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EDUCATION

- 2007 Ph.D., Forest Ecology, Oregon State University, Corvallis, OR
- 2002 M.S., Forest Resources, The Pennsylvania State University, University Park, PA
- 1999 B.S., Environmental Studies, Bucknell University, Lewisburg, PA
- 1998 Study Abroad, School for Field Studies, Centre for Rainforest Studies, Queensland, Australia

PROFESSIONAL EXPERIENCE

- 2018 – Present Research Scientist, Joint Appointment with University of Washington, School of Environmental and Forest Sciences and U.S. Forest Service, Pacific Northwest Research Station, Olympia, WA (Supervisor: Katherine Smith)
- 2008 – 2018 Post-Doctoral Research Ecologist, University of Washington, School of Environmental and Forest Sciences, Seattle, WA (Supervisor: David L. Peterson)
- 2007 Post-doctoral Research Scientist, Department of Forest Science, Oregon State University, Corvallis, OR (Supervisor: David Hibbs)
- 2005, 2006 Instructor, Department of Forest Science, Oregon State University, Corvallis, OR
- 2003 Research Assistant, Department of Landscape Architecture, Rutgers University, New Brunswick, NJ (Supervisor: Jean Marie Hartman)
- 2002 Research Assistant, School of Forest Resources, the Pennsylvania State University, University Park, PA (Supervisor: William Sharpe)
- 2001 Research Assistant, School of Forest Resources, the Pennsylvania State University, University Park, PA (Supervisor: Todd Bowersox)
- 2000-2002 Teaching Assistant, School of Forest Resources, the Pennsylvania State University, University Park, PA (Supervisor: Larry McCormick)
- 2000 Research Assistant, Department of Biology, Bucknell University, Lewisburg, PA (Supervisor: Warren Abrahamson)

REFEREED PUBLICATIONS

- Halofsky, J.E., D.L. Peterson, and J.J. Ho. 201X. Climate change vulnerability and adaptation in south central Oregon. General Technical Report PNW-GTR-xxx. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. In press.
- Hudec, J.L., J.E. Halofsky, D.L. Peterson, J.J. Ho, eds. 201X. Climate change vulnerability and adaptation in Southwest Washington. General Technical Report PNW-GTR-xxx. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. In press.
- Clifton, C.F., K.T. Day, C.H. Luce, G.E. Grant, M. Safeeq, J.E. Halofsky, and B.P. Staab. 2018. Effects of climate change on hydrology and water resources in the Blue Mountains, Oregon, USA. *Climate Services* 10: 9–19. <https://doi.org/10.1016/j.cliser.2018.03.001>.

