

# Etienne S. Benson

University of Pennsylvania  
Department of History and Sociology of Science  
Claudia Cohen Hall, Suite 303  
249 South 36th Street  
Philadelphia, PA 19104-6304  
United States of America

Email: [ebenson@sas.upenn.edu](mailto:ebenson@sas.upenn.edu)  
Phone: +1 215 898 8400  
Web: <http://etiennebenson.com>

## ACADEMIC POSITIONS

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- 2013- Assistant Professor, Department of History and Sociology of Science, University of Pennsylvania
- Fall 2014 Visiting Scholar, Rachel Carson Center for Environment and Society, Ludwig-Maximilians-University, Munich
- 2012-2013 Lecturer, New York University–Berlin
- Spring 2011 Visiting Lecturer, Committee on Conceptual and Historical Studies of Science, University of Chicago
- 2010-2013 Research Scholar, Department II (Ideals and Practices of Rationality, dir. Lorraine Daston), Max Planck Institute for the History of Science, Berlin
- 2008-2010 Ziff Postdoctoral Fellow, Center for the Environment, Harvard University. Host Department: History of Science

## EDUCATION

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- PhD, 2008 Massachusetts Institute of Technology — History, Anthropology, and Science, Technology & Society
- MA, 2001 Stanford University
- AB, 1999 Harvard University

## PUBLICATIONS

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### Book

*Wired Wilderness: Technologies of Tracking and the Making of Modern Wildlife* (Baltimore: Johns Hopkins University Press, 2010).

## Peer-Reviewed Journal Articles and Book Chapters

“Trackable Life: Data, Sequence, and Organism in Movement Ecology,” *Studies in History and Philosophy of Biological and Biomedical Sciences* 57: Entanglements of Instruments and Media in Investigating Organic Life, edited by Joan Steigerwald (June 2016): 137-147.

“Naming the Ethological Subject,” *Science in Context* 29, no. 1: Animal-Man Relations, edited by Alexandre Métraux (Mar. 2016): 107-128.

“Generating Infrastructural Invisibility: Insulation, Interconnection, and Avian Excrement in the Southern California Power Grid,” *Environmental Humanities* 6 (2015): 103-130. Recipient of the Joel A. Tarr Envirotech Prize and the Bernard S. Finn IEEE History Prize from the Society for the History of Technology.

“Territorial Claims: Experts, Antelopes, and the Biology of Land Use in Uganda, 1956-1975,” *Comparative Studies of South Asia, Africa and the Middle East* 35, no. 1: Nonhuman Empires, edited by Rohan Deb-Roy (2015): 137-155.

“Endangered Birds and Epistemic Concerns: The California Condor,” in *Endangerment, Biodiversity, and Culture*, edited by Fernando Vidal and Nélia Dias (New York: Routledge, 2015), pp. 175-194.

“Umwelt zwischen System und Natur. Alan Sonfists *Army Ants: Patterns and Structures* (1972) und die Grenzen des System-Denkens in der *environmental art*,” translated by Gabriele Wurmitzer and Daniela Hahn, in *Ökologie und die Künste*, edited by Erika Fischer-Lichte and Daniela Hahn (Paderborn: Wilhelm Fink Verlag, 2015), pp. 51-70. Translation of “Environment between System and Nature” (2014).

“Minimal Animal: Surveillance, Simulation, and Stochasticity in Wildlife Biology,” *Antennae: The Journal of Nature in Visual Culture* 30, Winter: Virtual Animal (2014): 39-53.

“Environment between System and Nature: Alan Sonfist and the Art of the Cybernetic Environment,” *communication +1* 3: Afterlives of Systems, edited by Christina Vagt and Florian Sprenger (2014): Article 2, 26pp.

“The Urbanization of the Eastern Gray Squirrel in the United States,” *Journal of American History* 100, no. 3 (2013): 691-710. Accompanied by lesson plans and source materials for *Teaching the JAH* at [http://www.journalofamericanhistory.org/teaching/2013\\_12/](http://www.journalofamericanhistory.org/teaching/2013_12/).

“One Infrastructure, Many Global Visions: The Commercialization and Diversification of Argos, a Satellite-Based Environmental Surveillance System,” *Social Studies of Science* 42 (2012): 846-871.

“Endangered Science: The Regulation of Research by the U.S. Marine Mammal Protection Act and Endangered Species Act, 1971-1978,” *Historical Studies in the Natural Sciences* 42, no. 1 (2012): 30-61.

“Demarcating Wilderness and Disciplining Wildlife: Radiotracking Large Carnivores in Yellowstone and Chitwan National Parks,” in *Civilizing Nature: National Parks in Transnational Perspective*, edited by Bernhard Gißibl, Sabine Höhler, and Patrick Kupper (Oxford: Berghahn, 2012), pp. 173-188.

“From Wild Lives to Wildlife and Back,” *Environmental History* 16, no. 3: Fifty Years of Wildlife in America, edited by Peter Alagona (2011): 418-422.

