben Orlove, and Mark Lubell. 2012. "Overcoming Barriers to Collective Action in Community-Based Fisheries Management in the Amazon." *Human Organization* 71(1): 99-109
37. Garbach, Kelly., Mark Lubell, and Fabrice DeClerck. 2012. "Payment for Ecosystem Services: the roles of positive incentives and information sharing in stimulating adoption of silvopastoral conservation practices." *Agriculture, Ecosystems & Environment* 156 (1): 27-36.
36. Lubell, Mark, Vicken Hillis, and Matthew Hoffman. 2011. "Innovation, Cooperation, and the Perceived Benefits and Costs of Sustainable Viticulture Practices." *Ecology and Society* 16(4): 23.
35. Shaw, Lauren, Mark Lubell, and Cliff Ohmart. 2011. "The Evolution of Local Partnerships for Sustainable Agriculture". *Society and Natural Resources* 24:1078–1095

34. Tomich, Tom, Sonja Brodt, Howard Ferris, Ryan Galt, William R. Horwath, Ermias Kebreab, Johan Leveau, Daniel Liptzin, Mark Lubell, Pierre Merel, Richard Michelmore, Todd Rosenstock, Kate Scow, Johan Six, Neal Williams, and Louie Yang. 2011. "Agroecology: A Review from a Global-Change Perspective" *Annual Review of Environment and Resources* 36: 15.1–15.30
33. Paciotti, Brian. Richerson, Peter. J., Lubell, Mark, Waring, Tim, McElreath, Richard; Efferson, Charles; & Edsten, Ed. 2011. "Are Religious Individuals More Generous, Trusting, and Cooperative? An Experimental Test of the Effect of Religion on Prosociality." *Research in Economic Anthropology* 31: 267-305
32. Smaldino, Paul E., and Mark Lubell. 2011. "An Institutional Mechanism for Assortment in an Ecology of Games." *PLoS ONE* 6 (8): e23019.
31. Lubell, Mark and Lucas Lippert. 2011. "Integrated Regional Water Management: A Study of Collaboration or Water Politics-As-Usual in California, USA." *International Review of Administrative Sciences* 77(1): 76
30. Henry, Adam Douglas, Mark Lubell, and Michael McCoy. 2011. "Belief Systems and Social Capital as Drivers of Policy Network Structure: The Case of California Regional Planning." *Journal of Public Administration Research and Theory* 21 (3): 419-444.
29. Lubell, Mark, Henry Adam Douglas, and McCoy Mike. 2010. "Collaborative Institutions in an Ecology of Games." *American Journal of Political Science* 54 (2):287-300.
28. Shilling, Fraser, Aubrey White, Lucas Lippert, and Mark Lubell. 2010. "Contaminated fish consumption in California's Central Valley Delta." *Environmental Research*. doi:10.1016/j.envres.2010.02.002
27. Lubell, Mark and Richard Feiock. 2009. "Local Institutions and the Politics of Urban Growth." *American Journal of Political Science* 53(3): 649-655.
26. Lubell, Mark, Susan Handy, and Richard Feiock. 2009. "City Adoption of Environmentally Sustainable Policies in California's Central Valley." *Journal of the American Planning Association* 75(3): 293-308
25. McElreath, Richard, Adrian Bell, Charles Efferson, Mark Lubell, Peter Richerson, and Tim Waring. 2008. "Beyond Existence and Aiming Outside the Laboratory: Estimating Frequency-Dependent and Payoff-Biased Social Learning Strategies." *Philosophical Transactions of the Royal Society B*, 363: 3515-3528.
24. Feiock, Richard C. and António F. Tavares and Mark Lubell. 2008. "Policy Instrument Choices for Growth Management and Land Use Regulation" *Policy Studies Journal*. 36, 3: 461-480.

