

Jonathan Robert Thompson

Harvard Forest, Harvard University

324 North Main Street, Petersham, Massachusetts, 01366

jthomps@fas.harvard.edu | (T) 978.724.3302 | (F) 978.724.3595

Appointments:

- 2013 - Senior Ecologist, Harvard Forest, Harvard University
- 2013- Adjunct Assistant Professor, Dept. of Environmental Conservation UMASS
- 2013- Research Associate, Smithsonian Institution
- 2011 - 2014 Research Assistant Professor, Dept. of Environmental Science, U. of Virginia
- 2009 – 2013 Research Ecologist, Smithsonian Institution SCBI–Conservation Ecology Center
- 2008 – 2009 Bullard Fellow, Harvard Forest, Harvard University.
- 2004 – 2008 Research Assistant, Biscuit Fire Landscape Study, Oregon State University.
- 2004 – 2009 Freelance Science Writer contracted by US Forest Service, PNW Research Station
- 2002 – 2004 Research Assistant, Coastal Landscape Analysis & Modeling Study (CLAMS), Oregon State U.

Education:

- 2008 Ph.D. *Forest Ecology*, Oregon State University
Advisor: Dr. Thomas A. Spies
- 2004 M.S. *Forest Policy*, Oregon State University
Advisor: Dr. K. Norman Johnson
- 1999 B.S. *Natural Resources*, University of Massachusetts
Advisor: Dr. Matthew Kelty

Publications: [Note: At some point in in 2017 I adopted the convention of placing my name at the end of an author list when the work was done primarily in my lab. I'm still not sure how I feel about it. Note also that underlined names below were student, RA, or Post doc mentees at the time of publication]

Submitted:

McBride, M. K., Fallon Lambert, and **J. R. Thompson** Assessing the effects of multiple scenario development on estimates of future uncertainty. In Review

Smith, I., L. R. Hutyra, A. Reinmann, J. Marrs, and **J. R. Thompson**. Piecing together the fragments: Elucidating edge effects on forest carbon dynamics. In Review.

Thompson, J. R., J. Plisinski, P. Olofson, C. Holden, M. Duveneck. Forest loss in New England: A projection of recent trends. In Review.

Miller, A. **J. R. Thompson**, A. Tepley, K. Anderson-Teixeira, Critical thresholds in a fire-prone landscape: how fire regimes and plant responses create alternative stable equilibria. In Review.

McBride, M., M. J. Duveneck*. K Fallon Lambert, K. A. Theoharides. **J. R. Thompson.** Stakeholder perspectives on the future of New England's landscape. In Review

Published:

Duveneck M. D. and **J. R. Thompson.** 2017. Climate change imposes phenological tradeoffs on forest net primary productivity. In Press. *Journal of Geophysical Research - Biogeosciences*

Liang, Y. , M. Duveneck, E. Gustafson, J. Serra-Diaz, J. R. Thompson. 2017 How disturbance, competition and dispersal interact to prevent tree range boundaries from keeping pace with climate change. In Press at *Global Change Biology*

Kittredge D. B., **J. R. Thompson**, L. Morreale, A. Short, L. Huttyra. 2017. Timber harvesting along a suburban - rural continuum through time. *Ecosphere* (In Press)

McBride M. F., K. F. Lambert, E. S. Huff, K. Theoharides, P. Field and J. R. Thompson. Increasing the effectiveness of participatory scenario development through co-design. 2017. *Ecology and Society* (In Press).

Tepley, A. J., **J. R. Thompson**, H. Epstein, K. Anderson-Teixeira. 2017. Vulnerability to forest loss through altered post-fire recovery dynamics in a warming climate in the Klamath Mountains. *Global Change Biology* DOI: 10.1111/gcb.13704

Shifley S., H. He, H. Leschke, W. Wang, W. Jin, E. Gustafson, **J. R. Thompson**, F. Thompson, W. Dijak, J. Yang. 2017. The past and future of modeling forest dynamics: from growth and yield curves to forest landscape models. *Landscape Ecology* (In Press)

Thompson, J. R. C. Canham, L. Morreale, D. B. Kittredge, B. Butler. 2017. Social and biophysical variation in regional harvest regimes. *Ecological Applications* 27:942-955

Thompson, J. R. 2017. Reciprocity in ecological understanding (Book Review) *Ecology* 98(3):1939-1940.