“Animal Writes: Historiography, Disciplinarity, and the Animal Trace,” in *Making Animal Meaning*, edited by Linda Kaloff and Georgina Montgomery (East Lansing: Michigan State University Press, 2011), pp. 3-16.

“A Difficult Time with the Permit Process,” *Journal of the History of Biology* 44, no. 1: Environmental History and the History of Biology, edited by Libby Robin and Jane Carruthers (2011): 103-123.

### **Other Essays, Articles, and Blog Posts**

“Movement Ecology and the Minimal Animal,” *LA+ [Landscape Architecture Plus]*: Simulation, edited by Karen M’Closkey and Keith VanDerSys (Fall 2016). 4pp.

“The Virtual Field,” *Technosphere Magazine* (Nov. 2016). [http://technosphere-magazine.hkw.de/#/p/f86f17b0-8a6c-11e6-8b42-2ff16d371dbf?\\_k=dg5goi](http://technosphere-magazine.hkw.de/#/p/f86f17b0-8a6c-11e6-8b42-2ff16d371dbf?_k=dg5goi). 5pp.

“The Urban Upwelling,” *The American Historian*, no. 6, section on History and Animals (November 2015): 40-44.

“The Biopolitics of the Border,” in *The Edges of Environmental History: Honouring Jane Carruthers*, edited by Christoph Mauch and Libby Robin, *Rachel Carson Center Perspectives* 2014, no. 1, pp. 81-86.

“Unbearable Future,” *Limn* 3: Sentinel Devices, edited by Frédéric Keck and Andrew Lakoff (June 2013): 56-59.

Author's response to reviews of *Wired Wilderness*, *H-Environment Roundtable Reviews* 3, no. 1 (2013): 15-20, <https://h-net.org/etienne-benson-wired-wilderness-technologies-tracking-and-making-modern-wildlife-roundtable-review>.

“Autonomous Biological Sensor Platforms,” *Cabinet* 41: Infrastructure (Spring 2011): 74-78.

“New Media and New Publics: An Example with Polar Bears,” guest blog post for *Ant Spider Bee: Exploring the Digital Humanities*, Sept. 12, 2013, <http://www.antspiderbee.net/2013/09/polar-bears/>. 4pp.

“Paparazzi in the Woods,” *Slate.com*, Aug. 14, 2008, [http://www.slate.com/articles/health\\_and\\_science/green\\_room/2008/08/paparazzi\\_in\\_the\\_woods.html](http://www.slate.com/articles/health_and_science/green_room/2008/08/paparazzi_in_the_woods.html). 4pp.

Occasional blogging on history of science and technology, environmental history, and animal studies at <http://etiennebenson.com/>, 2010-present.

### **Book Reviews**

*Program Earth: Environmental Sensing Technology and the Making of a Computational Planet* by Jennifer Gabrys for *American Journal of Sociology* 122, no. 5 (forthcoming, Mar. 2017).

*Stations in the Field: A History of Place-Based Animal Research, 1870-1930* by Raf de Bont, *Environmental History* (published online 22 Jan. 2016), doi: 10.1093/envhis/emv168. 3pp.

*Resettling the Range: Animals, Ecologies, and Human Communities in British Columbia* by John Thistle, *Agricultural History* 90, no. 1 (2016): 145-147.

*An Environmental History of Wildlife in England, 1650-1950*, by Tom Williamson, *Environment and History* 21, no. 3 (2015): 447-449.

“Shepherding Wild Life,” review of *Zooland: The Institution of Captivity* by Irus Braverman and *Cloning Wild Life: Zoos, Captivity, and the Future of Endangered Animals* by Carrie Friese, *BioSocieties* 9, no. 4 (2014): 489-492.

*Greening Berlin: The Co-Production of Science, Politics, and Urban Nature* by Jens Lachmund, *H-Soz-und-Kult*, Nov. 8, 2013, <http://hsozkult.geschichte.hu-berlin.de/rezensionen/2013-4-112>, 2pp.

*Animals and Society: An Introduction to Human-Animal Studies* by Margo DeMello and *Animal Encounters: Human and Animal Interactions in Britain from the Norman Conquest to World War One* by Arthur MacGregor, *Environmental History* 18, no. 4 (2013): 802-805.

*Considering Animals: Contemporary Studies in Human–Animal Relations*, edited by Carol Freeman, Elizabeth Leane, and Yvette Watt, *Annals of Science* 70, no. 4 (2013): 588-590.

*The Afterlives of Animals: A Museum Menagerie* by Samuel J. M. M. Alberti, *Environmental History* 17, no. 4 (2012): 889-891.

*CIFERAE: A Bestiary in Five Fingers* by Tom Tyler, *Configurations* 20, no. 3 (2012): 327-329.

*Beastly Natures: Animals, Humans, and the Study of History*, edited by Dorothee Brantz, *Environmental History* 16, no. 2 (2011): 336-337.

