

CURRICULUM VITAE

ELENA M. BENNETT

Department of Natural Resource Sciences and McGill School of Environment, McGill University,
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RESEARCH INTERESTS:

Sustainable use and management of ecosystem services; multi-functional landscapes; human impacts on biogeochemical cycles; management of tradeoffs among ecosystem services, especially agricultural production and water quality; land use change and water quality; urban ecology; communicating science; scenarios;

EDUCATION:

University of Wisconsin (1999-2002)
Ph.D., Limnology and Marine Sciences
Advisor: Dr. Stephen R. Carpenter

University of Wisconsin (1996-1999)
M.Sc., Land Resources
Advisor: Dr. Stephen R. Carpenter

Oberlin College (1990-1994)
B.A. Cum Laude, Biology and Environmental Studies, Minor in Chemistry
Advisors: Dr. David W. Orr and Dr. Roger H. Laushman

ACADEMIC APPOINTMENTS:

ASSOCIATE PROFESSOR, *McGill University*, Montreal, QC, Canada (6/2012 - present)
Jointly appointed in the McGill School of Environment and the Department of Natural Resource Sciences.

ASSISTANT PROFESSOR, *McGill University*, Montreal, QC, Canada (6/2005 – 6/2012)
Jointly appointed in the McGill School of Environment and the Department of Natural Resource Sciences. [On maternity leave September 2007 to September 2008, July 2009 to April 2010.]

POSTDOCTORAL RESEARCHER, *University of Wisconsin*, Madison, WI (1/2002 – 5/2005)
Technical and scientific support for the Millennium Ecosystem Assessment scenarios working group.

PUBLICATIONS:

Lifetime Summary (to date)

- a) H-index: 20 (ISI), 32 (Google Scholar)
- b) Papers in Refereed Journals (55)
- c) Papers in Press (3)
- d) Papers currently being reviewed (11)
- e) Chapters in books - refereed (19)
- f) Non-Peer Reviewed Publications (14)

SCIENTIFIC PUBLICATIONS (students in my lab are underlined)

In print

- 55. **Bennett, E. M.**, W. Cramer, A. Begossi, G. Cundill, B. Egoh, I. R. Geijzendorffer, C. B. Krug, S. Lavorel, L. Lebel, B. Martin-Lopez, P. Meyfroidt, H. A. Mooney, J. L. Nel, U. Pascual, K. Payet, N. Perez Harguindeguy, G. D. Peterson, A-H., Prieur-Richard, B. Reyers, P. Roebeling, R. Seppelt, M. Solan, P. Tschakert, T. Tschntke, B. L. Turner, P. H. Verburg, E. Viglizzo, P. C.L. White, and G. Woodward. Linking biodiversity, ecosystem services and human well-being for sustainability: Three Challenges for designing research for sustainability. *Current Opinion in Environmental Sustainability* 14:76-85.
- 54. Metson, G. S. and **E. M. Bennett**. 2015. Phosphorus cycling in Montreal's food system and through urban agriculture. *Plos ONE*. DOI:10.1371/journal.pone.0120726
- 53. Steffen, W., K. Richardson, J. Rockström, S. Cornell, I. Fetzer, **E. M. Bennett**, R. Biggs, S. Carpenter, W. de Vries, C. A. de Wit, D. Gerten, J. Heinke, C. Folke, G. Mace, L. M. Persson, V. Ramanathan, B. Reyers, S. Sörlin. 2015. Planetary Boundaries: Guiding human development on a changing planet. *Science* 347: 736 -
- 52. Metson, GS, D. M. Iwaniec, L. Baker, **E. M. Bennett**, D. L. Childers, D. Cordell, N. B. Grimm, J. M. Grove, D. Nidzgorski, and S. White. 2015. Urban phosphorus sustainability: Systemically incorporating social, ecological, and technological factors into phosphorus flow analysis *Environmental Science and Policy* 47: 1-11.
- 51. Maguire, D. Y., T. Nicole, C. Buddle, and **E. M. Bennett**. 2015. Effect of fragmentation on predation pressure of insect herbivores in a north temperate deciduous forest ecosystem. *Ecological Entomology*.
- 50. Terrado, M, R Tauler, and **E. M. Bennett**. 2014. Local and landscape factors influence the effects of riparian vegetation on hydrological ecosystem services in an agroecosystem (Montérégie, Qc). *Regional Environmental Change*.
- 49. **E. M. Bennett**, S. R. Carpenter, L. Gordon, N. Ramankutty, P. Balvanera, B. Campbell, W. Cramer, J. Foley, C. Folke, L. Karlberg, J. Lui, H. Lotze-Campen, N. Mueller, G.D. Peterson, S. Polasky, J. Rockstrom, R. J. Scholes, and M. Spirenborg. 2014. Toward a more resilient agriculture. *Solutions* 5(5): 65-75.
- 48. Halbe, J., J. Adamowski, **E.M. Bennett**, C. Pahl-Wostl, K. Farahbakhsh. 2014. Functional Organization Analysis for the Design of Sustainable Engineering Systems. *Ecological Engineering* 73: 80-91.
- 47. Ziter, C., A. Gonzalez, and **E. M. Bennett**. 2014. Temperate forest fragments maintain aboveground carbon stocks out to the forest edge despite changes in community

