

JOSHUA HOWARD GOLDSTEIN

117 E. Mountain Ave, Suite 201, Fort Collins, CO 80524
Office of the Chief Scientist, The Nature Conservancy
jgoldstein@tnc.org

EMPLOYMENT:

The Nature Conservancy (Fort Collins, CO) 2013 – Present
Director, Bridge Collaborative
Economist and Ecosystem Services Scientist, Office of the Chief Scientist

Colorado State University (Fort Collins, CO) 2008 – 2013
Assistant Professor, Dept. of Human Dimensions of Natural Resources
Founding Academic Director, Conservation Leadership Master's Program 2009 – 2012
Fellow, Center for Collaborative Conservation

EDUCATION:

Stanford University – Natural Capital Project (Stanford, CA) 2007 – 2008
Postdoctoral Fellow, Woods Institute for the Environment – Advisor: Dr. Gretchen Daily

Stanford University (Stanford, CA) 2007
Ph.D., Emmett Interdisciplinary Program in Environment and Resources

- Dissertation: Paying for Conservation in Human-Dominated Landscapes
- Advisors: Dr. Gretchen Daily (primary), Dr. Pamela Matson, Dr. Rosamond Naylor, Dr. Peter Vitousek

Williams College (Williamstown, MA) 2000
B.A., Biology with Highest Honors, magna cum laude, Phi Beta Kappa, Sigma Xi

REFEREED JOURNAL ARTICLES:

Goldstein JH, Tallis H, Cole A, Schill S, Martin E, Heiner M, Paiz MC, Aldous A, Apse C, Nickel B. (2017) Spatial planning for a green economy: National-level hydrologic ecosystem services priority areas for Gabon. *PLoS ONE* 12(6): e0179008. <https://doi.org/10.1371/journal.pone.0179008>

Vogl AL, **Goldstein JH**, Daily GC, Vira B, Bremer L, McDonald RI, Shemie D, Tellman B, Cassin J. (2017) Mainstreaming investments in watershed services to enhance water security: Barriers and opportunities. *Environmental Science & Policy* 75: 19-27.

Horton K, Knight H, Galvin KA, **Goldstein JH**, Herrington J. (2017) An evaluation of landowners' conservation easements on their livelihoods and well-being. *Biological Conservation* 209: 62-67.

Harrison-Atlas D, Theobald DM, **Goldstein JH**. (2016) A systematic review of approaches to quantify hydrologic ecosystem services to inform decision-making. *International Journal of Biodiversity Science, Ecosystem Services & Management*. DOI: 10.1080/21513732.2016.1181105

Bremer, L., Auerbach, D.A., **Goldstein, J.H.**, Vogl, A.L., Shemie, D., Kroeger, T., Nelson, J.L., Benítez, S.P., Calvache, A., Guimarães, J., Herron, C., Higgins, J., Klemz, C., León, J., Lozano, J.S., Moreno, P.H., Nuñez, F., Veiga, F., and Tiepolo, G. (2016) One size does not fit all: Natural infrastructure investments within the Latin American Water Funds Partnership. *Ecosystem Services* 17: 217-236.

Huber-Stearns, H., **Goldstein, J.H.**, Cheng, A.S., and Toombs, T.P. (2015) Institutional analysis of payments for watershed services in the western United States. *Ecosystem Services* 16: 83-93.

Tallis, H.T., Kennedy, C.M., Ruckelshaus, M., **Goldstein, J.H.**, and Kiesecker, J.M. (2015) Mitigation