Thorn, A. J. R. Thompson, J. Plisinski. 2016. Patterns and predictors of recent forest conversion in New England. *Land*. 5(3), 30; doi:10.3390/land5030030

Duveneck, M.D., J. R. Thompson, E. Gustafson, and A. de Bruijn. 2016. Recovery dynamics and climate change effects to future New England forests. *Landscape Ecology*. doi:10.1007/s10980-016-0415-5

Xiao, J., Y. Liang, H. He, **J.R. Thompson**, W. Wang, J. Fraser, Z. Wu. 2016. The formulations of site-scale processes affect landscape-scale forest change predictions: A comparison between LANDIS PRO and LANDIS-II forest landscape models. *Landscape Ecology* doi:10.1007/s10980-016-0442-2

Mallampalli V.R., Mavrommati G., **Thompson J.R.**, Duveneck M.J., Meyer S.R., Ligmann-Zielinska A., Druschke C., Hychka K., Kenny M., Kok K., Borsuk M.E. 2016. Methods for translating narrative scenarios into quantitative assessments of land-use change. *Environmental Modeling and Software*. 82:7–20.

Thompson, J. R., K. F. Lambert, D. R. Foster, M. Blumstein, E. Broadbent, A. Almeyda, and Y., Fan. 2016. The consequences of four land-use scenarios for forest ecosystems and the services they provide. *Ecosphere*. 7(10):e01469. 10.1002/ecs2.1469

Thompson JR, Simons-Legaard E., Leggaard K.R., Domingo J.B. 2016. A LANDIS-II extension for incorporating land use and other disturbances. *Environmental Modeling and Software*. 75:202-205.

Kittredge D. B. and **J. R. Thompson**. 2016. Timber harvesting behavior in Massachusetts: does price matter to private landowners? *Small Scale Forestry*. 15:93-108.

Anderson-Teixeira, K., J. C. McGarvey, H. Muller-Landau, J. Park, E. Gonzalez, A. Bennett, N. Bourg, **J. R. Thompson**, S. M. McMahon, and W. J. McShea. 2015. Scaling of ecological form and function in a closed-canopy forest subject to variable environmental conditions. *Functional Ecology*. 29:1587-1602. doi: 10.1111/1365-2435.12470

Blumstein M. and **J. R. Thompson**. 2015. The consequences of land use for the quantity and configuration of ecosystem service provisioning in Massachusetts, USA. *Journal of Applied Ecology*. doi: 10.1111/1365-2664.12444

Duveneck M. D., **J.R. Thompson**, and T. B. Wilson 2015. An imputed forest composition map for New England screened by species range boundaries. *Forest Ecology and Management*. 347 107-115.

McGarvey J., **J. R. Thompson**, H. Epstein, H. H. Shugart. 2015. Carbon storage in old-growth forests of the Mid-Atlantic: Toward better understanding of the eastern forest carbon sink. *Ecology*. 96(2):311-317.

Thompson J.R. 2014. The changing nature of the Maine woods. (Book Review) *Rhodora*. 116(967):359-362.

Thompson, J. R., K. Fallon-Lambert, D. R. Foster, M. Blumstein, E. N. Broadbent, and A. M. Almeyda Zambrano. 2014. Changes to the Land: Four Scenarios for the Future of the Massachusetts Landscape. Harvard Forest, Harvard University. ISBN:978-0615-9852-68.

Thompson J. R. 2014. Modeling the dynamics of a forest giant. In: Hemlock: A Forest Giant on the Edge. D.R. Foster Editor. Yale University Press. ISBN: 978-0300-1793-85

Oswald W., D.R. Foster and **J.R. Thompson**. 2014. Hemlock Prehistory to Present. In: Hemlock: A Forest Giant on the Edge. D.R. Foster Editor. Yale University Press. ISBN: 978-0300-1793-85; Reprinted in *Arnoldia* 71(3) 13-25.

