

Kathleen F. Lambert

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Director, Science Policy Exchange
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Education

1985 – Radcliffe Summer Program for Women in Science (coursework), Cambridge, MA
1990 – A.B. (Sociology and Environmental Studies), Dartmouth College, Hanover, NH
1992 – M.F.S. (Masters in Forest Science – terminal degree), Yale University, School of Forestry and Environmental Studies, New Haven, CT

Honors and Awards

1986 – Ralph P. Holben Prize in Sociology, Dartmouth College
1990 – Andrew W. Mellon Research Grant
1991 – Carpenter/Sperry Research Grant
1991 – Switzer Environmental Fellowship
1992 – Leopold Schepp Fellowship
1992 – Switzer Environmental Leadership Award
1996 – Switzer Environmental Leadership Award
1999 – EPA Environmental Merit Award
2010 – Harvard University, Charles Bullard Fellow in Forest Research
2014 – Harvard University Impact Award

Positions

1991 – 1992 Yale School of Forestry and Environmental Studies – Research Assistant
1992 – 1994 Appalachian Mountain Club – Staff Scientist
1994 – 1996 Vermont Agency of Natural Resources – Staff Scientist
1996 – 2004 Hubbard Brook Research Foundation – Executive Director
2004 – 2012 Ecologic: Analysis & Communications (consultancy) – President
2008 – 2010 Dartmouth College – Sustainability Manager
2010 – 2011 Harvard Forest, Harvard University – Charles Bullard Fellow
2011 – Harvard Forest, Harvard University – Project Director, Science & Policy Integration; Director, Science Policy Exchange

Research Grants (with Harvard Forest since 2010)

Orchard Foundation: "Wildlands and Woodlands: A Vision for the New England Landscape." No Award Number, 1 year (3/1/2010 - 12/31/2010), Project Director (PD) with David R. Foster, PI

Fields Pond Foundation: "Wildlands and Woodlands: A Vision for the New England Landscape." No Award Number, 1 year (3/17/2010 - 12/31/2010), PD with David R. Foster, PI

Fine Family Foundation: "Wildlands and Woodlands: A Vision for the New England Landscape." No Award Number, 1 year (4/6/2010 - 4/5/2011), PD with David R. Foster, PI

Conservation and Research Foundation: "Wildlands and Woodlands: A Vision for the New England Landscape." No Award Number, 1 year (7/1/2010 - 6/30/2011), PD with David R. Foster, PI

National Science Foundation: "Future Scenarios: Landscape Vulnerability." DEB-1057617, 2 years (9/1/2010 - 8/31/2012), PD with David R. Foster, PI

Jessie B. Fox Charitable Foundation: "Wildlands and Woodlands New England." No Award Number, 1 year (1/1/2011 - 12/31/2011), PD with David R. Foster, PI

Highstead Foundation, Inc: "Wildlands and Woodlands. Translating the Vision into Sustained and Strategic Activities." No Award Number, 4 years cumulative of annual grants (1/1/2011 - 12/31/2014), PD with David R. Foster, PI

Great Lakes Air Deposition Program: "GLAD Mercury Science Initiative -- Synthesis, Outreach and Communication Project." No Award Number, 1 year (1/11/2011 - 12/31/2011).

Hubbard Brook Research Foundation: "Science and Policy: from Quandary to Innovation." UVM/HBRF MOU, 1 year (10/1/2011 - 9/30/2012), PD with David R. Foster, PI

Fine Fund: "Expanding the communications capacity of the Harvard Forest and the Northeast Science & Policy Consortium.", No Award Number, 1 year (3/16/2012 - 12/31/2012), PD with David R. Foster, PI

Hubbard Brook Research Foundation: "Science Policy Exchange aka Northeast Science and Policy Consortium.", HBRF/NSPC-HF 201X, 3 years cumulative of annual grants (5/1/2012 - 4/30/2015). PD with David R. Foster, PI

Jessie B Cox Charitable Fund: "The Wildlands and Woodlands Initiative: Vision to Action.", A2012-5305, 1 year (7/1/2012 - 6/30/2013), PD with David R. Foster, PI

National Science Foundation: "HFR LTER V: New Science, Synthesis, Scholarship, and Strategic Vision for Society", DEB-1237491, 6 years (1/1/2013 - 12/31/2018), PD with David R. Foster, PI

United States Department of Agriculture (USDA) Forest Service via Subcontract from Cary Institute of Ecosystem Studies Award # 3232/200201702: "Introduced Forest Insects and Pathogens: Scientific Synthesis and Policy and Management Solutions.", 2 years (6/1/2013 - 5/31/2015), PD with David R. Foster, PI