- for one & all: An integrated framework for mitigation and development impacts on biodiversity and ecosystem services. *Environmental Impact Assessment Review* 55: 21-34.
- Goldstein JH**, Thogmartin WE, Bagstad KJ, Dubovsky JA, Mattsson BJ, Semmens DJ, Lopez-Hoffman L, Diffendorfer JE. (2014) Replacement cost valuation of northern pintail (*Anas acuta*) subsistence harvest in Arctic and sub-Arctic North America. *Human Dimensions of Wildlife* 19(4): 347-354.
- Duke, E.A., **Goldstein, J.H.**, Teel, T.L., Finchum, R., Huber-Stearns, H., Pitty, J., Rodrigues, G.B., Rodriguez, S., Sanchez, L.O. (2014) Payments for ecosystem services and landowner interest: Informing program design trade-offs in Western Panama. *Ecosystem Services* 103: 44-55.
- López-Hoffman, L., Wiederholt, R., Sansone, C., Bagstad, K., Cryan, P., Diffendorfer, J.E., **Goldstein, J.**, LaSharr, K., Loomis, J., McCracken, G., Medellin, R., Russell, A., and Semmens, D. (2014) Market forces and technological substitutes cause fluctuations in the value of bat pest-control services for cotton. *PLOS ONE*, DOI: 10.1371/journal.pone.0087912
- Diffendorfer, J.E., Loomis, J.G., Ries, L., Oberhauser, K., López-Hoffman, L., Semmens, D., Semmens, B., Butterfield, B., Bagstad, K., **Goldstein, J.**, Wiederholt, R., Mattson, B., and Thogmartin, W.E. (2013) National valuation of monarch butterflies indicates an untapped potential for incentive-based conservation. *Conservation Letters* 7(3): 253-262.
- Huber-Stearns, H., **Goldstein, J.H.**, and Duke, E.A. (2013) Intermediary roles and payments for ecosystem services: A typology and program feasibility application in Panama. *Ecosystem Services* 6: 104-116.
- Gutwein, M. and **Goldstein, J.H.** (2013) Integrating conservation and financial objectives on private rangelands in northern Colorado: Rancher and practitioner perspectives. *Rangeland Ecology & Management*.
- Goldstein, J.H.**, Caldarone, G., Duarte, T.K., Ennaanay, D., Hannahs, N., Mendoza, G., Polasky, S., Wolny, S., and Daily, G.C. (2012) Integrating ecosystem services into land-use planning. *Proceedings of the National Academy of Sciences* 109(19): 7565-7570.
- Chan, K.M.A., Satterfield, T., and **Goldstein, J.H.** (2012) Rethinking ecosystem services to better address and navigate cultural values. *Ecological Economics* 74: 8-18.
- Goldstein, J.H.**, Presnall, C.K., Lopez-Hoffman, L., Nabhan, G.P., Knight, R.L., Ruyle, G.B., and Toombs, T.P. (2011) Beef and beyond: Paying for ecosystem services on Western US rangelands. *Rangelands* 33(5): 4-12.
- Toombs, T.P., **Goldstein, J.H.**, Maness, N., Fankhauser, T.R., and Hanson, C. (2011) Rangeland ecosystem services, risk management, and the ranch bottom line. *Rangelands* 33(5): 13-19.
- Daily, G.C., Polasky, S., **Goldstein, J.H.**, Kareiva, P.M., Mooney, H.A., Pejchar, L., Ricketts, T.H., Salzman, J., and Shallenberger, R. (2009) Ecosystem services in decision-making: time to deliver. *Frontiers in Ecology and the Environment* 7(1): 21-28.
- Nelson, E., Mendoza, G., Regetz, J., Polasky, S., Tallis, H., Cameron, D.R., Chan, K.M.A., Daily, G., **Goldstein, J.**, Kareiva, P., Lonsdorf, E., Naidoo, R., Ricketts, T.H., and Shaw, M.R. (2009) Modeling multiple ecosystem services, biodiversity conservation, commodity production, and tradeoffs at landscape scales. *Frontiers in Ecology and Environment* 1(7): 4-11.
- Goldstein, J.H.**, Pejchar, L., and Daily, G.C. (2008) Using return-on-investment to guide restoration: a case study from Hawaii. *Conservation Letters* 1(5): 236-243.
- Fischer, J., Brosi, B., Daily, G.C., Ehrlich, P.R., Goldman, R., **Goldstein, J.H.**, Manning, A.D., Mooney, H.A., Pejchar, L., Ranganathan, J., and Tallis, H. (2008) Should agricultural policies encourage land-sparing or wildlife-friendly farming? *Frontiers in Ecology and Environment* 6(7): 380-385.
- Goldstein, J.H.**, Daily, G.C., Friday, J.B., Matson, P.A., Naylor, R.L., and Vitousek, P. (2006) Business strategies for conservation on private lands: koa forestry as a case study. *Proceedings of the National Academy of Sciences* 103(26): 10140-10145.