- Halofsky, J.E. 2018. Adapting to the effects of climate change [Chapter 14]. In: Halofsky, J.E., D.L. Peterson, J.J. Ho, N.J. Little, and L.A. Joyce, eds. 2018. Climate change vulnerability and adaptation in the Intermountain Region. General Technical Report RMRS-GTR-375. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station: 404–509.
- Halofsky, J.E., S.A. Andrews-Key, J.E. Edwards, M.H. Johnston, H.W. Nelson, D.L. Peterson, K.M. Schmitt, C.W. Swanston, and T.B. Williamson. 2018. Adapting forest management to climate change: The state of science and applications in Canada and the United States. *Forest Ecology and Management* 421: 84–97. <https://doi.org/10.1016/j.foreco.2018.02.037>.
- Halofsky, J.E., K. Hoggland-Wyatt, K. Dello, D.L. Peterson, and J. Stevenson. 2018. Assessing and adapting to climate change in the Blue Mountains, Oregon (USA): Overview, biogeography, and climate. *Climate Services* 10: 1–8. <https://doi.org/10.1016/j.cliser.2018.03.002>.
- Halofsky, J.E., D.L. Peterson, S.K. Dante-Wood, L. Hoang, J.J. Ho, and L.A. Joyce, eds. 2018. Climate change vulnerability and adaptation in the Northern Rocky Mountains. General Technical Report RMRS-GTR-374. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station.
- Halofsky, J.E., D.L. Peterson, J.J. Ho, N.J. Little, and L.A. Joyce, eds. 2018. Climate change vulnerability and adaptation in the Intermountain Region. General Technical Report RMRS-GTR-375. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station.
- Halofsky, J.E., D.L. Peterson, and H.R. Prendeville. 2018. Assessing vulnerabilities and adapting to climate change in northwestern U.S. forests. *Climatic Change* 146(1): 89–102. <https://doi.org/10.1007/s10584-017-1972-6>.
- Halofsky, J.S., D.R. Conklin, D.C. Donato, J.E. Halofsky, and J.B. Kim. 2018. Climate change, wildfire, and vegetation shifts in a high-inertia forest landscape: Western Washington, U.S.A. *PLoS ONE* 13(12): e0209490. <https://doi.org/10.1371/journal.pone.0209490>.
- Halofsky, J.S., D.C. Donato, J.F. Franklin, J.E. Halofsky, D.L. Peterson, and B.J. Harvey. 2018. The nature of the beast: Examining climate adaptation options in forests with stand-replacing fire regimes. *Ecosphere* 9: e02140. <https://doi.org/10.1002/ecs2.2140>.
- Kim, J.B., B.K. Kerns, R.J. Drapek, G.S. Pitts, and J.E. Halofsky. 2018. Simulating vegetation response to climate change in the Blue Mountains with MC2 dynamic global vegetation model. *Climate Services* 10: 20–32. <https://doi.org/10.1016/j.cliser.2018.04.001>.
- Peterson, D.L., and J.E. Halofsky. 2018. Adapting to the effects of climate change on natural resources in the Blue Mountains, USA. *Climate Services* 10: 63–71. <https://doi.org/10.1016/j.cliser.2017.06.005>.
- Vose, J.M., D.L. Peterson, G.M. Domke, C.J. Fettig, L.A. Joyce, R.E. Keane, C.H. Luce, J.P. Prestemon, L.E. Band, J.S. Clark, N.E. Cooley, A. D’Amato, and J.E. Halofsky, 2018: Forests. In: Reidmiller, D.R., C.W. Avery, D.R. Easterling, K.E. Kunkel, K.L.M. Lewis, T.K. Maycock, and B.C. Stewart, eds. *Impacts, risks, and adaptation in the United States: Fourth National Climate Assessment, Volume II*. Washington, DC: U.S. Global Change Research Program. doi: 10.7930/NCA4.2018.CH6
- Clifton, C.F., K.T. Day, K. Dello, G. Grant, J.E. Halofsky, D.J. Isaak, C.H. Luce, M. Safeeq, B.P. Staab, and J. Stevenson. 2017. Climate change and hydrology in the Blue Mountains [Chapter 3]. In: Halofsky, J.E. and D.L. Peterson, eds. *Climate change vulnerability and adaptation in the Blue Mountains*. General Technical Report PNW-GTR-939. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station: 25–52.
- Clifton, C.F., K.T. Day, G. Grant, J.E. Halofsky, C.H. Luce, and B.P. Staab. 2017. Climate change, water resources, and roads in the Blue Mountains [Chapter 4]. In: Halofsky, J.E. and D.L. Peterson, eds. *Climate change vulnerability and adaptation in the Blue Mountains*. General Technical Report PNW-GTR-939. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station: 53–90.