National Science Foundation: "RCN-SEES: Integrating Land-Use Scenarios, Ecosystem Services, and Linkages to Society (Scenarios, Services, and Society - S3).", DEB-1338809, 5 years (10/1/2013 - 9/30/2018), PD with David R. Foster, PI

Surdna Foundation via Subcontract from Syracuse University, Award # 27214-03548-SO1: "Green Infrastructure: Lessons from Science and Practice." 20140225, 1 year (11/1/2013 - 10/31/2014), PD with David R. Foster, PI

Hubbard Brook Research Foundation: "Wildlands and Woodlands. Translating the Vision into Sustained and Strategic Activities.", No Award Number, 1 year (12/1/2013 - 12/31/2014), PD with David R. Foster, PI

William and Flora Hewlett Foundation. Carbon Standards Co-benefits Study. Award # 2013-9458, 1 year, (12/2/2013 - 12/2/2014), PD with David R. Foster, PI

Grantham Foundation for the Protection of the Environment. Carbon Standards Co-benefits Study. 1 year (12/18/2013 - 12/17/2014), PD with David R. Foster, PI

William and Flora Hewlett Foundation. Carbon Standards Co-benefits Study. Award # 2014-1413, 1 year (8/18/2014 - 8/18/2015), PD with David R. Foster, PI.

Publications

Journal articles

Likens, G.E. and **K.F. Lambert**. 1998. The importance of long-term data in addressing regional environmental issues. *Northeastern Naturalist* 5(2):127-136.

Driscoll, C.T., G.B. Lawrence, A.J. Bulger, T.J. Butler, C.S. Cronan, C. Eagar, **K.F. Lambert**, G.E. Likens, J.L. Stoddard and K.C. Weathers. 2001. Acidic Deposition in the Northeastern United States: Sources and Inputs, Ecosystem Effects, and Management Strategies. *BioScience*. 51(3):180-198.

Driscoll, C.T., G.B. Lawrence, A.J. Bulger, T.J. Butler, C.S. Cronan, C. Eagar, **K.F. Lambert**, G.E. Likens, J.L. Stoddard, K.C. Weathers. 2002. Acid deposition explains sugar maple decline in the

east - Response from Driscoll and colleagues. *BioScience* ; 52(1). DOI: 10.1641/0006-3568(2002)052[0006:RFDAC]2.0.CO;2

Driscoll, C.T., D. Whitall, J. Aber, E. Boyer, M. Castro, C. Cronan, C. Goodale, P. Groffman, C. Hopkinson, **K.F. Lambert**, G. Lawrence, and S. Ollinger. 2003. Nitrogen Pollution in the Northeastern United States: Sources, Effects, and Management Options. *BioScience*. 53(4): 357-374.

Driscoll, C.T., Y-J. Han, C. Chen, D. Evers, **K.F. Lambert**, T. Holsen, N. Kamman, and R. Munson. 2007. Mercury Contamination in Remote Forest and Aquatic Ecosystems in the Northeastern U.S.: Sources, Transformations and Management Options. *BioScience*. 57(1):17-28.

Evers, D.C., Y-J Han, C.T. Driscoll, N.C. Kamman, M.W. Goodale, **K.F. Lambert**, T.M. Holsen, T.M. Holsen, C.Y. Chen, T.A. Clair, and T. Butler. 2007. Biological Mercury Hotspots in the Northeastern U.S. and Southeastern Canada. *BioScience*. 57(1):29-43.

Chen, C.Y., N. Serrell, D. Evers, B.J. Fleishman, **K. Lambert**, J. Weiss, R.P. Mason, and M.S. Bank. 2008. Meeting Report – Methylmercury in Marine Ecosystems: from Sources to Seafood Consumers. *Environmental Health Perspectives*. 116(12):1706-1712.

Driscoll, C.T., **K.F. Lambert**, K.C. Weathers. 2011. Integrating Science and Practice: A Case Study of the Hubbard Brook Research Foundation Science Links Program. *BioScience*. 61(10):791-801.

Lambert, K.F., D.C. Evers, K.A. Warner, S.L. King, N.E. Selin. 2012. Integrating mercury science and policy in the marine context: Challenges and opportunities. *Environmental Research* 119:132-142.

Chen, C.Y., C.T. Driscoll, **K.F. Lambert**, R.P. Mason, L.R. Rardin, N. Serrell, E.M. Sunderland. 2012. Marine mercury fate: From sources to seafood consumers. *Environmental Research* 119:1-2.