PEER-REVIEWED BOOK CHAPTERS:

- Nabhan, G.P., López-Hoffman, L., Presnall, C.K., Knight, R., **Goldstein, J.**, Gosnell, H., Gwen, L., Thilmany, D., and Charnley, S. (2013) Payments for ecosystem services: keeping working landscapes productive and functioning. In: Charnley, S., Sheridan, T., and Nabhan, G.P. (eds.); Miller, M., Morehouse, B., and Overpeck, J. (series eds.). *Stitching the West Back Together: Conserving Working Landscapes and Biodiversity in the American West*. University of Arizona Press, Tucson.
- Peters, D.P.C., Archer, S.R., Bestelmeyer, B.T., Brooks, M.L., Brown, J., Comrie, A., Gimblett, H.R., **Goldstein, J.H.**, Havstad, K.M., López-Hoffman, L., Monger, H.C., Okin, G.S., Rango, A., Sala, O.E., Tweedie, C.E., and Vivoni, E.R. (In press) Vulnerability of ecosystem services to cumulative threats that result in desertification. In: Seastedt, T., and Suding, K. (eds.); Pielke, R., (Sr. Editor-in-Chief). *Ecosystem Functions and Services. Volume 5: Climate Vulnerability: Understanding and Addressing Threats to Essential Resources*. Elsevier Press.
- Goldstein, J.H.** (2011) "Ecosystem services" *Encyclopedia of Climate and Weather, 2nd edition*. Oxford University Press.
- Chan, K.M.A., **Goldstein, J.H.**, Satterfield, T., Hannahs, N., Kikiloi, K., Naidoo, R., and Woodside, U. (2011) Cultural services and existence value. Chapter 12 in: Kareiva, P., Tallis, H., Ricketts, T., Daily, G., and Polasky, S (eds.). *Natural Capital: Theory and Practice of Mapping Ecosystem Services*. Oxford University Press.
- Polasky, S., Caldarone, G., Duarte, T.K., **Goldstein, J.H.**, Hannahs, N., Ricketts, T., and Tallis, H. (2011) Putting InVEST to work: conservation, management, and tradeoffs. Chapter 14 in: Kareiva, P., Tallis, H., Ricketts, T., Daily, G., and Polasky, S (eds.). *Natural Capital: Theory and Practice of Mapping Ecosystem Services*. Oxford University Press.
- Tallis, H., **Goldstein, J.H.**, and Daily, G.C. (2009) Box: The Natural Capital Project. In: Sodhi, N.S and Ehrlich, P. (eds.). *Conservation Biology for All*. Oxford University Press, Oxford, UK.
- Pejchar, L., **Goldstein, J.H.**, and Daily, G.C. (2007) Making restoration profitable on private land: Koa forestry on Hawaii Island. Chapter 25 in: Aronson, J., Milton, S., and Blignaut, J. (eds.) *Restoring Natural Capital: Science, Business, and Practice*. Island Press, Washington, D.C.

TECHNICAL REPORTS:

- Goldstein, J.H.**, Arkema, K., Birch, A., Wyatt, K., Freeman, K., and Boudreau, D. (2015) Informing planning for multiple ecosystem-service benefits in the Perdido Bay and Pensacola Bay watersheds: Technical report on the pilot application of the Resource Investment Optimization System (RIOS). Prepared for stakeholders in the Perdido Bay and Pensacola Bay watershed planning processes. Available [here](#).
- Mandle, L., Griffin, R., and **Goldstein, J.H.** (2014) Natural capital & roads: Managing dependencies and impacts on ecosystem services for sustainable road investments. Technical report for the Inter-American Development Bank prepared by the Natural Capital Project and The Nature Conservancy. Available [here](#).
- Goodtimes, A., Luther-Broderick, L., Lyon, P., **Goldstein, J.H.**, and Brause, S. (2013) A payment for ecosystem services pilot project surveying for rare plants on private lands in San Miguel County, Colorado. Report submitted to San Miguel County Open Space Commission, Colorado.
- Conte, M.C., Giardina, C., Hannahs, N., Friday, J.B., and Greenwell, J.S. (2009) The Emission-Reduction Potential of Native Forest Restoration in Hawai'i. [Daily, G.C., **Goldstein, J.H.**, and Kaulukukui, J. (eds.)]. Report to the Greenhouse Gas Emissions Reduction Task Force. Submitted 14 August 2009. Honolulu, HI. 46 p.