23. Efferson, C., Lalive, R., Richerson, P. J., McElreath, R., and Lubell, M. 2008. Conformists and mavericks: the empirics of frequency-dependent cultural transmission. *Evolution and Human Behavior* 29 (1): 56-64.
22. Lubell, Mark, and Allan Fulton. 2008. "Local Policy Networks and Agricultural Watershed Management." *Journal of Public Administration Research and Theory* 18 (4):673-96.
21. Lubell, Mark, Sammy Zahran, and Arnold Vedlitz. 2007. "Collective Action and Citizen Responses to Global Warming." *Political Behavior* 29(3): 391-414.
20. Lubell, Mark, and Allan Fulton. 2007. "Local Diffusion Networks as Pathways to Sustainable Agriculture." *California Agriculture* 61(3): 131-137.
19. Lubell, Mark. 2007. "Familiarity Breeds Trust: Collective Action in a Policy Domain." *Journal of Politics* 69 (1): 237-250
18. Efferson, Charles, Peter J. Richerson, Mark Lubell, Ed Edsten, Timothy M. Waring, Brian Paciotti, and William Baum. 2007. "Learning, Productivity, Noise: An Experimental Study of Cultural Transmission on the Bolivian Altiplano." *Evolution and Human Behavior* 28: 11-17.
17. Zahran, Sammy, Eunyi Kim, Xi Chen, and Mark Lubell. 2007. "Ecological Development and Global Climate Change: A Cross-national Study of Kyoto Protocol Ratification." *Society and Natural Resources* 20: 37-55
16. Lubell, Mark, Arnold Vedlitz, and Sammy Zahran. 2006. "Collective Action, Environmental Activism, and Air Quality Policy." *Political Research Quarterly* 59(1): 149-160.
15. McElreath, Richard, Mark Lubell, Peter J. Richerson, Timothy Waring, William Baum, Edward Edsten, Charles Efferson, and Brian Paciotti. 2005. "Applying Evolutionary Models to the Laboratory Study of Social Learning". *Evolution and Human Behavior* 26(6): 483-508.
14. Lubell, Mark, Richard Feiock, and Edgar Ramirez. 2005. "Political Institutions and Conservation by Local Governments." *Urban Affairs Review* 40 (6): 706-729.
13. Lubell, Mark. 2004. "Collaborative Watershed Management: A View from the Grassroots." *Policy Studies Journal* 32 (3): 321-341.
12. Lubell, Mark. 2004. "Collaborative Environmental Institutions: All Talk and No Action?" *Journal of Policy Analysis and Management* 23(3): 549-573.
11. Weible, Chris, Paul Sabatier, and Mark Lubell. 2004. "A Comparison of a Collaborative and Top-Down Approach to the Use of Science in Policy:



Establishing Marine Protected Areas in California." *Policy Studies Journal*, 32(2): 187-207.

10. Lubell, Mark. 2004. "Resolving Conflict and Building Cooperation in the National Estuary Program." *Environmental Management* 33 (5): 677-691
9. Lubell, Mark. 2003. "Collaborative Institutions, Belief Systems, and Perceived Policy Effectiveness" *Political Research Quarterly* 56(3): 309-323.
8. Schneider, Mark, John T. Scholz, Mark Lubell, Denisa Mindruta, and Matthew Edwardsen. 2003 "Building Consensual Institutions: Networks and the National Estuary Program. *American Journal of Political Science* 47: 143-158.
7. Lubell, Mark. 2002. "Environmental Activism as Collective Action." *Environment and Behavior* 34: 431-454.
6. Lubell, Mark, Mark Schneider, John T. Scholz, and Mihriye Mete. 2002. "Watershed Partnerships and the Emergence of Collective Action Institutions." *American Journal of Political Science* 46: 148-163.
5. Lubell, Mark and John T. Scholz. 2001. "Cooperation, Reciprocity, and the Collective-Action Heuristic." *American Journal of Political Science* 45: 160-178.
4. Lubell, Mark. 2000. "Cognitive Conflict and Consensus Building in the National Estuary Program." *American Behavioral Scientist* 44: 629-648
3. Lubell, Mark. 1999. "VOTE: An Example of Computer-Assisted Experimentation Using Visual Basic." *The Political Psychologist* 4: 21-23.
2. Scholz, John T. and Mark Lubell. 1998. "Adaptive Political Attitudes: Duty, Trust and Fear as Monitors of Tax Policy." *American Journal of Political Science* 42: 398-417.
1. Scholz, John T. and Mark Lubell. 1998. "Trust and Taxpaying: Testing the Heuristic Approach to Collective Action." *American Journal of Political Science* 42: 903-920.