Driscoll, C.T., **K.F. Lambert**, F.S. Chapin, III, D. Nowak, T. Spies, F. Swanson, D.B. Kittredge, Jr., C.M. Hart. 2012. Science and Society: The Role of Long-Term Studies in Environmental Stewardship. *BioScience*. 62(4): 354-366.

Thompson, J.R., **K.F. Lambert**, D.R. Foster, E.N. Broadbent, M. Blumstein, A.M. Almeyda Zambrano, Y. Fan. Scenarios, Services, and Society: A case study of stakeholder-defined land use scenarios and their consequences in Massachusetts, USA. *In review*.

C.T. Driscoll, J. Buonocore, J. Levy, **K.F. Lambert**, D. Burtraw, S.B. Reid, H. Fakhraei, J. Schwartz. 2015. U.S. Power Plant Carbon Standards and Clean Air Co-benefits. *Nature Climate Change*. Published online 4 MAY 2015. DOI: 10.1038/NCLIMATE2598.

Book chapters, Technical reports, popular articles, editorials, and conference proceedings (generally not peer-reviewed)

Lambert, K.F. 1998. Ecosystem Science: understanding nature's complexity--guiding society's problem-solving. A summary of the 1997 Cary Conference. Institute of Ecosystem Studies. Millbrook, NY.

Driscoll, C.T., G.B. Lawrence, A.J. Bulger, T.J. Butler, C.S. Cronan, C. Eagar, **K.F. Lambert**, G.E. Likens, J.L. Stoddard and K.C. Weathers. 2001. Acid Rain Revisited: advances in scientific understanding since the passage of the 1970 and 1990 Clean Air Act Amendments. Hubbard Brook Research Foundation. Science Links Publication. Vol.1, no.1.

Driscoll, C.T., D. Whitall, J. Aber, E. Boyer, M. Castro, C. Cronan, C. Goodale, P. Groffman, C. Hopkinson, **K.F. Lambert**, G. Lawrence, and S. Ollinger. 2003. Nitrogen Pollution: from the Sources to the Sea. Hubbard Brook Research Foundation. Science Links Publication vol. 1, no. 2.

C.T. Driscoll, G.B. Lawrence, A.J. Bulger, T.J. Butler, C.S. Cronan, C. Eagar, **K.F. Lambert**, G.E. Likens, J.L. Stoddard, K.C. Weathers. 2004. Acidic deposition in the northeastern United States: Sources and inputs, ecosystem effects and management strategies. Boreal Shield Watersheds. Lake Trout Ecosystems in a Changing Environment, Edited by J.M. Gunn, R.J. Steedman, R.A. Ryder, 01/2004: chapter 10: pages 159-190; Lewis Publishers., ISBN: 1-56670-646-7.

Driscoll, C. T., **K. F. Lambert**, and L. Chen. 2005. Acidic deposition: Sources and effects. In M. G. Anderson (ed.), Encyclopedia of Hydrological Sciences. John Wiley & Sons, Ltd., Chichester, England, p. 1441-1457.

Multi-Agency Critical Loads Workshop Report. 2006. Prepared for ICF International by **K.F. Lambert**. Contract No. EPA 68-W-03-02. 59 pp.

Levitt, J.N. and **K.F. Lambert**. 2006. Report on the Wildlands and Woodlands Conservation Finance Roundtable. A research publication of the Program on Conservation Innovation, Harvard Forest, Harvard University. 57 pp.

Driscoll, C.T., **K.F. Lambert**, Y-J Han, C.T. Driscoll, N.C. Kamman, M.W. Goodale, K.F. Lambert, T.M. Holsen, T.M. Holsen, C.Y. Chen, T.A. Clair, and T. Butler. 2007. Mercury Matters: Linking Mercury Science with Public Policy in the Northeastern United States. Hubbard Brook Research Foundation. Science Links Publication, vol. 1, no. 3.

C.T. Driscoll, **K.F. Lambert**, L. Chen. Acidic deposition: sources and ecological effects. Pages. 27-58. In: Acid in the Environment. Springer US.

U.S. EPA. Integrated Science Assessment (ISA) for Oxides of Nitrogen and Sulfur Ecological Criteria (Final Report). U.S. Environmental Protection Agency, Washington, DC, EPA/600/R-08/082F, 2008. (co-author).