- composition. *Oecologia* 176: 893-902
46. J. D. Anadón, O E. Sala, B. L. Turner, **E. M. Bennett**. 2014. The effect of woody plant encroachment on livestock production: a comparison of North and South America. *Proceedings of the National Academy of Sciences*.
 45. Mitchell, M. G. E., **E. M. Bennett**, and A. Gonzalez. 2014. Agricultural landscape structure affects arthropod diversity and arthropod-derived ecosystem services. *Agriculture, Ecosystems, and Environment* 192: 144-151
 44. Mitchell, M. G. E., **E. M. Bennett**, and A. Gonzalez. 2014. Forest fragments modulate the provision of multiple ecosystem services in an agricultural landscape. *Journal of Applied Ecology* 51: 909-918.
 43. Felipe-Lucia, M. R., F. A. Comin, and **E. M. Bennett**. 2014. Interactions among ecosystem services across land uses in a floodplain agroecosystem. *Ecology and Society* 19 (1): 20. URL: <http://www.ecologyandsociety.org/vol19/iss1/art20/>
 42. Villamagna, A. M., P. L. Angermeier, and **E.M. Bennett**. 2013. Capacity, pressure, demand, and flow: A conceptual framework for analyzing ecosystem service delivery. *Ecological Complexity* 15: 114–121.
 41. Ziter, C., A. Gonzalez, and **E. M. Bennett**. 2013. Functional diversity and management mediate carbon storage in small forest fragments. *Ecosphere* 4(7): 85
 40. Liss, K.N., M.G.E. Mitchell, G. K. MacDonald, S. Mahajan, J. Méthot, A. L. Jacob, D. Maguire, G. Metson, C. Ziter, K. Dancose, K. Martins, M. Terrado, and **E. M Bennett**. 2013. Variability in ecosystem service measurement: A case study of pollination service studies. *Frontiers in Ecology and Environment*. 11: 414–422
 39. M.G. E. Mitchell, **E. M. Bennett**, and A. Gonzalez. 2013. Linking landscape connectivity and ecosystem service provision: current knowledge and research gaps. *Ecosystems* 16: 894-908.
- Recommended by Faculty of 1000¹: “Good for teaching. This paper may promote current attention to be turned from single ecosystems to the relationship between landscape and ES.”
38. Riskin, S. S. Porder, M. Schipanski, **E. M. Bennett**, and C. Neill. 2013. Regional differences in phosphorus budgets in intensive soybean agriculture. *BioScience* 63: 49-54.
 37. G. Metson, **E. M. Bennett**, and J. Elser. 2012. The effect of diet on P demand. *Environmental Research Letters* 7 (4): 044043.
 36. MacDonald, G. K., **E. M. Bennett**, and S. R. Carpenter. 2012. Embodied phosphorus and the global connections of United States agriculture. *Environmental Research Letters* 7: 1-13.
 35. Schipanski, M., and **E. M. Bennett**. 2012. The influence of trade and livestock production on the global P cycle. *Ecosystems* 15 (2): 256-268
 34. MacDonald, G. K., **E. M. Bennett**, and Z. E. Taranu. 2012. The influence of time, soil characteristics, and land-use history on soil phosphorus legacies: a global meta-analysis. *Global Change Biology* 18 (6): 1904-1917.
 33. Shaw Charibi, V.L., **E. M. Bennett**, and I. Gregory-Eaves. 2011. Conservation of a transboundary lake: Historical watershed and paleolimnological analyses can inform management strategies. *Lake and Reservoir Management* 27: 355-364.

¹ Faculty of 1000 is a select group of highly respected scientists in the biomedical sciences who publish short evaluations of top papers.

32. J. A. Foley, N. Ramankutty, K. A. Brauman, E. S. Cassidy, J.S. Gerber, M. Johnston, N. D. Mueller, C. O'Connell, D. K. Ray, P. C. West, C. Balzer, **E. M. Bennett**, S. R. Carpenter, J. Hill, C. Monfreda, S. Polasky, J. Rockström, J. Sheehan, S. Siebert, D. Tilman, and David P.M. Zaks. 2011. Solutions for a cultivated planet. *Nature* 478: 337-42.
Recommended by Faculty of 1000: "Balancing sustainability and sufficiency of food production is a massive challenge and this article attempts to project the path for achieving this."
31. L. R. Pfeifer and **E. M. Bennett**. 2011. Environmental and social predictors of phosphorus in urban streams on the island of Montreal. *Urban Ecosystems* 14 (3): 485.
30. Carpenter, S. R. and **E. M. Bennett**. 2011. Reconsideration of the planetary boundary for phosphorus. *Environmental Research Letters* 6: 1, doi:10.1088/1748-9326/6/1/014009
Selected to appear in the Highlights of 2011 from *Environmental Research Letters* for "its particular significance to the field, multidisciplinary interest and scientific impact".
29. MacDonald, G. K., E. M. Bennett, N. Ramankutty, and P. Potter. 2011. Too much or not enough: Agronomic phosphorus balances across the world's croplands. *Proceedings of the National Academy of Sciences* 108 (7): 3086-3091.
Recommended by Faculty of 1000: "Their maps will provide an essential input to upcoming environmental and agricultural assessments, and can be used to start resolving the imbalances by a more efficient use of P fertilizers and more effective recycling of manure P."
28. Keatley, B.E., **E. M. Bennett**, G. K. MacDonald, Z. Taranu, and I. Gregory-Eaves. 2011. Is there evidence of a Great Acceleration in lake eutrophication? *PLoS ONE* 6(1): e15913. doi:10.1371/journal.pone.0015913.
27. Albert, M. R., G. Chen, G. K. MacDonald, J. Vermaire, **E. M. Bennett**, and I. Gregory-Eaves. 2010. Phosphorus and land-use changes are significant drivers of Cladoceran community composition and diversity: An analysis over spatial and temporal scales. *Canadian Journal of Fisheries and Aquatic Sciences* 67: 1262–1273.
26. Pace, M.L., S.E. Hampton, K. A. Limburg, **E. M. Bennett**, E. M. Cook, A. E. Davis, J. M. Grove, K. Y. Kaneshiro, S. L. LaDeau, G. E. Likens, D. McKnight, D. C. Richardson, D. L. Strayer. 2010. Individual Ecologists: Opportunities and Rewards for Engaging with Environmental Issues. *Frontiers in Ecology and Environment* 8(6): 292-298.
25. Raudsepp-Hearne, C. M. Tengo*, G. D. Peterson, **E. M. Bennett**, T. Holland, K. Benessaiah, G. K. MacDonald, L. Pfeifer. 2010. Untangling the environmentalist's paradox: Why is human well-being increasing as ecosystem services degrade? *BioScience* 60 (8): 576-589.
24. Potter, P., N. Ramankutty, **E. M. Bennett**, and S. D. Donner. 2010. Characterizing the spatial patterns of global fertilizer application and manure production. *Earth Interactions* 14(2) DOI: 10.1175/2009EI288.1.
23. Raudsepp-Hearne, C., G. D. Peterson, **E. M. Bennett**. 2010. Ecosystem service bundles for analyzing trade-offs in diverse landscapes. *Proceedings of the National Academy of Sciences* 107: 5242-7.
Recommended by Faculty of 1000: "I liked this paper because it is a relatively comprehensive analysis of trade-offs among the delivery of multiple ES within a specific region."
22. **E. M. Bennett**, G. D. Peterson, and L. Gordon. 2009. Understanding relationships among multiple ecosystem services. *Ecology Letters* 12: 1-11.