## **Books**

Victor, Jennifer, Alex Montgomery, and Mark Lubell, Editors. 2017. *The Oxford Handbook of Political Networks*. New York, NY: Oxford University Press

Sabatier, Paul, Will Focht, Mark Lubell, Zev Trachterberg, Arnold Vedlitz, and Marty Matlock. 2005. *Swimming Upstream: Collaborative Approaches to Watershed Management*. Cambridge, MA: MIT Press

## **Book Chapters**

- Victor, Jennifer Nicoll, Alexander H. Montgomery, and Mark Lubell. 2017. "Introduction: The Emergence of the Study of Networks in Politics." In *the Oxford Handbook of Political Networks*, ed. Jennifer Nicoll Victor, Alexander H. Montgomery, and Mark Lubell. New York, NY: Oxford University Press
- Lubell, Mark and Carolina Balazs. 2016. "Adaptive Governance and Integrated Water Resources Management." In *Oxford Handbook of Water Politics and Policy*, ed. Ken Conca and Erika Weinthal. New York, NY: Oxford University Press
- Holahan, Robert and Mark Lubell. 2016. "Collective Action Theory." In *Handbook on Theories of Governance*, ed. Christopher Ansell and Jacob Torfing. Northampton, MA: Edward Elgar Press
- Lubell, Mark, Tanya Heikkila, and Andrea Gerlak. 2013. "CalFed and Collaborative Watershed Management: Success Despite Failure?" *Making Space for the River*, ed. Jeroen Frank Warner, Arwin Van Buuren, and Jurian Edelenbos. London: IWA Publishing
- Lubell, Mark and Brian Segee. 2012. "Conflict and Cooperation in Natural Resources Management." In *Environmental Policy: New Directions for the Twenty-First Century*, 8th ed. Norman Vig and Michael Kraft. Washington, D.C.: Congressional Quarterly Press.
- Gerlak, Andrea, Tanya Heikkila, and Mark Lubell. 2012. "The Promise and Performance of Collaborative Governance." *Oxford Handbook on Environmental Policy*, ed .Sheldon Kamieniecki and Michael E. Kraft. New York: Oxford University Press.
- Lubell, Mark and Brian Segee. 2009. "Conflict and Cooperation in Natural Resources Management." In *Environmental Policy: New Directions for the Twenty-First Century*, 7th ed. Norman Vig and Michael Kraft. Washington, D.C.: Congressional Quarterly Press.
- Lubell, Mark, Adam Henry, and Mike McCoy. 2009. "Institutional Collective Action in an Ecology of Games." In *Self-Organizing Federalism: Collaborative Mechanisms to Mitigate Institutional Collective Action*, Richard C. Feiock and John T. Scholz, eds. New York: Cambridge University Press.
- Lubell, Mark, Bill Leach, and Paul Sabatier. 2009. "Collaborative Watershed Partnerships in the Epoch of Sustainability." In *Toward Sustainable Communities: Transition and Transformations in Environmental Policy (2nd Edition)*, ed. Dan Mazmanian and Michael Kraft. Cambridge, MA: MIT Press.
- Lubell, Mark, Christoph Engel, Paul Glimcher, Reid Hastie, Jeffrey Rachclinski, Bettina Rockenbach, Reinhard Selten, Tania Singer, and Elke Weber. 2008. "Institutional Design Capitalizing on the Intuitive Nature of Decision Making." In, *Better than Conscious? Decision Making, the Human Mind, and Implications for Institutions*. Cambridge, MA: MIT Press.

Lubell, Mark. 2005. "Public Learning and Grassroots Cooperation." In, *Adaptive Governance and Water Conflict*, ed. John T. Scholz and Bruce Stittel. Washington, DC: Resources for the Future Press.

Lubell, Mark. 2005. "Do Watershed Partnerships Enhance Beliefs Conducive to Collective Action?" In Paul Sabatier et. al, ed. *Swimming Upstream: Collaborative Approaches to Watershed Management* . Cambridge, MA: MIT Press

Lubell, Mark, Paul. A. Sabatier, Arnold Vedlitz, Will Focht, Zev Trachtenberg, and Marty Matlock. 2005. In Paul Sabatier et. al, ed. *Swimming Upstream: Collaborative Approaches to Watershed Management* . Cambridge, MA: MIT Press

Sabatier, Paul A. William D. Leach, Mark Lubell, and Neil Pelkey. 2005. "Theoretical Frameworks Explaining Partnership Success." In Paul Sabatier et. al, ed. *Swimming Upstream: Collaborative Approaches to Watershed Management* . Cambridge, MA: MIT Press