DIGITAL WRITING:

- Goldstein, J.H. (2016) “The power of a healthy watershed for energy security in Gabon” The Nature Conservancy’s Cool Green Science blog. Available [here](#).
- Goldstein, J.H. (2015) “Mandrill on the menu: What is the value of a wild animal?” The Nature Conservancy’s Cool Green Science blog. Available [here](#).
- Goldstein, J.H. (2015) “The transformation of Gabon: Can nature make economic development work better for people?” The Nature Conservancy’s Cool Green Science blog. Available [here](#).

ADDITIONAL PUBLICATIONS:

- Goldstein, J.H.** and Dunfee, M.C. (2010) “Ecosystem services and North American conservation: setting the context” *Transactions of the 75th North American Wildlife and Natural Resources Conference*. Wildlife Management Institute.
- Pejchar, L. and **Goldstein, J.H.** (2009) How to get the most biodiversity for your buck: smart investments in reforestation. *Hawaii Forest Journal* 4: 5-7.
- Goldstein, J. H.** (2007) Making conservation pay: aligning conservation and economic rewards through koa reforestation. *Hawaii Forest Journal* 2(1): 3-5.
- Tayan, B., **Goldstein, J. H.**, and Plambeck, E. (2007) The Nature Conservancy: conservation approach to timberland investing. Case OIT-75A, Stanford Graduate School of Business.
- Goldstein, J. H.** “Betting on markets: Australia’s five-million dollar experiment with market-based instruments.” *The Katoomba Group’s Ecosystem Marketplace* 9 June 2005
<http://ecosystemmarketplace.com/pages/article.news.php?component_id=2450&component_version_id=4017&language_id=12>.

POLICY AND COLLABORATIVE EXPERIENCES (PRIOR TO JOINING TNC):

- Co-Lead, Colorado Conservation Exchange**, Fort Collins, CO 2010 – 2013
Advancing the design and implementation of a regional payment for watershed services program to increase investment in conservation efforts to meet the needs of urban, agricultural, and environmental resource users. Support from Wyss Foundation, Center for Collaborative Conservation, New Belgium Brewery, and private donors.
- Advisor, Payments for Ecosystem Services Working Group**, San Miguel County, CO 2010 – 2013
Providing technical guidance on the design, implementation, and evaluation of a new county-level payment for ecosystem services program that is expanding incentives for private landowners to steward rare plants, wetlands, and other threatened natural resources in the region.
- Biodiversity Markets Assessment Working Group, USDA Office of Env. Markets** 2010 – 2011
Served on the technical advisory group looking at how science is being used to support the design of biodiversity credit metrics and other aspects of biodiversity markets. This project was designed to provide the USDA Office of Environmental Markets with direct guidance on how to create technical guidelines for the development of ecosystem services markets, as mandated by the 2008 Farm Bill.
- Developing a Forest-based Carbon Offset Program**, State of Hawaii 2007 – 2009
This collaborative work involved colleagues from Stanford University, The Nature Conservancy, Hawaiian Electric Company, United States Forest Service, private landowners, Hawaiian Electric Company, and other stakeholders. We provided scientific input to the State’s Greenhouse Gas Emissions Reduction Task Force about the potential viability of a statewide forest carbon offset program.