21. MacDonald, G. K. and **E. M. Bennett**. 2009. Phosphorus accumulation in the Saint Lawrence River watershed: A century-long perspective. *Ecosystems* 12: 621-635.
20. **E.M. Bennett**, S. R. Carpenter, and J. A. Cardille. 2008. Estimating the risk of exceeding thresholds in environmental systems. *Water, Air, and Soil Pollution* 191: 131-138.
19. Gordon, L., G. D. Peterson, and **E. M. Bennett**. 2008. Agricultural modifications of hydrological flows create ecological surprises. *Trends in Ecology and Evolution* 23: 211-219. Recommended by Faculty of 1000: "This article offers one of the best summaries ... of potential regime shifts and non-linearities resulting from broad-scale agricultural impacts in river basins."
18. **E. M. Bennett** and P. A. Balvanera. 2007. The future of production systems: Challenges and opportunities in a globalized world. *Frontiers in Ecology and the Environment* 5: 191-198.
17. S. Cork, G. Petschel-Held, G. D. Peterson, **E. M. Bennett**, and M. Zurek. 2006. Synthesis of the storylines. *Ecology and Society*: 11 (2) [online] URL: <http://www.ecologyandsociety.org/vol11/iss2/art11/>
16. G. Nelson, **E. M. Bennett**, A. A. Berhe, K. Cassman, R. DeFries, T. Dietz, A. Dobson, A. Dobermann, A. Janetos, M. Levy, D. Marco, N. Nakicenovic, B. O'Neill, R. Norgaard, G. Petschel-Held, D. Ojima, P. Pingali, R. Watson, M. Zurek. 2006. Anthropogenic drivers of ecosystem change: An overview. *Ecology and Society* 11: (1) 29. [online] URL: <http://www.ecologyandsociety.org/vol11/iss2/art29/>
15. S. R. Carpenter, **E.M. Bennett**, and G. D. Peterson. 2006. Scenarios for ecosystem services: An overview (All authors contributed equally to this paper) *Ecology and Society* 11 (1): 29. [online] URL: <http://www.ecologyandsociety.org/vol11/iss1/art29/>
14. Carpenter, S. R., **E. M. Bennett**, and G. D. Peterson 2006. Editorial: Special feature on scenarios for ecosystem services. *Ecology and Society* 11 (2): 32. [online] URL: <http://www.ecologyandsociety.org/vol11/iss2/art32/>
13. J. P. Rodriguez, J. Agard, T. D. Beard, Jr., **E. M. Bennett** S. Cork; G. C. Cumming; A. P. Dobson; G. D. Peterson. 2006. Trade-offs across space, time and ecosystem services. *Ecology and Society* 11 (1): 28. [online] URL: <http://www.ecologyandsociety.org/vol11/iss1/art28/>.
12. **Bennett, E.M.**, G. Cumming, and G. D. Peterson. 2005. A Systems model approach to determining resilience surrogates for case studies. *Ecosystems* 8: 945-957.
11. Cumming, G.S., J. Alcamo, O. Sala, R. Swart, **E. M. Bennett**, and M. Zurek. 2005. Are existing global scenarios consistent with ecological feedbacks? *Ecosystems* 8: 143-152.
10. **Bennett, E. M.**, G. D. Peterson, and E. Levitt. 2005. Looking to the future of ecosystem services: Introduction to the Special Feature on scenarios. *Ecosystems* 8: 125-132.
9. **Bennett, E. M.**, S. R. Carpenter, and M. Clayton. 2004. Soil phosphorus variability: Scale-dependency in an urbanizing agricultural landscape. *Landscape Ecology* 20: 389-400.
8. Gergel, S. E., **E. M. Bennett**, B. K. Greenfield, C. Overdeest, and B. Stumborg. 2004. A test of the Environmental Kuznets Curve using long-term watershed inputs. *Ecological Applications* 14: 555-570.
7. Pauly, D., J. Alder, **E. M. Bennett**, V. Christensen, P. Tyedmers, and R. Watson. 2003. World fisheries: the next 50 years. *Science* 302: 1359-1360.
6. **Bennett, E. M.** 2003. Soil P concentrations across an urban-rural gradient in Dane County, Wisconsin. *Environmental Management* 32: 476-488.

5. **Bennett, E. M.**, S. R. Carpenter, M. Zurek, P. Pingali, G. D. Peterson, and G. C. Cumming. 2003. Why global scenarios need ecology. *Frontiers in Ecology and Environment* 1: 322-329.
4. Peterson, G. D., T. D. Beard, B. E. Beisner, **E. M. Bennett**, S. R. Carpenter, G. Cumming, C. L. Dent, and T. D. Havlicek. 2003. Assessing future ecosystem services: A case study of the Northern Highland Lake District, Wisconsin. *Conservation Ecology*. <http://www.ecologyandsociety.org/vol7/iss3/art1/index.html>
3. **Bennett, E. M.**, S. R. Carpenter, and N. Caraco. 2001. Human impact on erodable phosphorus and eutrophication: a global perspective. *BioScience* 51: 227-234.
2. Reed-Andersen, T., **E. M. Bennett**, B. S. Jorgensen, G. Lauster, D. B. Lewis, D. Nowacek, J. L. Riera, B. L. Sanderson and R. Stedman. 2000. Distribution of recreational boating across lakes: Do landscape variables affect recreational use? *Freshwater Biology* 41:1-10.
1. **Bennett, E. M.**, T. Reed, J. N. Houser, J. R. Gabriel, and S. R. Carpenter. 1999. A phosphorus budget for the Lake Mendota watershed. *Ecosystems* 2: 69-75.

In press

1. Chaplin-Kramer, R., **E. M. Bennett**, B. Robinson, G. Daily, K. Brauman, P. West. Chapter 4: Determining the value of ecosystem services in agriculture.
2. Maguire, D.Y., James, P.M.A., Buddle, C.M., and **E.M. Bennett**. In press. Landscape connectivity and insect herbivory: A framework for understanding tradeoffs among ecosystem services. *Global Ecology and Conservation*.
3. Fischer, J., T. Gardner, **E. M. Bennett**, P. Balvanera, R. Biggs, S.R. Carpenter, T. Daw, C. Folke, T. Hughes, T. Luthé, M. Meacham, A. Norström, G.D. Peterson, C. Queiroz, R. Seppelt, M. Spierenburg, J. Tenhunen. Advancing sustainability via the concept of social-ecological systems. *Current Opinion in Environmental Sustainability*.