Negra, C. and **K.F. Lambert**. 2008. MercNet: Establishing a Comprehensive National Mercury Monitoring Network. U.S. EPA Workshop Report. 38 pages.

D.R. Foster, B. M. Donahue, D.B. Kittredge, **K.F. Lambert**, M.L. Hunter, B.R. Hall, L.C. Irland, R. J. Lilieholm, D.A. Orwig, A.W. D'Amato, E.A. Colburn, J.R. Thompson, J.N. Levitt, A.M. Ellison, W.S. Keeton, J.D. Aber, C.V. Cogbill, C.T. Driscoll, T.J. Fahey, C.M. Hart. 2010. Wildlands and Woodlands: A Vision for the New England Landscape. Harvard Forest, Harvard University. 36 pp.

Evers, D.C., Wiener, J.G., Driscoll, C.T., Gay, D.A., Basu, N., Monson, B.A., **Lambert, K.F.**, Morrison, H.A., Morgan, J.T., Williams, K.A., Soehl, A.G. 2011. Great Lakes Mercury Connections: The Extent and Effects of Mercury Pollution in the Great Lakes Region. Biodiversity Research Institute. Gorham, Maine. Report BRI 2011-18. 44 pages.

M.E. Fenn, **K.F. Lambert**, T.F. Blett, D.A. Burns, L.H. Pardo, G.M. Lovett, R.A. Haeuber, D.C. Evers, C.T. Driscoll, and D.S. Jeffries. 2011. Setting Limits: Using Air Pollution Thresholds to Protect and Restore U.S. Ecosystems. Issues in Ecology.

L. Rustad, J. Campbell, J.S. Dukes, T. Huntington, **K.F. Lambert**, J. Mohan, N. Rodenhouse. 2012. Changing climate, changing forests: The impacts of climate change on forests of the northeastern United States and eastern Canada. Gen. Tech. Rep. NRS-99. Newtown Square, PA: U.S. Department of Agriculture, Forest Service, Northern Research Station. 48 p.

Chen, C.Y., C.T. Driscoll, **K.F. Lambert**, R.P. Mason, L.R. Rardin, C.V. Schmitt, N.S. Serrell, and E.M. Sunderland. 2012. Sources to Seafood: Mercury Pollution in the Marine Environment. Hanover, NH: Toxic Metals Superfund Research Program, Dartmouth College.

Thompson, J. R., **K.F. Lambert**, D.R. Foster, Blumstein, M., Broadbent, E. Zambrano, A.A. 2014. Changes to the Land: Four Scenarios for the Future of the Massachusetts Landscape. Harvard Forest, Harvard University. 38 pp.

Driscoll, C.T, Buonocore, J., Reid, S., Fakhraei, H, and **Lambert, K.F.** 2014. Co-benefits of Carbon Standards Part 1: Air Pollution Changes under Different 111d Options for Existing Power Plants. Syracuse University, Syracuse, NY and Harvard University, Cambridge, MA. A report of the Science Policy Exchange. 34 pp.

Schwartz, J., J. Buonocore, J. Levy, C. Driscoll, **K.F. Lambert**, S. Reid. 2014. Health Co-benefits of Carbon Standards for Existing Power Plants. Part 2 of the Co-Benefits of Carbon Standards

Study. Harvard University, Cambridge, MA; Syracuse University, Syracuse, NY; Boston University, Boston, MA. A report of the Science Policy Exchange. 34 pages.

Foster, D., D. Kittredge, B. Donahue, **K.F. Lambert**, C. Hart, and J.N. Levitt. 2014. The Wildlands and Woodlands Initiative of the Harvard Forest, Harvard University. Pp 3-30 in: Conservation Catalysts: The Academy as Nature's Agent. Edited by J.N. Levitt. 350 pp.

Abstracts and Conference Papers

Driscoll, C.T., **K.F. Lambert**, F.S. Chapin, C.M. Hart, D.B. Kittredge, D.J. Nowak, T.A. Spies, F. J. Swanson. Conference Abstract: Integrating science and society: the role of long-term studies in environmental stewardship and policy. 96th ESA Annual Convention 2011.

K.F. Lambert, C. Hart, D.R. Foster. Wildlands and Woodlands research: Conservation impact from local parks to Capitol Hill. 96th ESA Annual Convention 2011.

J.R. Thompson, **K.F. Lambert**, D.R. Foster. Collaborating with stakeholders to define land-use scenarios that inform landscape simulations in Massachusetts, USA. 97th ESA Annual Convention 2012.