Sabatier, Paul A., Will Focht, Mark Lubell, Zev Trachtenberg, Arnold Vedlitz, and Marty Matlock. 2005. "Collaborative Approaches to Watershed Management." In Paul Sabatier et. al, ed. *Swimming Upstream: Collaborative Approaches to Watershed Management* . Cambridge, MA: MIT Press

## **Grants**

### As Faculty

California Department of Food and Agriculture, Fertilizer Research and Education Program. "Understanding Influences on Grower Decision-Making and Adoption of Improved Nitrogen Management Practices." Awarded 10/17

NSF Grant #1541056 (\$575,000) "CRISP Type 2: Collaborative: Multi-scale Infrastructure Interactions with Intermittent Disruptions: Coastal Flood Protection, Transportation and Governance Networks.", PI: Mark Stacey, Co-PI: Mark Lubell. Awarded 10/15.

UC Agricultural and Natural Resources (\$297,000). "Mapping Sustainable Agriculture Networks in California." PI: Mark Lubell. Awarded 10/14.

USDA-NIFA Specialty Crops Research Initiative (\$1,144,711). "New detection, research, and extension tools for managing wood-canker diseases of fruit and nut crops." Standard Research and Extension Project (2012-2014). PI: Kendra Baumgartner; Co-PI Mark Lubell

University of California Transportation Center (\$75,000). "Social Networks and Travel Behavior." PI: Mark Lubell, with graduate student Susie Pike. Awarded 7/2012.

NSF Grant #1069333(\$3,200,000) "IGERT: Climate Change, Water and Society."  
PI:Graham Fogg, Co-PI: Mark Lubell, Reed Maxwell, Shu-Hua Chen, Jay Lund.  
Awarded 9/2011.

NSF Grant #0909302 (\$1,499,949) "Removal and Restoration: Social, Economic and Ecological Dynamics of Invasive Spartina in San Francisco Bay." PI: Alan Hastings, Co-PI: Mark Lubell, Jim Sanchirico, Ted Grosholz. Awarded 9/2010

USDA Western Sustainable Agriculture Research and Education Program (\$197,268).  
"Prescribed Grazing to Sustain Livestock Production, Soil Quality, and Diversity in Rangeland Ecosystems." K. Tate, L. Roche, J. Derner, M. Lubell, V. Eviner, A. O'Geen, and M.George. Awarded 3/2010.

NSF Grant #0921904 (\$217,098) "Governing Complex Commons: Policy Networks in an Ecology of Games." PI Mark Lubell, John Scholz, Ramiro Berardo. Awarded 1/2010.

USDA Grant (\$483,488) "Prescribed Grazing to Restore Rangeland Soil Quality, Plant Diversity, Water Quality, and Agricultural Productivity." PIs: Ken Tate, Mark Lubell. Awarded 9/2009.

NSF Grant #0922567 (\$370,000) "Social Networks and Decision-Making for Sustainable Agriculture: Cooperation or Innovation?" PIs: Mark Lubell, Tom Tomich, Josh Viers. Awarded 6/2009.

UC Center for Water Resources (\$60,000). "Integrated Regional Water Management Planning in California: Developing Institutions for Collective Action." PIs: Mark Lubell. Awarded 5/2007.

ANR Core Issues Grant (\$35,000) "Attitudes and Actions: Evaluating Producer Responses to Watershed Management Systems on California's Central Coast." PIs: Mark Lubell, Mary Bianchi. Awarded 3/2006.

California Policy Research Center (\$34,900). "Farmer Cooperation in California Watershed Groups." PI: Mark Lubell. Awarded 7/2005

NSF Grant # 0455009 (\$90,000). "Laboratory Models of Cultural Evolution: Fitting Theoretical Models to Experimental Data" PIs: Peter Richerson, Mark Lubell, Richard McElreath. Awarded 7/1/2005-6/30/2007.

NSF Grant # BCS-0340148 (\$79,990). "EITM: Cultural Evolution and Human Behavior: Linking Theory and Empirical Research." PIs: Peter Richerson, Mark Lubell, Richard McElreath. Awarded 5/2004.