- Halofsky, J.E., and D.L. Peterson, eds. 2017. Climate change and Rocky Mountain ecosystems. *Advances in Global Change Research*, Volume 63. Cham, Switzerland: Springer International Publishing.
- Halofsky, J.E., and D.L. Peterson, eds. 2017. Climate change vulnerability and adaptation in the Blue Mountains. General Technical Report PNW-GTR-939. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station.
- Halofsky, J.E., T.W. Warziniack, D.L. Peterson, and J.J. Ho. 2017. Understanding and managing the effects of climate change on ecosystem services in the Rocky Mountains. *Mountain Research and Development* 37(3): 340–352. <https://doi.org/10.1659/MRD-JOURNAL-D-16-00087.1>.
- Halofsky, J.S., J.E. Halofsky, M.A. Hemstrom, A.T. Morzillo, X. Zhou, and D.C. Donato. 2017. Divergent trends in ecosystem services under different climate-management futures in a dry forest landscape. *Climatic Change* 142(1): 83–95. <https://doi.org/10.1007/s10584-017-1925-0>.
- Halofsky, J.E., and D.L. Peterson. 2016. Climate change vulnerabilities and adaptation options for forest vegetation management in the northwestern USA. *Atmosphere* 7(3): article 46. <https://doi.org/10.3390/atmos7030046>.
- Halofsky, J.E., D.L. Peterson, K.L. Metlen, M.G. Myer, and V.A. Sample. 2016. Developing and implementing climate change adaptation options in forest ecosystems: a case study in southwestern Oregon, USA. *Forests* 7: 268. <https://doi.org/10.3390/f7110268>.
- Halofsky, J.E., D.L. Peterson, L.A. Joyce, C.I. Millar, and J.M. Rice. 2016. Implementing climate change adaptation in forested regions of the western United States. In: Sample, V.A., R.P. Bixler, and C. Miller, eds. *Forest conservation in the Anthropocene: science, policy, and practice*. Boulder, CO: University Press of Colorado: 165–178.
- Creutzburg, M.K., J.E. Halofsky, J.S. Halofsky, and T.A. Christopher. 2015. Climate change and land management in the rangelands of central Oregon. *Environmental Management* 55(1): 43–55.
- Halofsky, J.E., D.L. Peterson, and K.W. Marcinkowski. 2015. Climate change adaptation in United States federal natural resource science and management agencies: a synthesis. Washington, DC: U.S. Global Change Research Program. Available at: <http://www.globalchange.gov/browse/reports/climate-change-adaptation-united-states-federal-natural-resource-science-and>.
- Halofsky, J.S., J.E. Halofsky, D. Conklin, D. Bachelet, M. Hemstrom, B. Kerns, A. Morzillo. 2015. Using a dynamic global vegetation model to help inform management decisions. In: Bachelet, D., and D. Turner, eds. *Global vegetation dynamics: concepts and applications in the MC1 Model*. Wiley: 153–170.
- Halofsky, J.E., M.K. Creutzburg, M.A. Hemstrom, eds. 2014. Integrating social, economic, and ecological values across large landscapes. General Technical Report PNW-GTR-896. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station.
- Halofsky, J.E., S.K. Hart, M.A. Hemstrom, J.S. Halofsky, and M.C. Johnson. 2014. Simulating fire hazard across landscapes through time: integrating state-and-transition models with the Fuel Characteristic Classification System [Chapter 3]. In: Halofsky, J.E.; M.K. Creutzburg, and M.A. Hemstrom, eds. 2014. *Integrating social, economic, and ecological values across large landscapes*. General Technical Report PNW-GTR-896. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station: 71–110.
- Halofsky, J.E., D.L. Peterson, L.A. Joyce, C.I. Millar, J.M. Rice, and C.W. Swanston. 2014. Implementing climate change adaptation in forested regions of the United States. In: Sample, V.A. and R.P. Bixler, eds. *Forest conservation and management in the anthropocene: conference proceedings*. Proceedings RMRS-P-71. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station: 229–243.