Peer-reviewed reports, books, and book chapters

20. V. Dakos, A. Quinlan, J. Baggio, **E. M. Bennett**, S. BurnSilver. 2015. Chapter 4: Principle 2 – Manage Connectivity *In Principles for Building Resilience: Sustaining Ecosystem Services in Social–Ecological Systems*, Eds R. Biggs, M. Schlüter and M. L. Schoon. Cambridge University Press.
19. H. Wheeler, **et al.** 2013. Water and agriculture in Canada: Toward sustainable management of resources. Council of Canadian Academies. Ottawa, Ontario, Canada.
18. **Bennett, E. M.** and M. Schipanski. 2012. The Phosphorus Cycle. In K. Weathers, D. Strayer, and G. Likens, Eds. *Fundamentals of Ecosystem Science*. Elsevier Publishers.
17. Raudsepp-Hearne, C., J. Ranganathan, N. Ash, **E. Bennett**, L. Burke, E. Cooper, C. Hanson, C. Iceland. 2008. Chapter 3: Assessing risks and opportunities related to ecosystem services. P. 29-44 in J. Ranganathan, C. Raudsepp-Hearne, N. Lucas, F. Irwin, M. Zurek, K. Bennett, N. Ash, and P. West, editors. *Ecosystem Services: A Guide for Decision-Makers*. Washington DC: World Resources Institute.
16. Lebel, L. and **E. M. Bennett**. 2008. Participation in building regional scenarios. In G. Cumming and J. Norberg, Eds, *Complexity Theory for a Sustainable Future*. New York: Columbia Press.
15. B. Eickhout, K. Kok, C. Raudsepp-Hearne, T. Ribeiro, D. van Vuuren, A. Volkery, **E. Bennett**,

- R. Biggs and G. Cundill. In *Ecosystems and Human Well-Being a Manual for Assessment Practitioners*. UNEP-WCMC.
14. **E.M. Bennett** and M. Zurek. Integrating epistemologies through scenarios. 2006. p. 275-293. In W. Reid, F. Berkes, T. Wilbanks, and D. Capistrano, Eds. *Bridging Scales and Epistemologies: Linking Local Knowledge and Global Science in Environmental Assessments*. Island Press.
 13. Carpenter, S. R., D. E. Armstrong, **E. M. Bennett**, K. Braiser, B. Kahn, R. C. Lathrop, P. Nowak and T. Reed-Andersen. 2005. The ongoing experiment: Restoration of Lake Mendota. In *Lakes in Landscapes*, J. J. Magnuson and T. K. Kratz (Eds).
 12. Lebel, L., P. Thongbai, K. Kok, **E. M. Bennett**, W. Mala, J. Agard, R. Biggs, C. Rumsey, Y. Gokhale, M. Zurek, C. Filer, S. J. Velarde, M. Ferreira.. Sub-global scenarios. In *Millennium Ecosystem Assessment: Multi-scale Assessments*. Washington, D.C.: Island Press.
 11. Nakicenovic, N., J. McGlade, S. Ma, J. Alcamo, **E. M. Bennett**, W. Cramer, J. Robinson, F. L. Toth, and M. Zurek. 2005. Ch12. Synthesis: Lessons learned for scenario analysis. In *Millennium Ecosystem Assessment. Scenarios for the Future of Ecosystem Services*. Washington, D.C.: Island Press.
 10. Rodríguez,, J. P., T. Douglas Beard, Jr., J. Agard, **E. M. Bennett**, S. Cork, G. C. Cumming, D. Deane, A. P. Dobson, D.M. Lodge, M. Mutale, G. Nelson, G. D. Peterson, and T. Ribeiro. 2005. Ch.11. Interactions among ecosystem services. In *Millennium Ecosystem Assessment. Scenarios for the Future of Ecosystem Services*. Washington, D.C.: Island Press.
 9. Alcamo, J., D. van Vuuren, W. Cramer, J. Alder, **E. M. Bennett**, S. R. Carpenter, J. A. Foley, M. Maerker, T. Masui, T. Morita, B. O'Neill, G. D. Peterson, C. Ringler, M. Rosegrant, and K. Schulze. 2005. Ch. 9. Changes in Provisioning and Regulating Ecosystem Goods and Services and their Drivers Across the Scenarios. In *Millennium Ecosystem Assessment. Scenarios for the Future of Ecosystem Services*. Washington, D.C.: Island Press.
 8. S. Cork, G. Peterson and G. Petschel-Held, J. Alcamo, J. Alder, **E. M. Bennett**, E. Carr, D. Deane, G. Nelson, and T. Ribeiro. 2005. Ch. 8 Four Scenarios. In *Millennium Ecosystem Assessment. Scenarios for the Future of Ecosystem Services*. Washington, D.C.: Island Press.
 7. **Bennett, E.M.** and A. Dobermann. 2005. Plant nutrient use, a section in G. C. Nelson et al. Ch.7. Drivers of change in ecosystem condition and services. In *Millennium Ecosystem Assessment. Scenarios for the Future of Ecosystem Services*. Washington, D.C.: Island Press.
 6. Alcamo, J. D. van Vuuren, M. Rosegrant, J. Alder, **E. M. Bennett**, D. Lodge, T. Masui, T. Morita, C. Ringler, O. Sala, K. Schulze, M. Zurek, B. Eickhout, M. Maerker, and K. Kok. 2005. Methodology for developing the Millennium Ecosystem Assessment scenarios. In *Millennium Ecosystem Assessment. Scenarios for the Future of Ecosystem Services*. Washington, D.C.: Island Press.
 5. **Bennett, E. M.**, and S. R. Carpenter. 2005. Forecasting changes in phosphorus cycling and impacts on water quality, a section in P. Kareiva et al., Ch.4. State of the art in describing future changes in ecosystem services. In *Millennium Ecosystem Assessment. Scenarios for the Future of Ecosystem Services*. Island Press, Washington, D.C.
 4. **Bennett, E.M.**, S. R. Carpenter, S. Cork, G. D. Peterson, G. Petschel-Held, T. Ribeiro, and M. Zurek. 2005. Ch.5. Scenarios for ecosystem services: Rationale and overview. In *Millennium Ecosystem Assessment. Scenarios for the Future of Ecosystem Services*. Island Press, Washington, D.C.

3. S. R. Carpenter, **E. M. Bennett**, M. Zurek, and P. Pingali, Eds. 2005. Ecosystems and Human Well-Being: Millennium Ecosystem Assessment Scenarios for the Future of Ecosystem Services. Washington, D. C.: Island Press.
2. Balvanera, P., Ravi Prabhu and others. 2004. Ecosystem Services: The basis for global survival and development. Commissioned Issue Paper of the UN Millennium Project Task Force on Environmental Sustainability.
1. **Millennium Ecosystem Assessment**. 2003. People and Ecosystems: A Framework for Assessment and Action. Washington, D.C.: Island Press.