Holm, J. **J. R. Thompson**, McShea W., N. Bourg. 2013. Interactive effects of chronic deer browsing and canopy gap disturbance on forest successional dynamics. *Ecosphere*. 4(11)144

Bourg, N., W. McShea, **J. R. Thompson**, McGarvey J. X. Shen. 2013. Initial census, woody seedling, seed rain and stand structure data for a Mid-Atlantic Large Forest Dynamics plot. *Ecology*. 94:2111.

Thompson J. R., D. N. Carpenter, C. Cogbill, D. R. Foster. 2013. Four centuries of change in northeastern U.S. forests. *PLoS ONE*. 9: doi:10.1371/journal.pone.0072540

McGarvey J. N. Bourg, **Thompson J. R.**, W. McShea, X. Shen. 2013 The impacts of twenty years of deer exclusion on woody vegetation in a Mid-Atlantic temperate deciduous forest. *Northeastern Naturalist*. 20:451:468.

Bain, D.B., M. Green, J. Campbell, S. Chamblee, S. Chaoka, J. Fraterrigo, S. Kaushal, S. Martin, T.Jordan, T. Parolari, B. Sobczak, D. Weller, W. Wollheim, E. Boose, J. Duncan, G. Gettel, B.

Hall, P. Kumar, **J. R. Thompson**, J. Vose, E. Elliott, D. Leigh. 2012. Legacies in Material Flux: Structural Changes before Long-term Studies. *BioScience*. 62(6)575:584

Thompson, J. R., A. Wiek, F. Swanson, S. Carpenter, N. Fresco, T. Hollingsworth, T. Spies, D. R. Foster. 2012. Scenario studies as a synthetic and integrative research activity for long term ecological research. *BioScience*. 62(4)367-376

Orwig D. A., **J. R. Thompson**, N. A. Povak, M. Manner, D. Niebyl, D. R. Foster. 2012. A foundation tree at the precipice: *Tsuga canadensis* health following the arrival of *Adelges tsugae* in central New England. *Ecosphere*. 3(1)p10

Thompson J. R., D. R. Foster, R. Scheller and D. B. Kittredge. 2011. The influence of land use and climate change on forest biomass and composition in Massachusetts, USA. *Ecological Applications*. 21(7): 2425-2444.

Thompson J. R., T. A. Spies, and K. Olsen. 2011. Canopy damage to conifer plantations within a mixed-severity wildfire varies with stand age. *Forest Ecology and Management*. 262:355-360.

Halofsky J., D. Donato, D. Hibbs, J. Campbell, M. Cannon, J. Fontaine, **J. R. Thompson**, R.G. Anthony, B.T. Bormann, L.J. Kayes, B.E. Law, D.L. Peterson, and T.A. Spies. 2011. Mixed severity fire regimes: Lessons from the Klamath-Siskiyou Ecoregion. *Ecosphere*. 2(40)

Thompson J. R. and T. A. Spies. 2010. Factors associated with crown damage following recurring mixed-severity wildfires and post-fire management. *Landscape Ecology*. 25:775-789

Foster, D. R., B. Donahue, D. Kittredge, K. Fallon-Lambert, M. Hunter, B. Hall, L. Irland, R. Lilieholm, D. Orwig, A. D'Amato, E. Colburn, **J. R. Thompson**, J. Levitt, A. Ellison, W. Keeton, J. Aber, C. Cogbill, C. Driscoll, T. Fahey, and C. Hart. 2010. Wildland and Woodlands: A Forest Vision for New England. Harvard University Press. Cambridge, MA. ISBN: 978-1-4507-0603-250500

Thompson J. R. and T. A. Spies. 2009. Vegetation and weather explain variation in crown damage in a large mixed-severity wildfire. *Forest Ecology and Management*. 258:1684-1694.

Thompson J. R., S. Duncan, K. N. Johnson 2009. Is there potential for the historical range of variability to guide conservation given the social range of variability? *Ecology and Society*. 14(1): 18.

Thompson J. R. 2009. Salvaging what, exactly? (Book Review) *Conservation Biology*. 23(5): 1333-1334.

