Harold N. Eyster

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Education

Ph.D. candidate, Resources, Environment, and Sustainability — Expected graduation: July 2020
University of British Colubmbia — Vancouver, BC
Advisor: Dr. Kai Chan
Committee: Dr. Terre Satterfield, Dr. Diane Srivastava, and Dr. Robin Naidoo

B.A., Environmental Science and Public Policy (High Honors) — 2012–2016
Harvard University — Cambridge, MA
Graduation Honors: Magna Cum Laude
Thesis: *Invader Success and Changing Climate: Comparisons in the Native and Introduced Range of Seven Plant Species*
Advisor: Dr. Elizabeth Wolkovich

Publications

Papers currently under peer review

Eyster, H. N., P. Olmsted, R. Naidoo, and K. M. A. Chan. Motivating conservation even for widespread species using genetic uniqueness and relational values. *Conservation Biology.*

Eyster, H. N., Wolkovich, E. M. Germination traits largely do not evolve post-invasion: Comparisons in the native and introduced range of seven herbaceous plant species. *Journal of Ecology.*

Kreitzman, M., H. N. Eyster, M. Mitchell, A. Czajewski, K. Keeley, S. Smukler, N. Sullivan, A. Verster, & K. M. A. Chan. Perennial polycultures in the US Midwest have multiple ecosystem benefits but produce little food yet. *Ecological Monographs.*

Peer-reviewed publications

Chan, Kai M A, David R. Boyd, Rachelle K. Gould, Jens Jetzkowitz, Jianguo Liu, Barbara Muraca, Robin Naidoo, Paige Olmsted, Terre Satterfield, Odirilwe Selomane, Gerald G. Singh, Rashid Sumaila, Hien T. Ngo, Agni Klintuni Boedhihartono, John Agard, Ana Paula D. Aguiar, Dolors Armenteras, Lenke Balint, Christopher Barrington-Leigh, William W. L. Cheung, Sandra Dıaz, John Driscoll, Karen Esler, Harold Eyster, Edward J. Gregr, Shizuka Hashimoto, Gladys Cecilia Hernández Pedraza, Thomas Hickler, Marcel Kok, Tanya Lazarova, Assem A. A. Mohamed, Mike Murray-Hudson, Patrick O'Farrell, Ignacio Palomo, Ali Kerem Saysel, Ralf Seppelt, Josef Settele, Bernardo Strassburg, Dayuan Xue, and Eduardo S. Brondızio (July 2020). "Levers and leverage points for pathways to sustainability". In: *People and Nature* 2.3, pp. 693–717.

Stoddard, Mary Caswell, Harold N. Eyster, Benedict G. Hogan, Dylan H. Morris, Edward R. Soucy, and David W. Inouye (June 2020). "Wild hummingbirds discriminate nonspectral colors". In: *Proceedings of the National Academy of Sciences* 117.26, pp. 15112–15122.

Stoddard, Mary Caswell, Audrey E Miller, Harold N Eyster, Derya Akkaynak, and Mary Caswell Stoddard (2018). "I see your false colours : how artificial stimuli appear to different animal viewers". In: *Interface Focus* 1.9. ISSN: 2042-8898.

Stoddard, Mary Caswell, Krisztina Kupán, Harold N. Eyster, Wendoly Rojas-Abreu, Medardo Cruz-López, Martín Alejandro Serrano-Meneses, and Clemens Küpper (2016). "Camouflage and Clutch Survival in Plovers and Terns". In: *Scientific Reports* 6.January, p. 32059. ISSN: 2045-2322.

United Nations Reports, Contributing Author

Chan, Kai M. A., John Agard, Jianguo Liu, Ana Paula D. de Aguiar, Dolors Armenteras, Agni Klintuni Boedhihartono, William W. L. Cheung, Shizuka Hashimoto, Gladys Cecilia Hernández Pedraza, Thomas Hickler, Jens Jetzkowitz, Marcel Kok, Mike Murray-Hudson, Patrick O'Farrell, Terre Satterfield, Ali Kerem Saysel, Ralf Seppelt, Bernardo Strassburg, Dayuan Xue, Odirilwe Selomane, Lenke Balint, and Assem Mohamed (2019). "Pathways towards a Sustainable Future". In: *Global assessment report of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services*. Ed. by E. S. Brondízio, J. Settele, S. Díaz, and H. Ngo. Bonn, Germany: IPBES. Chap. 5. ISBN: 978-3-947851-20-1.

MEIDA COVERAGE: RESEARCH FEATURED IN, AMONG OTHERS:

The New York Times The Wall Street Journal, CNN, Fox News, National Geographic, National Geographic España, Science Friday, ABC News, Princeton University, New Hampshire Union Leader, EcoWatch, iNFOnews, Delo, The Science Times

PRESENTATIONS

PANELS ORGANIZED

Chan, K., **Eyster, H.**., Gould, R., & Hogberg, J. "Fostering Inclusive Conservation: Emerging approaches for broadening conservation constituencies." *North American Congress on Conservation Biology* — 2018 Toronto, ON

PAPERS PRESENTED

Eyster, H and Satterfield, T., and Chan, K. "Synthesizing human action theories." *Student Conference on Conservation Science* — 2019 Cambridge, UK

Eyster, H. and Naidoo, R., "Bird & Megafauna Diversity Explain Tourist Visits to African Parks." *International Ornithological Congress* — 2018 Vancouver, BC

Eyster, H. and Chan, K. "Cultivating Conservationists: Using social science models to build conservation capacity." *North American Congress on Conservation Biology* — 2018 Toronto, ON

Eyster, H. and Chan, K. "A framework for using eBird observer data to model human values for bird conservation." *Joint meeting of the American Ornithological Society and the Society of Canadian Ornithologists* — 2017 East Lansing, MI