Other publications

14. Potvin **et al.** 2015. Acting on climate change: Solutions from Canadian Scholars. Sustainable Canada Dialogues.
13. H Tallis **et al.** 2014. Towards a diverse conservation ethic. *Nature* 515: 27-28.
12. Metson, GS, VH Smith, D Cordell, DA Vaccari, JJ Elser, and **EM Bennett**. 2014. Phosphorus is a key component of the resource demands for meat, eggs, and dairy production in the United States. *Proceedings of the National Academy of Sciences*.
11. **E.M. Bennett**. 2014. Social media for ecologists. *Frontiers in Ecology and Evolution* (Editorial).
10. Elser, J.J., and **E. M. Bennett**. 2011. Phosphorus cycle: A broken biogeochemical cycle. *Nature* 478: 29-31 Invited Commentary.
9. Raudsepp-Hearne, C., G. D. Peterson, M. Tengo, and **E. M. Bennett**. 2011. The paradox persists: How to resolve it? *BioScience* 61(1): 11
8. Cardille, J.A. and **E. M. Bennett**. 2010. Tropical Teleconnections. *Nature Geoscience* **3**: 154-155. (Invited Commentary)
7. **E. M. Bennett**. 2010. Understanding the interactions among ecosystem services can improve ecosystem management. *Bulletin of the British Ecological Society* **41**: 4-6.
6. M. B. Zurek, R. Biggs, **E. M. Bennett**, C. Raudsepp-Hearne, K. Kok, S. J. Velarde. Module 5: Exploring Future Implications of Choices about Ecosystem services and Human well-being. World Resources Institute.
5. **Bennett, E. M.** and S. R. Carpenter. P Soup. 2001. *World Watch*
4. Carpenter, S. R., E. A. Levitt, G. D. Peterson, **E. M. Bennett**, T. D. Beard, J. A. Cardille, and G. S. Cumming. 2003. Future of the Lakes: Scenarios for the future of Wisconsin's Northern Highland Lake District. Illustrations by Bill Feeney. (<http://www.lakefutures.wisc.edu>)
3. **Bennett, E. M.** 2003. Scenario development and resilience: Local and global examples of resilience of social-ecological systems. IHDP [International Human Dimensions of Global Change] Update. February 2003.
2. Lucas, N. and **E. M. Bennett**. 2006. Resilience and Pluralism: Ecosystems and Society in a Great Transition. GTI [Great Transition Institute] Paper Series #14. Boston, MA: Tellus Institute.
1. Evans, K., Velarde, S.J., Prieto, R., Rao, S.N., Sertzen, S., Dávila, K., Cronkleton P. and de Jong, W. 2006. Field guide to the future: Four ways for communities to think ahead. **E. Bennett** and M. Zurek (eds.). Nairobi: Center for International Forestry Research (CIFOR), ASB, World Agroforestry Centre. p.87. URL: <http://www.asb.cgiar.org/ma/scenarios>.

MAJOR GRANTS AND FUNDING: Grants listed only once in the year the grant was first received.(Listed in parentheses is the amount of funding going to the Bennett lab in case of multiple PIs.)

2014 NSF/Future Earth. Bright Spots: Seeds of a Good Anthropocene. (2 years, lead PI) **US \$75,000** (approx. CDN\$75,000)

sDiv Synthesis Centre of Biodiversity Sciences. Next generation models for ecosystem services and biodiversity, sESMOD (1 year, lead PI) **€17,544** (approx. CDN \$25,000)

FQRSC Regroupement Stratégiques. (CICADA. Centre pour la conservation et le développement autochtones alternatifs (3 years, co-PI) **\$204,750** (\$xx,xxx)

Sustainability Projects Fund. (1 year, co-PI). **\$39,850** (\$15,000)

NSERC CREATE. Enhancing Canada's prosperity through innovative environmental assessment, monitoring, and management (6 years, co-PI) **\$1,750,000** (\$xx,xxx)

SSHRC Partnership. Economics for the Anthropocene (6 years, co-PI) **\$2,495,691** (\$xx,xxx)

2013 Sustainability Projects Fund. (1 year, E Bennett, sole PI) **\$31,030**

NSERC Discovery. "Ecosystem service interactions across landscapes" (5 years, sole applicant, **\$200,000**)

2012 NSERC Strategic Network Grant. Canadian network for aquatic ecosystem services. (5 years, co-PI). **\$4,416,625.** (\$84,700)

NAKFI (National Academy Keck Futures Initiative). Woody plant encroachment: degradation or just a shift in the portfolio of ecosystem services? (2 years, E Bennett and O Sala, co-PIs) **\$75,000.** (\$37,500)

NAKFI (National Academy Keck Futures Initiative). Assessing the sustainability of agricultural commodity chains: Contrasting ecosystem service impacts of small-scale agriculture and large-scale agribusiness. (2 years, E. Bennett, C. Kremen, K. Carlson, N. Walker, co-PIs). **\$100,000** (\$25,000)

2011 IDRC (International Development Research Centre). Innovating for resilient farming systems in semi-arid Kenya. (3 years, co-PI). **\$1,441,317.** (\$111,927)

2010 USGS. "Spatial Analysis of relations among conservation practices, aquatic ecosystem services, human well-being in the Albemarle-Pamlico basin." (1 year, sole applicant) **\$50,000**

NSERC Strategic Projects. Ecosystem services, biodiversity, and landscape connectivity. (3 years, E Bennett, lead PI) **\$463,483** (\$300,000)

Max Bell Foundation award. Integrating bioindicators of stream water quality into regional planning for peri-urban landscapes. (3 years, co-PI) **\$209,000.** (\$75,000)

Programmation Scientifique PACC-26/OURANOS. Corridors, biodiversité, et services écologiques: un réseau écologique pour le maintien de la connectivité et une gestion résiliente aux changements climatiques dans l'Ouest des Basses-Terres du Saint-Laurent. (3 years, co-PI) **\$250,000** (\$100,000)

2009 USGS. "Spatial Analysis of relations among conservation practices, aquatic ecosystem services, human well-being in the Albemarle-Pamlico basin." (1 year, sole applicant) **\$25,000**