House Concurrent Resolution 200 Steering Committee, State of Hawaii 2006 – 2008
 This collaborative project involved colleagues from the public, private, and non-profit sectors who prepared a report for the State Legislature exploring new incentives for conservation on working lands. I contributed to this report as a lead author.

GRANTS AND AWARDS (PRIOR TO JOINING TNC):

Funded projects as Lead PI:

Resident Fellow, School of Global Envir. Sustainability, Colorado State Univ. (\$6,000)	2013
Research Mini-Grant, Warner College of Natural Resources, Colorado State Univ. (\$9,865)	2011
Center for Collaborative Conservation, Faculty Fellow, Colorado State Univ. (\$8,000)	2009
Research Mini-Grant, Warner College of Natural Resources, Colorado State Univ. (\$8,952)	2009

Funded projects as Co-PI:

Agricultural Experiment Station, Colorado State University (\$122,151)	2011 – 2014
Strategic Highway Research Program, Transportation Research Board (\$304,986)	2011 – 2012
Wyss Fellows Program, Wyss Foundation (\$90,000)	2010 – 2012
Research Working Group, School of Global Environmental Sustainability, Colorado State University. (\$12,000)	2010
Pacific Islands Area Conservation Innovations Grant, USDA NRCS (\$74,997)	2009 – 2011

Awards

Harry Troxell Faculty Award, Colorado State University	2013
National Science Foundation Graduate Research Fellowship	2004 – 2007
William C. Grant, Jr., Prize in Biology, Williams College (\$500)	2000

PRESENTATIONS AT PROFESSIONAL MEETINGS:

Goldstein, J.H., McDonald, R., Tellman, E., Cowan, J., Petry, P., Shemie, D., Veiga, F., Vogl, A. (2016) “Identifying opportunities for nature-based solutions to enhance water security in Latin America through co-produced science”. 3rd North American Congress for Conservation Biology. Madison, WI.

Vogl, A.L., **Goldstein, J.H.**, McDonald, R., Hamel, P., and Ruckelshaus, M. (2015) “Decision-relevant science for water security: An iterative process for targeting and evaluating impacts of watershed investments”. Our Common Future Under Climate Change conference. Paris, France.

Goldstein, J.H. (2014) “Putting ecosystem services impact mitigation into planning and policy: Examples from The Nature Conservancy”. Ecological Society of America conference. Sacramento, CA.

Goldstein, J.H. (2014) “Prioritizing investments in natural infrastructure for water resource sustainability and resilience”. Joint Aquatic Sciences Meeting. Portland, OR.

Goldstein, J.H. (2014) “Bringing ecosystem services into regional avoidance guidance: National land-use planning in Gabon” A Community on Ecosystem Services (ACES) Conference. Arlington, VA.

Goldstein, J.H. (2014) “Prioritizing investments in natural infrastructure to deliver multiple benefits for people and nature”. Delivered in a pre-conference workshop titled “Natural Infrastructure: Reducing risks and generating co-benefits along Coastlines and in Floodplains”. A Community on Ecosystem Services (ACES) Conference. Arlington, VA.

Goldstein, J.H. (2013) “Investing in water for people and nature” Net Zero Cities Conference. Fort Collins, CO.

Guannel, G., Bremer, L., Mandle, L., **Goldstein, J.H.**, Caldarone, G., Duarte, T.K., Hannahs, N., and Woodside, U. (2014) “Incorporating ecosystem services in management and planning: experiences with InVEST”. Hawaii Conservation Conference. Honolulu, HI.