Thompson J. R., T.A. Spies, and L.M. Ganio. 2007. Reburn severity in managed and unmanaged vegetation in a large wildfire. *Proceedings of the National Academy of Sciences*. 104:10743-10748.

Thompson J.R., K.N. Johnson, M. Lennette, T. Spies, P. Bettenger. 2006. Historical disturbance regimes as a reference for forest policy in a multi-owner province: A simulation experiment. *Canadian Journal of Forest Research*. 36:401-417.

Duncan S. and **J. R. Thompson**. 2006. Forest plans and ad hoc scientist groups in the 1990s: Coping with the Forest Service viability clause. *Forest Policy and Economics*. 9:32-41

Shelby B., **J. R. Thompson**, M. Brunson, and R. Johnson. 2005. A decade of recreation ratings for six silviculture treatments in Western Oregon. *Environmental Management*. 75:239-246.

Thompson J. R., M. Anderson, and K. N. Johnson. 2004. Ecosystem management across ownerships: The potential for collision with antitrust laws. *Conservation Biology*. 18(6):1475-1481.

Shelby B., **J. R. Thompson**, M. Brunson, and R. Johnson. 2004. Changes in scenic quality after harvest: A decade of ratings for six silviculture treatments. *Journal of Forestry*. 101:30-35.

Reports and Theses:

DePreist P., W. Fitzhigh, L. Hirst, A. Johnston, J. Kress, P. Megonigal P., **J. R. Thompson**, S. Wing, and J. Wright. 2010. Final Report of the Smithsonian Working Group on Climate Change and Carbon Cycling. Smithsonian Institution. (Authors listed alphabetically)

Thompson J. R. and D. R. Foster. 2009. Report to the LTER network office on the Scenarios of Future Landscape Change working group. 15p.

Thompson, J. R., 2008. Patterns of crown damage in a large wildfire in the Klamath/Siskiyou ecoregion. Ph.D. Dissertation, Dept. of Forest Science, Oregon State University, Corvallis, Oregon. 280p.

Thompson J. R., S. Duncan, and K. N. Johnson. 2007. The potential for the historical range of variability to guide future conservation in the context of the social range of variability: An evaluation of the Oregon coast range. Oregon Site Report for Project D3 of the National Commission for the Science of Sustainable Forestry. 22p.

Thompson J. R. 2004. Historical disturbance regimes as a reference for forest policy. M.S. Thesis. Dept. of Forest Resources, Oregon State U., Corvallis, OR. 188p.

Johnson K. N., D. Johnson, and **J. R. Thompson.** 2003. Ten years of progress: An assessment of Indian forests and forest management in the United States. The Indian Forest Management Assessment Team 52p + appendices.

Science Writing for Popular Audience (Selected articles):

Thompson J. R. 2009. Scenarios of future landscape change: Harvard Forest hosts workshop with an eye to the future. LTER Network News. Spring 2009.

Thompson J. R. 2009. We're all in this together: Decision making about the environment and economy to address climate change in a complex world. PNW Science Findings Issue No: 112. US Dept. of Agriculture, Forest Service. 5 p.

Thompson J. R. 2009. Conservation of biological diversity: all things considered. PNW Science Findings Issue No: 108. US Dept. of Agriculture, Forest Service. 5 p.

Thompson J. R. 2008. Fuel reduction and forest restoration treatments: Once is not enough. PNW Science Findings Issue No: 106. US Dept. of Agriculture, Forest Service. 5 p.

Thompson J. R. 2008. Long-term ecological reflections: Writers, philosophers, and scientists meet in the forest. PNW Science Findings Issue No: 105. US Dept. of Agriculture, Forest Service. 5 p.

Thompson J. R. 2008. Burn and they will come! The western regional birds and burns study examines bird responses to prescribed fire. PNW Science Findings Issue No: 103. US Dept. of Agriculture, Forest Service. 5 p.

Thompson J. R. 2008. Farmed Atlantic salmon: Potential invader in the Pacific Northwest? PNW Science Findings Issue No: 100. US Dept. of Agriculture, Forest Service. 5 p.

Thompson J. R. 2008. Saving streams at their source: Managing for amphibian diversity in headwater forest. PNW Science Findings Issue No: 98. US Dept. of Agriculture, Forest Service. 5 p.