2008 NSERC Discovery. "Understanding resilience across the landscape: mapping, modeling, and managing ecosystem services." (5 years, sole applicant). **\$75,000**

USGS. Quantifying multiple ecosystem services. (1 year, co-PI). **\$20,000** (\$10,000)

2007 CFI Leaders Opportunity Fund. "Understanding resilience across the landscape: mapping, modeling, and managing ecosystem services." 5 years, sole applicant) **\$193,337**

2006 FQRNT. "Soil P and eutrophication: Slowly-changing variables as a possible mechanistic explanation for land use legacies." (2 years, sole applicant) **\$40,000**

Christensen Foundation. A long-range planning process for building the resilience of traditional communities. As a team led by the Conservation Strategy Fund. (1 year, sole applicant) **\$50,000**

HONORS AND AWARDS:

- McGill Catalyst Award for staff contribution to sustainability on campus, 2015
- Trottier Public Policy Fellowship 2013-2014 (with \$80,000 funding to initiate public policy engagement related to the Monteregie Connection project)
- Winner, Carrie M. Derick Award for Excellence in Graduate Supervision, 2013
- Selected to be a member of the Global Young Academy, 2013 – 2017
- IAP Young Scientist representative of the Royal Society of Canada at the Summer Davos meeting of the World Economic Forum. Tianjin, China, September 2012
- Faculty of Agriculture and Environmental Science nominee for the Principal's Award for Teaching Excellence, Spring 2012
- Macdonald Campus Award for Teaching Excellence, Spring 2012

- Invited to attend the 9th Annual National Academies Keck Futures Initiative (NAKFI) conference on Ecosystem Services: Charting a Path to Food Security that is a Win Win for People and the Environment, 2011
- Leopold Leadership Fellow, 2011
- Dane County Lakes and Watershed Commission's Lake Champion Award, 2005
- IGERT fellowship (Integrative Graduate Education Research Traineeship). 1998 - 2001
- Best student presentation, Soil Ecology Section, Ecological Society of America. 2001.

INVITED CONFERENCE PRESENTATIONS

- E.M. Bennett, R. Biggs, G. D. Peterson, and A. Norstrom. Bright Spots: Exploring Pathways to a Better Anthropocene. Ecological Society of America. Baltimore, MD. August 2015.
- E.M. Bennett and W. Cramer. Future Directions: Research priorities for landscape management of ecosystem services and biodiversity. International Association of Landscape Ecologists. Portland, OR. July 2015
- E.M. Bennett. L'ère Anthropocène : exploration vers un meilleur futur, à Montréal et dans le monde. Americana Conference. Montreal, QC. March 2015.
- Nesme, T. and E.M. Bennett. Keynote address: Sustainable phosphorus use in agroecosystems: a story of global imbalance and resource recycling. 5th international symposium on Phosphorus in Soils and Plants. Montpellier, France. August 2014.
- Bennett, E. M. The role of ecosystem science in understanding food security. US Congressional briefing. October 25, 2013.
- Bennett, E. M. S.R. Carpenter, N. Ramankutty, and L. Gordon. What can resilience thinking tell us about sustainable agricultural development? Ecological Society of America invited Ignite talk. Minneapolis, Minnesota. August 2013.
- Bennett, E. M. Long-term legacies and cross-scale impacts of agriculture on water quality. Ecological Society of America invited Symposium talk. Minneapolis, Minnesota. August 2013.
- Bennett, E. M. Panel Discussion: Engaging Ecologists in Public Policy: Revisiting ESA Recommendations. Minneapolis, Minnesota. August 2013.
- EM Bennett. Measuring Multiple Ecosystem Services in Disturbed Landscapes. CNAES (Canadian Network for Aquatic Ecosystem Services) annual meeting. April 29, 2013.
- Bennett, E. M. 2013. Reconnecting people to nature: Planning for multi-functional landscapes. February 2013. AAAS. Boston, MA, USA
- L. Gerber and E. M. Bennett. Overcoming institutional barriers to science communication. February 2013. AAAS. Boston, MA, USA
- Bennett, E. M., A. Gonzalez, M. Lechowicz, and J. Rhemtulla. Ecosystem services and the future of production systems. Ecological Society of America, Austin, Texas. August 2011
- MacKay, R., E. M. Bennett, and A. LeFebvre. 2010. Using a Beneficial Management Practice (BMP) Adoption Index in Agri-Environmental Policy in Canada. OECD Workshop: Agri-environmental indicators: Lessons learned and future directions. 23-26 March 2010.

Leysin- Switzerland.

- Bennett, E. M. 2007. Introductory remarks on modeling multiple ecosystem services. Ecological Society of America. San Jose, California.
- Bennett, E. M. and P. Balvanera. 2006. Ecology in an era of globalization: Production systems. Ecological Society of America, Merida, Mexico.
- Bennett, E.M. 2005. Comparing alternate futures of ecosystem services and human well-being: The Millennium Ecosystem Assessment Scenarios. Ecological Society of America, Montreal, QC, Canada.
- Brunson, Mark, and E. M. Bennett. 2004. Developing assessment tools in support of sustainable land use policy: a status report. Ecological Society of America, Portland, OR.
- Bennett, E. M., S. R. Carpenter, P. Pingali, and M. Zurek. 2003. The role of ecology in global scenarios. Ecological Society of America, Savannah, Georgia.
- Bennett, E. M. June 2001. North American Benthological Society. Phosphorus storage along an urban to rural gradient.
- Bennett, E. M. 2000. Implications of watershed P budgets for nutrient management. Statewide nonpoint manager's conference, Wisconsin DNR.
- Bennett, E. M. 2000. Agriculture and Lake Mendota water quality. Wisconsin Fertilizer, Aglime, and Pest Management Conference. Madison, WI.
- Bennett, E. M. 1999. A phosphorus budget for the Lake Mendota watershed: management implications. Statewide fisheries managers' conference, Wisconsin Department of Natural Resources. Eau Claire, WI.