- Goldstein, J.H.**, Bagstad, K., and Loomis, J. (2012) “Species on the move: Valuing the benefits of migratory species to society.” ACES/Ecosystem Markets Conference. Fort Lauderdale, FL.
- Huber-Stearns, H., **Goldstein, J.H.**, Toombs, T., and Cheng, A. (2012) “What is PWS? A catalog and typology of incentive-based watershed programs in the western United States.” ACES/Ecosystem Markets Conference. Fort Lauderdale, FL.
- Goldstein, J.H.** (2012) “Bundling and stacking ecosystem services on private lands: Opportunities and challenges.” EcoSummit. Columbus, OH.
- Chan, K.M.A., Satterfield, T., and **Goldstein, J.H.** (2011) “Cultural ecosystem services require special treatment, and most ecosystem services are cultural.” International Congress for Conservation Biology. Auckland, New Zealand.
- Duke, E.A., **Goldstein, J.H.**, Finchum, R., Huber-Stearns, H., Pitty, J., Rodriguez, G.B., and Sanchez, L.O. (2011) “Designing a pro-poor payment for ecosystem services program in western Panama.” Colorado Conference on Earth System Governance: Crossing Boundaries & Building Bridges. Fort Collins, CO.
- Duke, E.A., **Goldstein, J.H.**, Finchum, R., Huber-Stearns, H., Pitty, J., Rodriguez, G.B., and Sanchez, L.O. (2010) “Designing a pro-poor payment for ecosystem services program in western Panama.” A Community on Ecosystem Services Conference. Phoenix, AZ.
- Goldstein, J.H.**, Manfredo, M., Finchum, R., and Newman, P. (2010) “Conservation Leadership Through Learning.” Workshop: Meeting Tomorrow’s Conservation Challenges by Training and Developing Strong Conservation Leaders Today. 24th International Congress for Conservation Biology. Edmonton, AB, Canada.
- Newman, P., Finchum, R., Manfredo, M., **Goldstein, J.**, Pozo, C., and Vidal, R.M. (2010) Training generalist practitioners in conservation leadership for the 21st century: How can universities contribute? 8th Biennial Conference on University Education in Natural Resources. Virginia Tech, Blacksburg, Virginia.
- Goldstein, J.H.**, Daily, G.C., Duarte, T.K., Ennaanay, D., Hannahs, N., Kagawa, A., Mendoza, G., and Wolny, S. (2008) “Mapping ecosystem services for land use planning: Hawaii as a case study.” A Conference on Ecosystem Services. Naples, FL.
- Daily, G.C., Tallis, H., **Goldstein, J.**, Nelson, E., and Polasky, S. (2008) “Enhancing natural capital across the biosphere.” American Geophysical Union Annual Conference. San Francisco, CA.
- Goldstein, J.H.** (2007) “Paying for biodiversity and ecosystem services in Hawaii.” Hawaii Conservation Conference. Honolulu, HI.
- Goldstein, J.H.** and Daily, G.C. (2006) “Financial incentives to improve human and environmental well-being.” Ecological Society of America. Memphis, TN.
- Goldstein, J.H.**, Pejchar, L., Daily, G.C., and Vitousek, P. (2006) “Economic pathways for native reforestation in Hawaii.” Hawaii Conservation Conference. Honolulu, HI.
- Goldstein, J.H.**, Daily, G.C., Matson, P.A., Vitousek, P., Goldman, R., and Pejchar, L. (2005) “Business strategies for sustainable land use on private lands: Koa forestry as a case study.” Hawaii Conservation Conference. Honolulu, HI.

INVITED PRESENTATIONS:

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| Colorado State University, Western Center for Integrated Resource Management | 2011 |
| • “Payments for ecosystem services for ranchers and rangelands.” 2011 Nick Petry Workshop: Ranching at the Frontier – Ecosystem Services and Decision Tools. | |
| Colorado State University, Center for Collaborative Conservation | 2011 |
| • “Payments for ecosystem services”. Workshop: Stepping Toward the Future – Marketing Environmental Services on Working Lands of the American West. | |
| Colorado State University, Center for Collaborative Conservation | 2010 |
| • “Filling the gap: training the next generation of practitioners to be real-world conservation leaders” | |
| Colorado State University, Dept. of Forest, Range, and Watershed Stewardship | 2009 |