Thompson J. R. 2007. Green-tree retention in harvest units: Boon or bust for biodiversity? PNW Science Findings Issue No: 96. US Dept. of Agriculture, Forest Service. 5 p.

Thompson J. R. 2007. Mountain meadows—Here today, gone tomorrow: Meadow science and restoration. PNW Science Findings Issue No: 94. US Dept. of Agriculture, Forest Service. 5 p.

Thompson J. R. 2007. The mysterious demise of an ice-age relic: Exposing the cause of yellow-cedar decline. PNW Science Findings Issue No: 93. US Dept. of Agriculture, Forest Service. 5 p.

Thompson J. R. 2007. Simulating the consequences of land management. PNW Science Findings Issue No: 92. US Dept. of Agriculture, Forest Service. 5 p.

Thompson J. R. 2007. Sagebrush in western North America: Habitats and species in jeopardy. PNW Science Findings Issue No: 91. US Dept. of Agriculture, Forest Service. 5 p.

Thompson J. R. 2007. The secret life of marbled murrelets: Monitoring populations and habitats. PNW Science Findings Issue No: 90. US Dept. of Agriculture, Forest Service. 5 p.

* Note: From 2006 to 2009, I wrote > 50 issues of “*Science Findings*,” which is a monthly, ~ 3500-word, popular science periodical published by the US Forest Service. It has a print circulation > 5000. All issues are also available online at: <http://www.fs.fed.us/pnw/publications/scifi.shtml>.

Grants

- 2017-2020 NASA: Carbon Cycle Science/ USDA NIFA: “Fragmentation effects on forest productivity across managed ecosystem gradients” (PI Lucy Hutyra of BU \$1mil full grant; Thompson Harvard Institutional PI \$360K)
- 2016-2019 NSF Coupled Human and Natural: “*The consequences of climate change-driven land-use regime shifts in New England forests*” (PI J.R. Thompson, Harvard University) \$900,000
- 2015 - 2018 Highstead Foundation: “*Wildlands and Woodlands. Translating the Vision into Sustained and Strategic Activities*” (PI: D.R. Foster, Harvard University; Thompson portion: \$250K)

- 2014 - 2018 NSF DEB Ecosystems: *"Assessing evidence for a climate induced biome shift in the Klamath EcoRegion"* (PI J.R. Thompson Harvard University)
\$965,000
- 2013 - 2018 NSF RCN-SEES: *"Scenarios, Services, and Society"* Senior Personnel and Science Coordinator (PI D.R. Foster, Harvard University)
\$749,990
- 2012 – 2018 NSF LTER HFR: *"New Science, Synthesis, Scholarship and Strategic Vision for Society: Harvard Forest "* Co-PI (PI D.R. Foster, Harvard University.)
\$5,879,997
- 2013-2014 Smithsonian Grand Challenge Award: *"BiodiversiTREE @ the Smithsonian"* One of ten Co-Investigators working with J. Parker at SI
\$200,000
- 2012 – 2013 Smithsonian Grand Challenge Award; *"Integrating traditional ecological knowledge and modern forest science toward resilient tribal management"* Co-PI
\$210,000
- 2012 Center for Tropical Forest Science; *"Gap model simulations of long-term impacts of deer over-abundance on forest successional dynamics"* PI
\$12,500
- 2011 - 2012 NSF-LTER Supplemental: *"Future scenarios of forest change in Massachusetts"* Co-I with D. R. Foster and K. Lambert, Harvard University.
\$46,000
- 2011 - 2012 Smithsonian Institution, Scholarly Studies Program; *"Estimating the carbon storage potential of Mid-Atlantic forests based on remnant old-growth sites"* PI
\$66,700
- 2010 - 2012 NSF-LTER Supplemental: *"Landscape vulnerability and resilience to global change – Regional scenario analysis across LTER sites"* Co-PI with D. R. Foster of Harvard University.
\$49,999
- 2010 Smithsonian Institution Global Earth Observatory (SIGEO); *"Herbivory effects on overstory tree growth – A dendrochronological approach"* Co-PI with W. McShea and N. Bourg, Smithsonian Conservation Biology Institute

\$24,000

2009-2011 NSF RAPID: *“Ecological patterns and consequences of catastrophic mortality of a foundation species due to abrupt climatic and biotic stresses”* Co-PI with D. R. Foster, Harvard University.