INVITED UNIVERSITY LECTURES (AND SIMILAR):

- sDiv (Leipzig, Germany) public seminar, April 2015
- University of Virginia Environmental Sciences seminar, November 2014
- Duke University Mega-trends in Ecology seminar, October 2014
- Muskoka Summit on the Environment public forum, May 2014
- Iowa State Graduate Program in Sustainable Agriculture Symposium, April 2014
- Carleton College Environmental Studies Lecture Series, March 2014
- The Baker Center Energy and Environment Forum University of Tennessee, January 2014
- Gund Institute for Ecological Economics, University of Vermont. October 2013
- MAUT (McGill Association of University Teachers) Retirees Luncheon. June 2013.
- McGill University. McGill School of Environment 5th Annual Symposium. April 2013.
- University of Hawaii. Geobiology and Geophysics seminar. April 2013
- Arizona State University. Ecology Seminar. March 2013
- 2013 Hammond Lecture in Environment at the University of Guelph. March 2013
- Guelph University. School of Environmental Science. March 2013
- Virginia Tech. Multiple ecosystem services in agricultural landscapes. December 2012.
- Fairfield University. Multiple ecosystem services in agricultural landscapes. March 2012.
- Michigan State University (Kellogg Biological Station). Provision of multiple ecosystem services in an agricultural landscape in Quebec. January 2012.

- McGill University. Cutting Edge Science lecture. Feeding the world without destroying it: What we can learn from the agricultural areas around Montreal. December 2011.
- Podcast interview about “virtual ecosystem services” with Joe Palca (NPR) for the NAFKI conference on Ecosystem services.
- Pennsylvania State University. 2010. Earth Talks Series: Embracing Change: Resilience and Adaptation in Turbulent Times
- Quebec Centre for Biodiversity Science. 2010. Ecosystem services and biodiversity in QC
- Cornell University. 2009. Keynote Speaker, Natural Resource Sciences Annual Symposium.
- McGill University. 2008. Classes without Quizzes (MSE homecoming presentation).
- McGill University. 2007. ReThink Campus Sustainability Seminar. Synthesis Speaker.
- Queen’s University. 2006. Ecology and Evolutionary Biology Seminar Series
- University of Washington. 2006. Rising stars in Aquatic Sciences, School of Aquatic and Fisheries Science
- McGill University. 2006. Food for Thought (FAES evening seminar series).

TEACHING (2005 TO PRESENT)

ENVR 201. Society and Environment- as team member (2005-2010)
ENVR 201. Society, Environment, and Sustainability – as course coordinator (2010-present)
ENVR 401. Environmental Research– as team member (2006)
ENVR 401. Environmental Research – as course coordinator (2008)
ENVB 415. Ecosystem Management: Capstone Course (2011 – present)
NRSC 430. GIS for Natural Resource Management- sole instructor (2006-2013)
ENVR 480. Unearthing Montreal. The ecological history of Montreal Island and its impact on the environmental sustainability of modern Montreal. (2012-present)
NRSC 680/ENVR 680. Special Topics: The Ecology and Environment of Food – sole instructor (Winter 2009)
NRSC /751 Graduate Proposal Seminar. (2012, 2014 - current)

Undergraduate Supervision

Honors:

- Andrea Rawluk (MSE, 2006)
- Sophie Mazowita (MSE, 2006-2007)
- Helene Higgins (MSE, 2006-2007)
- Phil Potter (Geography, with Navin Ramankutty, 2007-2008)
- Valerie Francella (MSE, 2008-2009)
- Maggie Knight (MSE, 2010-2011)
- Emery Hartley (NRS, 2012-2013)
- Susanna Klassen (MSE, 2013)
- Stephanie Cotnoir (MSE, 2015-2016)

Independent Studies:

- Sarah Booth (NRS, 2005)

- Meghan Collins (MSE and NRS, 2006)
- Naomi Robert (MSE, 2011)
- Emily Pedersen (MSE, 2012)
- Tereza Jarnikova (Math, Biology, 2012)
- Matthew Henry (Math, MSE, 2012)
- Morgan Crowley (MSE, 2012)
- Claudia Atomei (Geography, 2012)
- Cecile Tang (Biology, 2012)
- David Chen (Geography, 2015 (USRA))

Graduate Supervision

Completed

PhD

- Ciara Raudsepp-Hearne, PhD, Geography. NSERC-PGSD. 2004-2009. Managing ecosystem services: tools and theory for understanding and managing the dynamics of multiple ecosystem services (Co-supervised with Dr. Garry Peterson)
- Graham MacDonald, PhD. NRS 2009 – 2012. Human impact on large-scale P Cycling. NSERC PGSD.
- Matt Mitchell, PhD, NRS. NSERC-CGSD. 2009 – 2013. The effects of landscape structure on biodiversity and ecosystem services. (Co-supervised with Dr. Andy Gonzalez)
- Genevieve Metson. PhD, NRS. NSERC-CGSD 2011-2014. Urban phosphorus sustainability: how human diet, urban agriculture, and socioecological context influence phosphorus cycling and management
- Dorothy Maguire. PhD 3, NRS. 2011-2015. The effect of landscape structure on insect herbivory and biodiversity: implications for forest ecosystem services in the Monteregie, Quebec.

MSc

- Graham MacDonald, MSc, NRS. 2006-2008. “Long-term trends in agriculture and water quality in the St. Lawrence River sub-basin, Canada.” NSERC PGSM.
- Laura Pfieler, MSc NRS (Environment Option). 2007-2009. “Physical, biological, and social drivers of urban stream chemistry in Montreal, Canada.” NSERC CGSM.
- Rachel Laurin, Bioresource Integrated Water Resource Management (Non-thesis MSc). 2010.
- Robin MacKay, MSc, NRS. 2007-2010. “Development of a Beneficial Management Practices Adoption Index for Canada.” Funded by Agriculture and Agri-foods Canada.
- Kate Liss, MSc. NRS (2010 – 2012) NSERC – Julie Payette scholarship. The role of configuration and composition in determining the provision of ecosystem services in multifunctional agricultural landscapes.
- Carly Ziter, MSc, Biology (co-supervised with Andy Gonzalez). (2011-2013) NSERC-CGSM. The effect of forest fragmentation on above ground carbon stocks and tree diversity: A case study of the Monteregie, Quebec.
- Josee Methot. MSc, NRS (MSE Option). NSERC-CGSM. (2010 – 2013) A multidimensional

approach to food security and non-traditional export agriculture: a case study in rural Guatemala

In progress

- Ira Sutherland. MSc1, NRS. NSERC-PGSM.
- Jean-Olivier Goyette. PhD 2, Biologie (U de Montreal). Co-supervised with Roxanne Maranger.
- Jesse Rieb, NRS, PhD 1. Thomlinson Scholar.
- Marianne Falardeau-Cote, PhD 1, NRS. FQRNT
- Dan Haberman, NRS, MSc1
- Anna Kusmer, NRS, MSc1
- Jillian Treadwell, Bioresource Engineering, MSc1