NSF Grant # SES-0350817 (\$104,042). "Collaborative Research on Institutions and Land-Use Politics." Principal Investigators: Mark Lubell and Richard Feiock. 5/1/04-4/30/07.

Russell Sage Foundation (\$120,000). "Trust and Watershed Management." Principal Investigator: Mark Lubell. Awarded 11/2001.

Florida State University, Council on Research and Creativity. First Year Assistant Professor Award. Awarded 7/2000.

#### As Graduate Student\*

EPA/NSF STAR Grant (\$100,000). "Negotiating for Sustainable Development: An Evaluation of the CBEP Decision Process." Principal Investigator: John T. Scholz. Awarded 7/98.

NSF Grant #SBR9729505 (\$215,000). "The Politics of Cooperation: Community-Based Environmental Protection." Principal Investigator: John T. Scholz. Awarded 1/98.\*

NSF Grant #SBR9515344 (\$65,000). "Democracy and Collective Action: Strategies, Heuristics, and Cooperation." Principal Investigator: John T. Scholz. Awarded 1/96.\*

\*Note: Although graduate students are not allowed to be principal investigators, I was a co-author on the original applications and a major participant in the research.

#### **Outreach Publications**

L.E. Jackson, V.R. Haden, A.D. Hollander, H. Lee, M. Lubell, V.K. Mehta, T. O'Geen, M.T. Niles, J. Perlman, D. Purkey, W. Salas, D. Sumner, M. Tomuta, M. Dempsey, S.M. Wheeler (2012) Agricultural Mitigation and Adaptation to Climate Change in Yolo County, CA. California Energy Commission Publication No. 500-2012-009. Peer-reviewed government report accepted in February 2012.

Hoffman, Matthew, Vicken Hillis, and Mark Lubell. 2011. "2011 Lodi Winegrape Grower Survey: Report of Results." *Lodi Winegrape Commission IPM Research Newsletter*, Spring 2012.

Hoffman, Matthew, Mark Lubell, and Vicken Hillis. 2011. "Defining sustainable viticulture from the practitioner perspective." *Practical Winery and Vineyard Journal*, Spring.

Lubell, Mark, Matt Hoffman, and Vicken Hillis. 2010. *Effectiveness of Sustainability Programs in California Viticulture*. UC Davis Center for Environmental Policy and Behavior.  
[http://environmentalpolicy.ucdavis.edu/files/cepb/Sustainable%20Viticulture%20Programs%20Brief%20Final%20\(2\).pdf](http://environmentalpolicy.ucdavis.edu/files/cepb/Sustainable%20Viticulture%20Programs%20Brief%20Final%20(2).pdf)

Lubell, Mark, Matt Hoffman, and Vicken Hillis. 2010. *The Perceived Benefits and Costs of Sustainability Practices in California Viticulture*. UC Davis Center for Environmental Policy and Behavior.

[http://environmentalpolicy.ucdavis.edu/files/cepb/Sustainable%20Viticulture%20Practices%20Final\\_0.pdf](http://environmentalpolicy.ucdavis.edu/files/cepb/Sustainable%20Viticulture%20Practices%20Final_0.pdf)

Lubell, Mark, Bret Beheim, Vicken Hillis, and Susan Handy. 2009. *Achieving Sustainability in California's Central Valley*. UC Davis Sustainable Transportation Center Report.

Lubell, Mark and Allan Fulton. 2006. *Agricultural Water Quality Management in the Sacramento River Valley: A Survey of Producers' Opinions*. UC Davis Center for Environmental Policy and Behavior

### **Conference Papers and Invited Presentations (Last Five Years)**

Lubell, Mark, and Matthew Robbins. 2017. "Climate Adaptation, Sea-level Rise, and Complex Governance in the San Francisco Bay Area." Stanford, Bill Lane Center for the American West

Lubell, Mark, Mark Schwartz and Casey Peters. 2016. "Linking Climate Risk, Policy Networks and Adaptation Planning in Public Lands". ESADE Barcelona Conference on Goal Directed Networks

Hamilton, Matt and Mark Lubell. 2016. "Multi-Scale Governance Networks for Climate Change Adaptation in Lake Victoria." 2nd Annual Conference on Environmental Governance and Politics, Gerensee, Switzerland.