\$99,532

2009-2010 NSF LTER LNO: *“Workshop Grant: Future scenarios of land use and climate change”* Co-PI with D. R. Foster, Harvard University.

\$30,000

Teaching:

LANDIS-II Training Workshop. Harvard Forest (3-Day Workshop) (4/2014)

“An Introduction to Data Analysis and Graphing in R.” Westfield State University. 2-day class, Westfield MA. (1/2011)

“Point Pattern analysis and Autoregressive Models.” A module in the course: *“Experimental Design and Ecological Data Analysis.”* George Mason University. (8/2010)

“An Introduction to Data analysis in R” & *“An Introduction to Spatial Statistics in R”* Two modules in the course: *“Advanced Conservation GIS & Remote Sensing.”* Smithsonian Conservation Biology Inst. (5/2009, 5/2010, 5/2011)

“Advanced Remote Sensing” Forest Resources 451/551 Lead Instructor: Oregon State University. (1/2008 - 6/2008)

“Forest Policy Analysis” Teaching Assistant, Oregon State University. (1/2006 - 6/2006 & 1/2005 - 6/2005)

“Natural Resource Management” Teaching Assistant, Oregon State University. (9/2001 to 12/2001 & 9/2002 to 12/2002)

Fellowships & Awards:

2012 Smithsonian Director’s Award -- \$500

2011 Smithsonian Director’s Award -- \$5000

2008-2009 Bullard Fellowship, Harvard Forest, Harvard University - \$40,000

2008 USFS Award for communicating ecological science to the public - \$1000

2007 Yerex Science & Engineering Fellowship, Oregon State University - \$10,000

2007 Oregon Sports Lottery Scholarship, Oregon State University - \$3000
2007 Bailey Fellowship, Oregon State University - \$3000
2006 Honer Fellowship, Oregon State University - \$6000
2005 Moltke Award, Oregon State University - \$2000
2004 Dilworth Memorial Forest Science Award, Oregon State University - \$1000
2003 Harris Travel Award, Oregon State University - \$1000
1997 Trout Unlimited Student Conservation Award - \$500

Service and Outreach:

Science Coordinator for the Scenarios, Services, and Society Research Coordination Network (NSF RCN) (2013 -)

Subject Matter Editor: *Landscape Ecology* (2015 -) Handles 6 to 8 papers per year. *ESA Ecosphere* (2010 -) Handle 8 to 10 papers per year.

Ad Hoc Subject Matter Editor: *ESA Ecological Monographs* (2010 -)

Board Member, The LANDIS-II Foundation, (501c3) Secretary and Technical Committee member (2012 -)

Smithsonian committee on the Anthropocene (2012-2013)

Organized two workshops with colleagues from Harvard Forest designed to develop stakeholder-driven, national-scale scenarios of forest landscape change. The first workshop, held in February 2011, included the leadership from > 20 NGOs and was hosted by the H. John Heinz III Center for Science, Economics and the Environment in Washington D C. The second, held in March 2011, included > 20 senior personnel from five federal agencies and was hosted by the National Council for Science and the Environment in Washington DC. (2011)

Writing Team member: US Global Change Research Program: Strategic Plan 2012-2021 (I am a member of the Sustain Assessment and Integrated Modeling groups) (2/2011 -)

Served on search committees for two Smithsonian federal staff scientist positions: (1) Smithsonian Global Earth Observatory (SIGEO), Temperate Forest Ecologist (11/2010) and (2) and joint SCBI/SIGEO Terrestrial Ecosystem Ecologist position (5/2012).