- “Mapping ecosystem services for land use planning: Hawaii as a case study”
Delegation from San Cristobal de las Casas, Mexico 2009
- “Servicios ambientales: un vision general” (presented in Fort Collins)
Panama-Costa Rica Working Group, La Amistad International Park 2009
- “Servicios ambientales: un vision general” (presented in Cerro Punta, Panama)
Colorado State University, Department of Fish, Wildlife, and Conservation Biology 2008
- “Conservation investments in human-dominated landscapes: case studies from Hawaii”
Colorado State University, Department of Agricultural and Resource Economics 2008
- “Integrating ecosystem services into land use planning: Hawaii as a case study”
R2 Region State Foresters Leadership Meeting, United States Forest Service 2008
- “Payments for ecosystem services: where are we today?”
Rocky Mountain Region Leadership Training, United States Forest Service 2008
- “Ecosystem services in decision-making: time to deliver”
China Protected Areas Leadership Alliance Project, San Francisco 2008
- “Payments for ecosystem services: emerging financial tools for protected area managers”
Duke University, Nicholas School for the Environment 2008
- “Paying for conservation in human-dominated landscapes: insights from Hawaii”
University of Minnesota, Department of Applied Economics 2007
- “Paying for conservation in human-dominated landscapes” (Environmental and Resource Economics Seminar)
Santa Clara University, Environmental Studies Institute 2007
- “Combining ecology and economics to guide restoration in Hawaii”
Institute for Pacific Island Forestry, United States Forest Service 2006
- “Valuation of ecosystem services in Hawaii: economic and institutional dimensions”
Conservation Strategy Fund 2005
- “Business strategies for sustainable land use on private lands: koa forestry as a case study” (Summer course: Economic Tools for Ecosystem Conservation)

ORGANIZED CONFERENCE SESSIONS

- Ecosystem Markets Conference** June 2011
- Panel moderator: “Developing And Using Measurement Systems In Biodiversity Markets & Incentive Programs”
- Stepping Toward the Future: Marketing Environmental Services on Working Lands of the American West** May 2011
(Center for Collaborative Conservation, Colorado State University)
- Conference co-organizer, introductory presentation on payments for ecosystem services
- 75th North American Wildlife and Natural Resources Conference** March 2010
- Co-organized with Matthew Dunfee, Wildlife Management Institute
 - “Ecosystem service markets: funding tools for conservation”
 - Presenters (in addition to myself): Carl Lucero (USDA Office of Environmental Markets), Stephanie Gripne (Compatible Ventures), Sarah Lynch (WWF-US), Laurie Wayburn (Pacific Forest Trust)
- Bridging the Gap: Collaborative Conservation from the Ground Up** September 2009
(Center for Collaborative Conservation, Colorado State University)
- “Building the layer cake: profitability through conservation on working lands”

- Presenters: Dieter Erdmann (Colorado Open Lands), David Jessup (Sylvan Dale Ranch), Carl Palmer (Beartooth Capital Partners), Brian Shillinglaw (New Forests Advisory), Ted Toombs (Environmental Defense Fund)

TEACHING EXPERIENCE:

Courses designed and taught at Colorado State University

- Undergraduate:
 - NR 310 (formerly NR381-A1): Ecosystem Services and Human Well-being
- Graduate:
 - NR 540D: Environmental Issues – Ecosystem Services
 - NR 549A: Conservation Leadership and Systems Thinking
 - NR 510 (formerly NR580-A3): Ecosystem Services – Theory and Practice

Academic Director, Conservation Leadership Master's Program

2009 – 2012

- Led the design and implementation of a new transdisciplinary curriculum for master's degree in conservation leadership joint between Colorado State University and El Colegio de la Frontera Sur (Mexico); curriculum integrates technical training in the natural sciences, social sciences, and leadership, business, management, and collaboration skills; learning model incorporates classroom and intensive field-based activities in cross-cultural contexts; coordinated activities of faculty at both partner institutions.
- Award: 2012-2013 Western Association of Graduate Schools / Educational Testing Service Award for Excellence and Innovation in Graduate Education

PEER REVIEWS:

Annals of the New York Academy of Sciences; Australian Journal of Botany; Conservation Biology; Ecological Applications; Ecological Economics; Ecology and Society; Ecosystems; Environment, Development, and Sustainability; Human Dimensions of Wildlife; Journal of Applied Ecology; Philosophical Transactions of the Royal Society of London; Proceedings of the National Academy of Sciences; The Rangeland.