Lubell, Mark. 2015. "Roundtable: What do we know about Political Networks? What can we know?" 2015 Annual Meeting of the American Political Science Association

Lubell, Mark, John Scholz, Ramiro Berardo, and Jack Mewhirter. 2015. "The Origins of Conflict in Complex Water Governance Institutions." 1st Annual Conference on Environmental Governance and Politics, Seattle, WA.

Hileman, Jacob and Mark Lubell. 2015. "From local to global: analyzing multi-level water resources governance networks in Central America." 8th Annual Political Networks Conference. Portland Oregon.

Hamilton, Matthew, Emilinah Namaganda, and Mark Lubell, "Policy networks and climate change adaptation in the Lake Victoria Basin: a multi-scale perspective." 8th Annual Political Networks Conference. Portland Oregon.

Levy, Mike and Mark Lubell, "Innovation, Cooperation, and the Structure of Agricultural Information Networks." 8th Annual Political Networks Conference. Portland Oregon.

Robbins, Matthew and Mark Lubell, "The evolution of social networks in collaborative natural resource governance." 8th Annual Political Networks Conference. Portland Oregon.

Niles, Meredith and Lubell, Mark. 2014. "How Policy Perceptions Affect Farmer Attitudes and Behaviors in New Zealand and California." 2014 Annual Meeting of the Midwest Political Science Association, Chicago.

Lubell, Mark and Vicken Hillis. 2014. "Collaborative partnerships catalyze the adoption of sustainable practices in California viticulture." 2014 Annual Meeting of the Midwest Political Science Association, Chicago.

Lubell, Mark, and Alan Hastings. 2014. "Centralized Networks and Institutional Fit for Invasive Species Management." 7th Annual Political Networks Conference. Montreal, Canada.

McAllister, Ryan, Rod McCrea, and Mark Lubell. 2013. "Science, policy networks and regional climate planning in an ecology of games." 2013 Annual Meeting of the Midwest Political Science Association, Chicago.

Lubell, Mark. 2012. "Collective Action and Environmental Behavior." 2012 Behavior, Energy, and Climate Change Conference, Sacramento, CA.

Jasny, Lorien, Jacob Hileman, Mark Lubell. 2012. "Two-Mode Brokerage and Exponential Random Graph Models: Water Policy Negotiations in the San Joaquin-San Francisco Bay Delta." 5<sup>th</sup> Annual Political Networks Conference, Boulder, CO.

Hileman, Jacob, Lorien Jasny, and Mark Lubell. 2012. "Water Governance Networks in Central America: Simulating from Exponential Random Graph Models to Determine Small World Properties." 5<sup>th</sup> Annual Political Networks Conference, Boulder, CO.

Lubell, Mark. 2012. "The Ecology of Games Framework: Basic Concepts and Intellectual Origins". 2012 Annual Meeting of the Midwest Political Science Association, Chicago.

Hillis, Vicken, Mark Lubell, and Matthew Hoffman. 2012. "The Perceived Effectiveness of Local Agricultural Sustainability Partnerships." 2012 Annual Meeting of the Midwest Political Science Association, Chicago.

## **Policy Engagement and Professional Service**

### Policy Engagement

6/14-Current. Member, California Roundtable for Agriculture and Environment

11/08-1/12 City of Davis, Natural Resources Citizen Commission

4/09. Organizer, UC Davis Water Data Roundtable

10/08. Advisor, Little Hoover Commission Study on State Water Resources Control Board

### National Professional Service

Current---Member of Executive Committee of Political Networks section of American Political Science Association  
 Current—Member Executive Committee of the Science, Technology, and Environmental Policy section of the American Political Science Association  
 8/12/-8/13. Political Networks section of the American Political Science Association. Section Head for 2013 Annual Conferences of the American Political Science Association, Washington DC.  
 8/12-6/13. Chair, 4<sup>th</sup> Annual Political Networks Conference, Bloomington, Indiana  
 4/11 Reviewer for Udall Foundation National Dissertation Fellowship  
 6/10 Nominating Committee for Executive Council, Political Networks Section of American Political Science Association  
 1/08-10/08. Chemonics, Inc., Network Analysis of Uganda APEP Project.  
 9/08-3/09 Section Chair, Environmental Policy and Politics, Midwest Political Science Association Annual Meeting  
 10/04-9/05. Science, Technology and Environmental Policy section of the American Political Science Association. Section Head for 2005 Annual Conferences of the American Political Science Association, Washington DC.  
 7/03-9/06 Editor-in-Chief, *STEP Ahead*, newsletter for Science, Technology, and Environmental Policy section of the American Political Science Association  
 5/07-10/07. Dissertation Award Committee