Served as the SCBI representative on the ad hoc "Smithsonian Carbon and Climate Working Group" convened by the Smithsonian Undersecretary of Science to evaluate current climate change research throughout SI and make recommendations for improvement

Faculty Associate with the NSF Long Term Ecological Research (LTER) Program (2008 -)

Co-Chair: LTER Future Scenarios Working Group (2009 -)

Co-Organized one-day workshop: "Future Scenarios of Landscape Change: Tools and Tactics." Held at Harvard Forest (8/2012)

Organized Special Session at LTER All Scientist meeting "Future Scenarios for science synthesis" Estes Park CO (9/2010)

Organized a three-day workshop: "Future Scenarios of Landscape Change" held at Harvard Forest with 35 attendees representing 16 Long-term ecological research (LTER) sites. (4/2009)

Mentored three REU students at Harvard Forest (summer, 2009)

Elected to the town of New Salem, Massachusetts' Planning and Zoning Commission; Served as Secretary and Chair and assisted with the development of a new conservation zoning program. (2008-2009)

Reviews: *Canadian J. of Forest Research; Conservation Biology; Ecological Applications; Ecological Modeling; Ecology; Ecological Monographs; Ecology and Society; Environmental Management; Forest Ecology and Management; Forest Science; J. of Forestry; Landscape Ecology; PLOS-One; Proceedings of the National Academy of Science; Northern J. of Applied Forestry; Remote Sensing of Environment*

Proposal Reviews: *National Science Foundation ad hoc reviewer and LTER Review Panelist; Smithsonian Graduate and Post-Doctoral Fellowship Program; Smithsonian Internal Grants Competition; Sigma Delta Epsilon Graduate Women in Science and Engineering*

Invited Presentations:

University of Massachusetts, Applied Silviculture, Amherst MA (5/2017)

Clark University, Geography Department, Worcester MA (5/2017)

International LTER Open Meeting, Kruger National Park, South Africa (10/2016)

University of Massachusetts, Dept. of Environmental Conservation Seminar, Amherst MA (10/2016)

University of Connecticut, Department of Natural Resources Seminar, Storrs CT (9/2016)

Harvard University Herbaria Lecture Series, Cambridge, MA (10/2015)
Join Sino-US Workshop on Landscape Modeling, Northeast University Chang Chun, China (6/2015)
Smithsonian Temperate Forest Symposium, Hirshhorn Museum, Washington D.C. (3/2015)
Clark University, Guest Lecture in GIS and Land Change Science, Worcester, MA (3/2015)
U. of Wisconsin, Dept. of Forestry and Wildlife Departmental Speaker, Madison, WI (11/2014)
U. of Missouri, Dept. of Forestry, Departmental Speaker, Columbia, MO (11/2014)
Highstead Conservation Organization, Member Open House, Redding, CT (Keynote; 5/2014)
Westfield River National Wild and Scenic Symposium, Westfield, MA (Keynote; 4/2014)
New England Society for American Foresters, Nashua, NH (3/2014)
Harvard University, Harvard Forest Annual Ecology Symposium. Petersham, MA (3/2014)
Massachusetts Association of Conservation Commissions Annual Meeting (2/2014)
Massachusetts Forests Forum Annual Retreat, Boston MA (1/2014)
LANDIS-II Users Meeting, Madison WI (1/2014)
Springfield Science Museum, Forest Scenario Press Conference, Springfield MA (12/2013)
Harvard Kennedy School of Government, Forest Scenario Press Conference, Cambridge MA (12/2013)
Global Earth Observatory, Washington D.C. (6/2013)
Harvard University, Harvard Forest Annual Ecology Symposium. Petersham, MA (4/2013)
University of Virginia, Guest Lecture. Charlottesville VA (4/2012)
Harvard University, Harvard Forest Annual Ecology Symposium. Petersham, MA (3/2012)
State Arboretum of Virginia, Summer Lecture Series. Boyce, VA (6/2011)
Shout Learning Project, Microsoft Corp. Online Event (5/2011)
Smithsonian Climate Change Research Symposium. Washington DC (5/2011)
University of Virginia, Guest Lecture. Charlottesville VA (4/2011)
Harvard University, Harvard Forest Annual Ecology Symposium. Petersham, MA (3/2011)
Smithsonian Tropical Research Institute. Panama City, Panama. (Plenary; "The Tupper Talk" 2/2011)
Ministry of Water and Forests, Gabon, West Africa (2/2011)
University of Maryland, Appalachian Lab, Departmental Seminar. Frostburg, MD (2/2011)
Smithsonian Environmental Research Center. Edgewater, MD (2/2011)
George Mason University. Front Royal, VA (1/2011)
SCBI Public Lecture Series. Front Royal, VA (10/2010)
University of Virginia, Environmental Science Departmental Seminar. Charlottesville VA (4/2010)
LANDIS-II Forest landscape modeling conference. Madison, WI (3/2010)
Harvard University, Harvard Forest Annual Ecology Symposium. Petersham, MA (3/2010)
LTER All Scientists' Meeting. Estes Park, CO (10/2009)
Hubbard Brook Annual Ecology Symposium. North Woodstock, NH (7/2009)
Westfield State College, Distinguished Lecturer Series. Westfield, MA (5/2009)
Harvard University, Harvard Forest Annual Ecology Symposium. Petersham, MA (3/2009)
Clark University Departmental Seminar. Worcester, MA (5/2009)
Oregon Forestry Dept. - Science foundations of post-wildfire policy workshop. Corvallis, OR (3/2008)
Oregon State University, Oregon Remote Sensing Workshop. Portland, OR (2/2007)
Third International Fire Ecology and Management Congress. San Diego, CA (11/2006)
PNW Research Station, Future Range of Variability Symposium. Corvallis, OR (6/2006)