Eyster, H. "Rothschildia (Saturniidae) transparent 'windows' function to mimic avian predator, not to aid in dead leaf camouflage." *100th meeting of the Ecological Society of America* — 2015 Baltimore, MD

Eyster, H. "Tolmie's MacGillivray's Warbler: the story of a name." *91st meeting of the Wilson Ornithological Society* — 2010 Geneva, NY

DEPARTMENTAL TALKS

Eyster, H. N.. "Using genetic distinctness to motivate people to conserve a widespread species." *Institute for Resources Environment and Sustainability Departmental Seminar, University of British Columbia* — 2020 Vancouver, BC

RESEARCH ASSISTANTSHIPS

Research Assistant—Avian camouflage, pigmentation, vision, and evolution with Dr. M. C. Stoddard — 2013-16
Harvard University Department of Organismic and Evolutionary Biology and Princeton Department of Ecology and Evolutionary Biology

Research Assistant—augmented reality in environmental science pedagogy with Dr. Loch Brown — 2016-17
Geography Department, University of British Columbia

Research Assistant—temporal community ecology with Professor Elizabeth Wolkovich — 2014-16
Harvard University Department of Organismic and Evolutionary Biology and Arnold Arboretum

Conservation Bird Artist — 2014
Fundacion de Conservacion Jocotoco (Ecuador)

Wildlife Field Technician—conducted field surveys of Great Gray Owls and Peregrine Falcons 2012
Yosemite National Park, US National Park Service

Intern—conducted prescribed burns, removed invasive species, collected native seeds, etc. 2009-10
Natural Area Preservation, Division of the City of Ann Arbor, MI

Intern—researched concentrated animal feeding operations and helped design the 2009-10 Michigan Environmental Briefing Book 2009
Michigan League of Conservation Voters, Ann Arbor, MI

Teaching

Co-supervisor with Kai Chan for undergraduate researcher 2020
Urban epiphyte diversity, University of British Columbia

Teaching Assistant—Agroecology I: Introduction to principles and techniques 2019
Faculty of Land and Food Systems, University of British Columbia

Teaching Assistant—Introduction to Environmental Science 2016-17
Dept. of Earth, Oceans, and Atmospheric Science, University of British Columbia

Teaching Assistant—Assisted with workshop on Bayesian inference language Stan 2018
Biodiversity Research Center, University of British Columbia

Awards and Scholarships

Biodiversity Research: Integrative Training and Education Internship	CAD $6,000	2020-21
Interdisciplinary Graduate Student Network travel award	CAD $300	2019
International Doctoral Fellowship	CAD $131,248	2017-21
Faculty of Science Graduate Award, University of British Columbia	CAD $4000	2016
International Tuition Award, University of British Columbia	CAD $6400	2016-18
Society of Canadian Ornithologist Travel Award	CAD $275	2017
Werner and Hildegard Hesse Research fund	CAD 4259	2017-18
Harvard University Ctr for the Environ. Undergraduate Summer Research Fund	$1000	2015
Harvard College Undergraduate Res. Fund	$3000	2015
Dean's Student Life Fund – conference travel grant	$500	2015
David Rockefeller Int'l Experience Fund	$5500	2014
Isobel L. Briggs Traveling Fellowship Fund for	$6500	2015
Michigan Botanical Club HVC Scholar		2012
American Birding Association Young Birder of the Year		2009

Service

Committee member, *Cats and Birds Subcommittee, Vancouver Parks Board* 2020

Co-Founder, Taskforce Member, *Society for Conservation Biology Disciplinary Inclusion Taskforce* 2020-21

Contributing author, *Intergovernmental Panel on Biodiversity and Ecosystem Services* Global Assessment–Chapter 5: Pathways towards a Sustainable Future 2019

Contributing author, *Intergovernmental Panel on Biodiversity and Ecosystem Services* Values Assessment–Chapter 4: Indigenous protected spaces case studies 2020

Contributing author, *Intergovernmental Panel on Biodiversity and Ecosystem Services* Values Assessment–Chapter 4: Protected Area Case Study 2020

Reviewer, *Ambio* 2019–

Mentor, Research Experience for undergraduates (REX), University of British Columbia	2019-20
Trustee, Canadian Union of Public Employees Local 2278 (TAs) *University of British Columbia*	2016-17
PhD representative Resources, Environment, and Sustainability Student Society, University of British Columbia	2017-18
Mentor, Planting Science	2017
Judge, Greater Vancouver Regional Science Fair	2017
Co-Founder and Co-Editor-In-Chief, *Harvard College Review of Environment & Society*	2013-15
Co-Founder and Field Trip Organizer, Harvard College Naturalists Club	2014-16
Men's Captain, Harvard College Running Club	2014-16
Wall Staff, Harvard Bouldering Wall	2014-16
Assistant Director for Sustainability, Harvard National Model United Nations	2013-14
Policy Chair, Harvard Environmental Action Committee	2012-13
Communications Director, Divest Harvard	2014
Media Director, Divest Harvard	2013
Artist, Michigan Botanical Club/Huron Valley Chapter	2007-12
Field trip Leader, Michigan Botanical Club and Washtenaw Audubon Society	2005-12
Field Trip Leader, Arc of Appalachia Preserve System	2012
Drum Major, Chelsea High School Marching Band	2011-12
Co-founder and instructor, Blue Heron Nature Camp, a camp for children to learn about wildlife, plants, & nature crafts	2005-06

Related professional skills

Proficient in: R, Bayesian modeling in Stan, Git, html, css, Jekyll, ArcGIS, LaTeX, ImageJ, OceanView, Adobe InDesign, Adobe Photoshop, Emacs, Inkscape, Python, Spanish, MatLab, & spectrophotometry