#### UC Davis Professional Service

6/16- Current; Vice Chair, Department of Environmental Science and Policy  
 6/12-Current, Member, Advisory Board for UC Davis Policy Institute for Energy, Environment, and Economy.  
 1/11-Current, Member, Hydrological Sciences Graduate Group Executive Committee  
 6/11-7/14. Member, CAES Executive Committee  
 6/10-Current. Graduate Advisor, Graduate Group in Ecology, Environmental Policy and Human Ecology AOE  
 6/10-7/14. Member, UC Davis Institute for Government Affairs Advisory Committee  
 4/05-Current. Advisory Board for Common Ground: Center for Cooperative Solutions, UC Davis Extension  
 6/10-7/12 Undergraduate Advisor, Environmental Science and Management Major, Watershed Track  
 4/09-1/10, Member, Search Committee for Hagan Chair in Water Management, UC Davis.  
 9/08-9/09. Member, Executive Committee for the Graduate Group in Ecology  
 9/05-9/09. Chair and Member, Funding Committee for the Graduate Group in Ecology  
 9/07-9/08. Search Committee for Conservation Valuation Analyst, UC Davis  
 7/06-9/06. Search Committee for Energy Policy Position, UC Davis.  
 9/05-9/06. CAES Course Approval Committee  
 3/05: Panel Member and Organizer, "Fear and Fishing in Lake Davis: Workshop on Collaborative Management", 2/05: Panel Member and Organizer, "Roundtable on the Death of Environmentalism"  
 7/04-7/07 Member, Curriculum Committee for Sustainable Agriculture Undergraduate Major.  
 1/03-7/05 EPAP Graduate Committee



## Florida State University Professional Service

8/01-8/03 Department of Political Science Executive Committee

11/99-8/03. Department of Political Science Undergraduate Curriculum Committee

### Reviewer

American Political Science Review  
American Journal of Political Science  
Journal of Politics  
Journal of Policy Analysis and  
Management  
National Science Foundation  
Land Use Policy  
Congressional Quarterly Press  
United States Department of Agriculture  
Journal of the American Water  
Resources Association  
Environmental Management  
Biological Conservation

Journal of Environmental Management  
Urban Affairs Review  
Policy Studies Journal  
Society and Natural Resources  
Conservation Biology  
Proceedings of the National Academy of  
Science  
Journal of Policy Analysis Research and  
Theory  
Ecological Economics  
MIT Press  
Rationality and Society  
Science

### Editorial Boards

7/15-Current. Associate Editor, *Society and Natural Resources*

7/15-Current. Associate Editor, *Public Administration Review*

9/13-Current. Associate Editor for Economics and Public Policy, *California Agriculture*

8/13-Current. Associate Policy Editor for Energy and Environment, *Behavioral Science  
and Policy*

8/12-Current. Associate Editor for Political Science, *Network Science*

3/11-Current. Associate Editor, *International Journal of Water Governance*

11/10-Current. Associate Editor, *Conservation Letters*

1/08-Current. Associate Editor, *Policy Studies Journal*

1/08- Current. Associate Editor, *San Francisco Estuary and Watershed Science*

### **Teaching**

#### Post-Doctoral Mentor

Marco Bastos (2014-2016); Social Media and Agricultural Knowledge Networks

Vicken Hillis (2013-2016); Networks and Agricultural Decision-making

Carolina Balazs (2012-2015); Environmental Justice and Water Management

Bethany Cutts (2010-2012); Agricultural Decision-making and Rangeland Management

Lorien Jasny (2011-2013); Network Science and Environmental Policy

#### Graduate Student Mentor

Chris Weible (2003-2005), Marine Reserves and Collaborative Policy, CU Denver

Adam Henry (2005-2009), Collaborative Land-Use and Transportation Planning,  
University of Arizona