- Halofsky, J.S., J.E. Halofsky, T. Burcsu, and M.A. Hemstrom. 2014. Dry forest resilience varies under simulated climate-management scenarios in a central Oregon, USA landscape. *Ecological Applications* 24(8): 1908–1925.
- Hemstrom, M.A., J.E. Halofsky, D.R. Conklin, J.S. Halofsky, D. Bachelet, and B.K. Kerns. 2014. Developing climate-informed state-and-transition models [Chapter 7]. In: Halofsky, J.E.; M.K. Creutzburg, and M.A. Hemstrom, eds. 2014. Integrating social, economic, and ecological values across large landscapes. General Technical Report PNW-GTR-896. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station: 175–202.
- Kang, S., S.W. Running, J.S. Kimball, D.B. Fagre, A. Michaelis, D.L. Peterson, J.E. Halofsky, and S. Hong. 2014. Effects of spatial and temporal climatic variability on terrestrial carbon and water fluxes in the Pacific Northwest, USA. *Environmental Modelling and Software* 51(2014): 228–239.
- Sample, A., J.E. Halofsky, and D.L. Peterson. 2014. U.S. strategy for forest management adaptation to climate change: building a framework for decision making. *Annals of Forest Science* 71(2014): 125–130.
- Halofsky, J.E., M.A. Hemstrom, D.R. Conklin, J.S. Halofsky, B.K. Kerns, and D. Bachelet. 2013. Assessing potential climate change effects on vegetation using a linked model approach. *Ecological Modelling* 266(2013): 131–143.
- Johnson, M.C., J.E. Halofsky, D.L. Peterson, and J. Bergin. 2013. Effects of salvage logging and pile-and-burn on fuel loading, potential fire behavior, fuel consumption, and emissions. *International Journal of Wildland Fire* 22(6): 757–769.
- Chmura, D.J., P.D. Anderson, G.T. Howe, C.A. Harrington, J.E. Halofsky, D.L. Peterson, D.C. Shaw, and B. St. Clair. 2011. Forest responses to climate change in the northwestern United States: ecophysiological foundations for adaptive management. *Forest Ecology and Management* 261(7): 1121–1142.
- Halofsky, J.E., D.C. Donato, D.E. Hibbs, J.L. Campbell, M. Donaghy-Cannon, J.B. Fontaine, J.R. Thompson, R.G. Anthony, L.J. Kayes, B.E. Law, D.L. Peterson, and T.A. Spies. 2011. Mixed-severity fire regimes: lessons and hypotheses from the Klamath-Siskiyou Ecoregion. *Ecosphere* 2(4): Article 40.
- Halofsky, J.E., D.L. Peterson, C. Aubry, C. Dowling, and S.A. Acker. 2011. Climate change and vegetation management at Olympic National Forest and Olympic National Park [Chapter 6]. In: Halofsky, J.E., D.L. Peterson, K.A. O’Halloran, and C. Hawkins Hoffman, eds. Adapting to climate change at Olympic National Forest and Olympic National Park. General Technical Report PNW-GTR-844. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station: 61–90.
- Halofsky, J.E., D.L. Peterson, M.J. Furniss, L.A. Joyce, C.I. Millar, and R.P. Neilson. 2011. A workshop approach for developing climate change adaptation strategies and actions for natural resource management agencies in the U.S. *Journal of Forestry* 109(4): 219–225.
- Halofsky, J.E., D.L. Peterson, K.A. O’Halloran, and C. Hawkins Hoffman, eds. 2011. Adapting to climate change at Olympic National Forest and Olympic National Park. General Technical Report PNW-GTR-844. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station.
- Halofsky, J.E., S. Piper, K. Aluzas, B. Howell, P. Griffin, P. Happe, K. Jenkins, C. Hawkins Hoffman, J. Lawler, M. Case, and K. Reagan. 2011. Climate change, wildlife management, and habitat management at Olympic National Forest and Olympic National Park [Chapter 7]. In: Halofsky, J.E., D.L. Peterson, K.A. O’Halloran, and C. Hawkins Hoffman, eds. Adapting to climate change at Olympic National Forest and Olympic National Park. General Technical Report PNW-GTR-844. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station: 91–118.
- Halofsky, J.E., W.S. Shelmerdine, R. Stoddard, R. Metzger, A.F. Hamlet, and C. Hawkins Hoffman. 2011. Climate change, hydrology, and road management at Olympic National Forest and Olympic National Park [Chapter 4]. In: Halofsky, J.E., D.L. Peterson, K.A. O’Halloran, and C. Hawkins Hoffman, eds.