Postdoctoral Fellows and Visiting Scientists

- Dr. Luz Martinez, December 2014 –
- Dr. Barbara Frei, September 2014 –
- Dr. Sylvestre Delmotte, 2013 –
- Dr. Delphine Renard, 2012 – (co-supervised with Dr. Jeanine Rhemtulla)
- Dr. Shelby Riskin, Summer 2014
- Dr. Thomas Nesme. McGill Visiting Scholar (2013-2014)
- Dr. Veronique Chillo, 2013 – 2014 (Primary supervision by Diego Vasquez)
- Dr. Cheikh Sadibou Sakho, January - September 2012
- Dr. Marta Terrado-Casanovas, 2012
- Dr. Amy Villamagna. 2011-2012. (Supervised by Dr. Paul Angermeier, Virginia Tech)
- Dr. Meaghan Schipanski. . 2009-2010. MacDonald Agricultural Research Fellow
- Dr. Bronwyn Keatley. 2007-2008. Tomlinson Fellow. (Co-supervised by Rene Gregory-Eaves)
- Vicky Shaw, Fullbright Scholar. 2009-2010. (Co-supervised by Rene Gregory-Eaves)

UNIVERSITY AND DEPARTMENTAL SERVICE²

University Activities

- Selection Committee, Trottier Institute for Science and Public Policy (2015)
- Adjudication Committee - Lifetime Achievement Award for Leadership in Learning (2015)
- Director, McGill Net Positive (2013-2014)
- Chair, search committee for the selection of the MSE Director (2014)
- Advisory Committee for the Selection of the Dean of Science (2014)
- Vision 2020. (2012-2014)
 - Vision 2020 Steering Committee (2012-2014)
 - Vision 2020 Subcommittee to develop the situational analysis (2012-current)

² Note that I did not participate in most committee work while on maternity leave (September 2007 to September 2008, July 2009-April 2010), but continued service upon returning to my regular position.

- MSE representative, McGill Senate Subcommittee on Environment (2006-2010)
- Member, Provost's Working Group on Environment at McGill (2007-2008)

Faculty Activities

- Faculty Search, "Social Innovation" position (Fall 2014)
- FAES Environment Committee (April 2011 – current)
- FAES Library Committee (2011 – 2014)
- Macdonald Scholarships Committee (Fall 2006 – April 2011)
- Member, Information Technologies Committee (Winter 2010 – Winter 2011)
- Environmental Biology Major Program Development (Fall 2006-Spring 2008)
- Leader, with Caroline Begg, of development of Applied Ecosystem Sciences specialization within the Environmental Biology Major (2007-2008)
- Specialization Coordinator, Applied Ecosystem Sciences and Design (Fall 2009 - present)
- Member, Bioresource Engineering search committee, hydrologist position, (Winter 2009)

Departmental Activities – MSE

- Chair, Space Committee (Fall 2014 – current)
- Member, Graduate Affairs Committee (Fall 2011 – Fall 2013)
- Member, search committee urban sustainability position (Fall 2010)
- MSE Executive Committee member (Fall 2008 – Fall 2011, sustained involvement during maternity leave)
- MSE Undergraduate Affairs Committee (Fall 2006-2010)
- Participated in MSE planning retreats in Fall 2005, (reviewing undergraduate domains), Winter 2008, and Spring 2008 (developing an MSE graduate program)
- Academic advisor – Sustainability, science, and society (Fall 2010 – current)

Departmental Activities - NRS

- NRS Tenure Committee (2012-2013)
- NRS Graduate Committee (Winter 2011 – present)
- NRS Vision Committee (Fall 2010)
- NRS Computer Committee (Fall 2006)
- Academic advisor – Environmental Biology (Fall 2006 – 2009)
- Academic advisor – Applied Environmental Sciences specialization (2009 – 2011)
- NRS Seminar series coordinator (Fall 2008 – Fall 2009)
- Member, search committee fish/fisheries biologist position (Winter 2009)

PROFESSIONAL ACTIVITIES AND EXTERNAL AND PUBLIC SERVICE

- SNAP (Science for Nature and People) Science Advisory Council (2015 -)
- Program Committee, Leopold Leadership Program (2015 -)
- Advisory Board, North American Partnership for Phosphorus Sustainability (NAPPS) (2014 -)
- Member, Ecological Society of America Science Committee (2014 – 2017)

- Co-Chair, EcoSERVICES, a FutureEarth project (2014-)
- Science Leadership Team for Bioversity's Agriculture and Conservation Initiative (2013 -)
- Team member Biogeochemistry Theme, Goldschmidt Meeting 2014
- Editorial Advisory Board, *Global Food Security*, 2012-2015
- Editorial board member, *Frontiers in Ecology and Environment*, 2010 - current
- Senior editorial board member, *Regional Environmental Change*, 2011- 2015
- Member, Ecological Society of America Rapid Response Team, 2010 – current
- Member. Expert panel on 'The Sustainable Management of Water in Agricultural Landscapes of Canada. Council of Canadian Academies. (2011-2012)
- Editorial board member, *Regional Environmental Change*, 2008-2010
- Member, Faculty of 1000 Biology, Ecosystem Ecology section, 2008-present
- Member, Ecological Society of America Public Affairs Committee, 2007-2009
- Editorial board member, *Ecology and Society*, 2004-2007, 2010
- Reviewer for the following journals: Science, Proceedings of the National Academy of Science, Landscape Ecology, Ecology Letters, Journal of Ecology, Ecosystems, Global Biogeochemical Cycles, Journal of Applied Ecology, Conservation Biology, Biogeochemistry, Ecological Applications, Environmental Management, Philosophical Transactions: Biological Sciences, Australian Journal of Agricultural Research, Rangeland Ecology and Management, Journal of Plant Nutrition and Soil Science, Aquatic Sciences, Global Environmental Change, Regional Environmental Change, Science of the Total Environment, Island Press, CuiZine: The journal of Canadian food cultures, Applied Geoscience
- Reviewer for the following scholarships and grants: WWF Kathryn Fuller Fellowship for postdoctoral scholars, NSF Ecosystems Division, The Swedish Governmental Agency for Innovation Systems and Formas on "Sustainable Use of Natural Resources", and NSERC (Discovery), FQRNT (postdoctoral scholars).

SOCIETIES

- Ecological Society of America
- International Society of Landscape Ecology
- Resilience Alliance
- Groupe de Recherche Interuniversitaire en Limnologie et en environnement (GRIL)
- Quebec Centre for Biodiversity Science (QCBS)