E.N. Broadbent, A.M. Almeyda Zambrano, M.J. Blumstein, E. Strombom, **K.F. Lambert**, J.R. Thompson. Prescient thinking and the future of ecosystem services in New England. 98th ESA Annual Convention 2013.

C. Hart, M. Thomas, J.E. Doll, M. Nation, **K.F. Lambert**, S. Dailey. It takes a village to talk science: Science communications tools for administrators and educators. 98th ESA Annual Convention 2013.

J.R. Thompson and **K.F. Lambert**. Scenarios, services, and society: Stakeholder-defined land use scenarios and their consequences in Massachusetts, USA. 99th ESA Annual Convention 2014.

Presentations and Seminars (examples)

Future Scenarios of Forest Change: Leadership Dialogue with US Forest Service. March 2, 2011. National Committee on Science and the Environment. Washington, DC.

Future Scenarios of Forest Change: Leadership Dialogue. March 2, 2011. Heinz Center for Science, Economics, and the Environment. Washington, DC.

Briefing for U.S. Environmental Protection Agency staff. Nov. 29, 2012. Sources to Seafood: Mercury in the Marine Environment. Truman Building, Washington DC.

Briefing for NOAA staff. Nov. 29, 2012. Sources to Seafood: Mercury in the Marine Environment. Truman Building, Washington DC.

Briefing for U.S. Department of State staff, Nov. 29, 2012. Sources to Seafood: Mercury in the Marine Environment. Truman Building, Washington DC.

Briefing for Congressional staff, Nov. 29, 2012. Sources to Seafood: Mercury in the Marine Environment. Truman Building, Washington DC.

Briefing for U.S. Department of State staff, May 15, 2013. Strengthening the Science Policy Interface. Truman Building, Washington DC.

Plenary: Hubbard Brook Ecosystem Study 50th anniversary. July 9, 2013. "Herb Talk" in honor of F. Herbert Bormann. Hubbard Brook Experimental Forest, West Thornton, NH.

Regional Conservation Partnership Gathering, Nov. 13, 2013. Changes to the Land: Insights for Conservation. Concord, NH.

Briefings for members of Massachusetts General Assembly. Nov. 20, 2013. Changes to the Land: Insights for Policymakers. Boston, MA.

Press Conference: Changes to the Land: Four Scenarios for the Future of the Massachusetts Landscape. Official release of report. Dec. 8, 2013. Harvard Kennedy School of Government, Cambridge, MA.

Press Conference: Changes to the Land: Four Scenarios for the Future of the Massachusetts Landscape. Dec. 9, 2013. Official release of report. Springfield Science Museum, Springfield, MA.

Plenary: LTER Mini-Symposium - Scenarios and Ecosystem Forecasting. Feb. 21, 2014. Changes to the Land: Four Scenarios for the Future of the Massachusetts Landscape. Arlington, VA.

Press Teleconference. May 27, 2014. Clean Air Co-benefits for Carbon Standards for Existing Powerplants.

Webinar for the American Lung Association. May 29, 2014. Air Quality Co-benefits of Carbon Standards for Existing Powerplants.

Briefing for the National Association of Clean Air Agencies. June 11, 2014. Clean Air and Health Co-benefits for Carbon Standards for Existing Powerplants.

Briefing for the White House Council on Environmental Quality staff. July 2, 2014. Clean Air and Health Co-benefits for Carbon Standards for Existing Powerplants.

Briefing for U.S. Environmental Protection Agency Research staff. July 14, 2014. Air Quality Co-benefits of Carbon Standards for Existing Powerplants.

Briefing for staff at White House Domestic Policy Council and Council of Economic Advisors. Sept. 24, 2014. Clean Air and Health Co-benefits for Carbon Standards for Existing Powerplants.

Land Trust Alliance Rally. Sept. 20, 2014. Changes to the Land: Results and Application to Conservation and Policy. Providence, RI.

Briefing for Congressional Staff. Sept. 24, 2014. Clean Air and Health Co-benefits for Carbon Standards for Existing Powerplants.

Press Teleconference. Sept. 29, 2014. Clean Air and Health Co-benefits for Carbon Standards for Existing Powerplants.

Briefing for American Lung Association. Sept. 30, 2014. Clean Air and Health Co-benefits for Carbon Standards for Existing Powerplants.

Professional and Community Service

Biodiversity Research Institute – Board member (2008-2010)

NSF LTER Program Ad Hoc Communication Committee (2010)

Highstead – Board member (2010-present)

NEON Education Committee – Domain Science and Education Coordination Committee (2010 – present)