- Adapting to climate change at Olympic National Forest and Olympic National Park. General Technical Report PNW-GTR-844. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station: 21–42.
- Mantua, N.J., R. Metzger, P. Crain, S. Brenkman, and J.E. Halofsky. 2011. Climate change, fish, and fish habitat management at Olympic National Forest and Olympic National Park [Chapter 5]. In: Halofsky, J.E., D.L. Peterson, K.A. O’Halloran, and C. Hawkins Hoffman, eds. Adapting to climate change at Olympic National Forest and Olympic National Park. General Technical Report PNW-GTR-844. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station: 43–60.
- Peterson, D.L., J.E. Halofsky, and M.C. Johnson. 2011. Managing and adapting to changing fire regimes in a warmer climate. In: McKenzie, D., C. Miller, and D. Falk, eds. The landscape ecology of fire. New York: Springer: 249–267.
- Peterson, D.L., C.I. Millar, L.A. Joyce, M.J. Furniss, J.E. Halofsky, R.P. Neilson, and T.L. Morelli. 2011. Responding to climate change in national forests: a guidebook for developing adaptation options. General Technical Report PNW-GTR-855. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station.
- Furniss, M.J., C.I. Millar, D.L. Peterson, L.A. Joyce, R.P. Neilson, and J.E. Halofsky. 2009. Adapting to climate change: a short course for land managers. General Technical Report PNW-GTR-789. Portland, OR: US Department of Agriculture, Forest Service, Pacific Northwest Research Station.
- Halofsky J.E., and D.E. Hibbs. 2009. Controls on early post-fire woody plant colonization in riparian areas. *Forest Ecology and Management* 258: 1350–1358.
- Halofsky, J.E., and D.E. Hibbs. 2009. Relationships among indices of fire severity in riparian zones. *International Journal of Wildland Fire* 18: 584–593.
- Halofsky, J.E., and D.E. Hibbs. 2008. Determinants of riparian fire severity in two Oregon fires, USA. *Canadian Journal of Forest Research* 38: 1959–1973.
- Halofsky, J.E., and L.H. McCormick. 2005. Effects of unseeded areas on species richness of coal mines reclaimed with municipal biosolids. *Restoration Ecology* 13(4): 630–638.
- Halofsky, J.E., and L.H. McCormick. 2005. Establishment and growth of experimental grass species mixtures on coal mine sites reclaimed with municipal biosolids. *Environmental Management* 35: 1–10.
- Sharpe, W.E., and J.E. Halofsky. 2004. Hay-scented fern (*Dennstaedtia punctilobula*) and sugar maple (*Acer saccharum*) seedling occurrence with varying soil acidity in Pennsylvania. In: Hix, D.M., P.C. Goebel, D.A. Yaussy, and R.P. Long, eds. Proceedings of the 14th Central Hardwoods Forest Conference. USDA Forest Service General Technical Report GTR-NE-316. Newtown Square, PA: U.S. Department of Agriculture, Forest Service, Northeastern Research Station: 265–270.

SELECTED ORAL PRESENTATIONS (OF OVER 80)

- Halofsky, J.E., and D.L. Peterson. October 2018. Beyond climate change vulnerability assessments: using climate change information in projects. Invited oral presentation for the annual meeting of ecologists, Forest Service, Pacific Northwest Region, Florence, Oregon.
- Halofsky, J.E., and D.L. Peterson. October 2018. Science-management partnerships for climate change adaptation: a Forest Service perspective. Invited oral presentation for the Northwest Climate Conference, Boise, ID.
- Halofsky, J.E., and D.L. Peterson. September 2018. Adapting natural resource management to climate change through science-management partnerships. Invited early career scientist presentation for the Mountain Climate Conference, Gothic, CO.