International Ecological Society Meeting. Merida, Mexico (1/2006)
National Commission on Science for Sustainable Forestry. Denver, CO (5/2006)
Southwestern Oregon Wildfire Research Symposium. Gold Beach, OR (2/2006)
US Forest Service, Using Past Ecological Conditions in Resource Planning. Corvallis, OR (7/2004)

Contributed Abstracts & Presentations:

Ecological Society of America Annual Meeting	2016-2009, 2006, 2004
International Congress for Conservation Biology	2013
International Association of Landscape Ecologists	2016, 2015, 2012, 2011, 2009
Environment History Society Annual Meeting	2012
American Geophysical Union	2015, 2011
North American Forest Ecology Workshop	2011, 2009, 2007
Northwest Scientific Association Annual Meeting	2007, 2005

Advisees:

Iara Lacher, Post-Doctoral Fellow, Smithsonian Institution, (Sept 2015 -)
Marissa McBride, Post-Doctoral Fellow, Harvard University, (Sept 2015 -)
Pep Diaz, Post-Doctoral Fellow, Harvard University, (June 2015 -)
Matthew Duveneck, Post-Doctoral Fellow, Harvard University, (Dec 2013 -)
Eben Broadbent, Post-Doctoral Fellow, Smithsonian Institution (Oct 2012 – Oct 2013)
Angelica Almeyda, Post-Doctoral Fellow, Smithsonian Institution (Oct 2012 – Oct 2013)
Jennifer Holm, Post-Doctoral Fellow, Smithsonian Institution (March 2012 – August 2012)
Jennifer McGarvey, M.S. Student, Dept. of Environmental Science, U. of Virginia
Aticus Stonewall, M.S. Student, Dept. of Environmental Science, U. of Virginia

Interns and REU Students:

Rafael Gonzalez, University of Mississippi (1/10-8/10)
Dunbar Carpenter, Harvard University (5/10-5/11)
Jeffery Dragon, George Mason University (2/10-6/10)
Jenifer McGarvey, U. Californian Berkley (5/10 – 1/12)
Dana Squire, U. Virginia (8/11 – 12/12)
Yaunchau Fan, U. Nevada Reno (9/11 – 10/12)
Vania Chan (3/12 – 3/12)
Stevie Gildehaus, Willamette University (5/12 – 9/12)
Rebecca Walker, University of Virginia (9/12 – 1/13)
Evelyn Strombom, Swarthmore College (11/12 – 9/13)
Meghan Blumstein, Middlebury College (11/12 – 10/13)
Sofie McComb, U Texas (5/2014 – 8/2014)
Mayra Rodriguez-Gonzalez, U. Puerto Rico (5/2015 – 8/2015)

Patrick McKenzie, U. Tennessee (5/2016 – 8/2016)
Ian Smith, Boston University (5/2016 – 8/2016)