Patricia Pinho (2003-2008), Fisheries conservation in Brazil

Jeremy Brooks (2003-2008), Conservation and development in Bhutan, Ohio State University  
Tim Waring, (2004-2010), Conservation behavior in India, University of Maine  
Adrian Bell, (2004-2011), Cultural Evolution in Tonga, University of Utah  
Kelly Garbach (2006-2012), Sustainable Agriculture in Costa Rica, Loyola University  
Lucas Lippert (2006-2008), Integrated Regional Water Management, Contra Costa Water District  
Lauren Shaw (2007-2009), Sustainable Viticulture in California  
Meredith Niles (2009-2015); Climate Change and Agriculture, University of Vermont  
Matthew Hoffman (2009-2015); Sustainable Agriculture, Driscolls  
Matthew Hamilton (2009-2016); International Agricultural Development, Ohio State University  
Jacob Hileman (2009-2016); Integrated Regional Water Management, Stockholm Environmental Institute  
Matthew Robbins (2009-2016); Networks, Conservation and Development  
Susan Pike (2009-2015); Social Networks and Transportation Behavior, UC Davis  
Chantelise Pells (2009-2014); Groundwater Management in Mexico  
Vicken Hillis (2005-2013); Social Learning and Cultural Evolution, University of Idaho  
Michael Levy(2012-2017); Networks and Environmental Decision-Making  
Cory Belden (2012-2018); Climate Change and Comparative Political Institutions  
Amanda Fencl (2013-Current); Climate Change Adaptation and Water Districts  
Linda Esteli-Mendez (2015-Current); Groundwater Governance  
Meghan Klasic (2015-Current); Climate Change and Water Quality Management  
Jessica Rudnick (2015-Current); Climate Change and Agriculture  
Kristin Dobbins (2017-Current); Environmental Justice and Groundwater Management

#### Undergraduate Student Mentor

Directed Independent Study, 2016: Jessica Jones, *Game Theory and External Threats to Public Lands*

UC Davis Political Science Honors Program, 2009: Kirsten Stasio, *Dueling Interests in American Climate Change Policy*

Directed Independent Study, 2005: Kimberly Stackhouse, *Collaborative Range Management*, UC Davis

FSU Honors Program, 2001-2002, Chair: Jason Rodriguez, *Policy Subsystems in the Everglades*

Directed Independent Study, 2002: Bradley Ellis, *Watershed Management*, FSU

Directed Independent Study, 2001: Kayne Karnbach, *Race and Environmental Attitudes*, FSU

Directed Independent Study, 2000: Reid Schermer, *Watershed Partnerships in Florida*, FSU

#### Graduate Classes

Climate, Water, and Society

Social-Ecological Systems

Ecosystem Management

Theories of the Policy Process

Institutions and the Environment

Social Networks and Animal Behavior

## Introduction to Public Policy

### Undergraduate Classes

Understanding Environmental Activism  
Water Policy and Politics  
Public Land Management  
Environmental Politics and Policy  
Institutions and Society  
Interest Groups in American Democracy  
Introduction to Public Policy  
Understanding Political Science Research and Methods  
Theories of the Policy Process

### **Consulting**

2017. Department of the Interior; Survey on Public Participation  
2016. Ag Innovations; Santa Barbara County Grower Survey for Water Management  
2015. Nature Conservancy; Sacramento Valley Wetlands Manager Survey  
2015. California Air Resources Board; Statewide Off-Highway Vehicle Survey  
2013. FHI 360 and Global Fish Alliance; Social Network Evaluation of the Honduras Spiny Lobster Initiative.  
2013. Kearns and West; Evaluation of Marine Spatial Planning for Moore Foundation  
2010-2011. Academy for Educational Development by the Center for Environmental Policy and Behavior; Strengthening Links report on Social Network Analysis and International Environmental Development  
2009-2010. Harty Conflict Consulting and Mediation; Survey of South Coast Marine Protected Area Regional Stakeholder Group  
2009. Chemonics, Network Analysis and International Agricultural Development  
2002. US Environmental Protection Agency, Watershed Academy.  
2000. Kaiser Health, Analysis of Physician Survey Data.

### **Research Interests**

Environmental politics and policy  
Politics of watershed management  
The economics and psychology of collective action  
Institutional change in public policy and administration  
Democratic accountability and citizen participation in public policy

### **Teaching Interests**

Social-ecological systems  
Environmental politics and policy  
Public policy  
Neoinstitutional political economy  
Bureaucracy/regulation  
Applied methodology  
Network analysis

## References

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