- Halofsky, J.E., B.J. Harvey, and D.L. Peterson. June 2018. Changing wildfire, changing forests: effects of climate change on fire regimes and vegetation in the Pacific Northwest. Invited webinar for the Climate Adaptation Science Center National Network.
- Halofsky, J.E., and D.L. Peterson. September 2017. Adapting natural resource management to climate change through science-management partnerships. Invited oral presentation for a special session on 'Adaptive spaces: can forest planning support innovative forest practice and knowledge co-creation?' at the IUFRO 125th Anniversary Congress, Freiburg, Germany.
- Halofsky, J.E., D.L. Peterson, and G. Myer. August 2017. Implementing climate-smart resource management across multiple ownerships in southwestern Oregon. Invited webinar for the North Pacific Landscape Conservation Cooperative.
- Halofsky, J.E. March 2017. Adaptation strategies for drought. Invited oral presentation for the Forest Service and Crown Managers Partnership, Improving Drought Resilience – Forest to Valley Bottom Workshop, Choteau, MT.
- Halofsky, J.E., and D.L. Peterson. March 2017. Adapting natural resource management to climate change in the Pacific Northwest. Invited oral presentation for the joint meeting of the Society of American Foresters and The Wildlife Society, Yakima, WA.
- Halofsky, J.E., and D.L. Peterson. March 2017. Adapting management of federal lands in the western United States to climate change. Invited oral presentation for an international workshop, Forests and Climate Change: Adaptation Initiatives and New Management Practices, Nancy, France.
- Halofsky, J.E. February 2017. Drought effects on west-side forests in the Pacific Northwest. Invited oral presentation for the Department of the Interior Northwest Climate Science Center, Workshop on Ecological Drought in the Pacific Northwest, Portland, OR.
- Halofsky, J.E., and D.L. Peterson. April 2016. Climate change vulnerabilities and adaptation in the Pacific Northwest. Invited oral presentation for the Department of the Interior Hydropower Licensing Workshop, Portland, OR.
- Peterson, D.L., and J.E. Halofsky. January 2016. Climate change adaptation: from concept to standard practice. Invited webinar for the North Pacific, Great Northern and Southern Rockies Landscape Conservation Cooperatives.
- Halofsky, J.E., and D.L. Peterson. October 2015. Adapting management of federal lands in the western United States to climate change. Invited oral presentation for the Mountains of Our Future Earth Conference, Perth, Scotland.
- Halofsky, J.E. and K. Metlen. September 2015. Climate change in the Rogue Basin: potential impacts on vegetation and fire. Invited webinar for the Southern Oregon Forest Restoration Collaborative.
- Halofsky, J.E., and D.L. Peterson. June 2015. Climate change adaptation on national forests in the western U.S. Invited oral presentation for the Pinchot Institute for Conservation annual board meeting, Trout Lake, WA.
- Halofsky, J.E. June 2015. Mixed-severity fire in the Klamath-Siskiyou Ecoregion. Invited oral presentation for the Gold Beach Ranger District, Rogue-Siskiyou National Forest, Gold Beach, OR.
- Halofsky, J.E., D.L. Peterson, and K.W. Marcinkowski. September 2013. Climate change adaptation in U.S. federal land and water management agencies: a synthesis. Interagency Land Management Adaptation Group, Washington, DC.

CURRENT PROFESSIONAL ACTIVITIES

- Associate Editor, Northwest Science, 2010-present
 Science Editor, Climate Change Resource Center website, 2012-2015
 Member, American Geophysical Union

GRANTS

2017 U.S. Department of the Interior, Northwest Climate Science Center, Co-PI
2017 U.S. Department of Agriculture, Climate Hubs, Co-PI
2016 National Park Service, Oregon Caves National Monument, Co-PI
2016 U.S. Department of Agriculture, Climate Hubs, Co-PI
2014 North Pacific Landscape Conservation Cooperative, Co-PI
2012 U.S. Department of the Interior, Northwest Climate Science Center, Co-PI
2009 American Recovery and Reinvestment Act Grant, PI on sub-award