*Animal Encounters*, edited by Tom Tyler and Manuela Rossini, *JAC* 30 (2010): 825-834.

*The Game of Conservation: International Treaties to Protect the World’s Migratory Animals* by Mark Cioc, *Environment and History* 16 (2010): 509-511.

## INVITED TALKS

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“Cattle, Railroads, and the Built Landscape of Human-Animal Difference,” Department of History, University of Delaware, Nov. 1, 2016.

“Experiments in Environing: An Alternative History of Environmentalism,” Seminar in Environmental and Agricultural History, Massachusetts Institute of Technology, Cambridge, Mass., May 1, 2015.

“The Environment: Pasts and Futures of an All-Encompassing Idea,” Center for 21<sup>st</sup> Century Studies, University of Wisconsin-Milwaukee, Mar. 27, 2015.

“The Environmental Self,” Colloquium in the History of Science, Technology, and Medicine, Johns Hopkins University, Baltimore, Feb. 12, 2015.

“Trackable Life,” in Oberseminar “Perspektiven der Wissenschaftsgeschichte” [Advanced Seminar: Perspectives on the History of Science], Ludwig-Maximilians-University Munich, Nov. 27, 2014.

“A History of the Environment,” Department II Colloquium, Max Planck Institute for the History of Science, Berlin, Sept. 26, 2014.

“What Was the Environment, and Whose Was It?” University of Pennsylvania Design School, Architecture PhD Colloquium, Feb. 21, 2014.

“Mediating Animals: Surveillance and Simulation in Animal Ecology,” STS/Situating Science Seminar Series, York University, Toronto, Nov. 26, 2013.

“Virtually Wild,” Series on Ecology and the Arts, Internationales Graduiertenkolleg InterArt, Free University, Berlin, June 26, 2013.

“Digital Maps and Minimal Animals in Movement Ecology,” Twentieth-Century Think Tank, Department of the History and Philosophy of Science, Cambridge University, Apr. 25, 2013.

“Animate Infrastructures,” Department of the History and Sociology of Science, University of Pennsylvania, Philadelphia, Nov. 12, 2012.

“Gray Squirrels and Ecological Community in the American City,” Rachel Carson Center for Environment and Society, Munich, Dec. 15, 2011.

“Manhandling Manatees: The Ethics and Epistemology of Research under U.S. Endangered Species Laws,” Umeå Studies in Science, Technology and Environment Seminar, Umeå University, Sweden, Dec. 6, 2011.

“How Zoologists Learned to Live with Endangered Species Law,” Workshop on the History of the Human Sciences, Committee on Conceptual and Historical Studies of Science, University of Chicago, May 13, 2011

“Science by Permit; or, Why Marine Mammalogists Sometimes Sound Like CEOs of Oil and Gas Companies,” Department II Colloquium, Max Planck Institute for the History of Science, Berlin, Nov. 2, 2010.

“Leviathan and the Whale: Scientists, Publics, and the Regulatory State from Shamu to *Free Willy*,” Science and Technology Studies Colloquium, Cornell University, Ithaca, NY, Apr. 12, 2010.

“Leviathan and the Whale,” STS Circle, Kennedy School of Government, Harvard University, Sept. 28, 2009.

## **CONFERENCE AND WORKSHOP PRESENTATIONS**

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“The Cattle Guard,” in roundtable on “Feeling Nature: Bodies in Environmental History,” American Society for Environmental History, Seattle, Apr. 2, 2016.

Speaker in roundtable on “Multispecies Non-Human Ethnography,” Workshop on Ethnography, Princeton University, Feb. 16, 2016.

“Sensor Networks and 'the Field' of the Environmental Sciences,” Workshop on Experiencing the Global Environment, Max Planck Institute for the History of Science, Berlin, Feb. 4-6, 2016.

Commentator for roundtable on “Ideas of Environment,” History of Science Society, San Francisco, CA, Nov. 21, 2015.

Commentator for workshop on “More-Than-Human Sensoria,” Chemical Heritage Foundation, Philadelphia, PA, Sept. 18-19, 2015.

“Livecams, Dying Species, and the Temporality of the Image,” Workshop on Loss and Preservation in the Life Sciences, Tel Aviv University, June 8-10, 2015.

“From Determinism to Endangerment: The Environmentalist Origins of Environmentalism,” American Society for Environmental History, Washington, DC, Mar. 21, 2015.

“Rewiring Responsibility in Wildlife Conservation,” Conference on Digital Animals, New York University, Feb. 20, 2015.

“Imaging Infrastructures and Global Environments,” American Historical Association, New York, NY, Jan. 5, 2015.

“Sites and Nonsites of Ecosystem Ecology: A View from the Spiral Jetty,” Workshop on Spaces of Ecological Knowledge, Maastricht University, Nov. 20-21, 2014.

“Self-Governance within Regulatory Regimes: The Case of Endangered Species Research in the United States,” Workshop on Self-Governance in Science and Technology, Institute for Advanced Sustainability Studies, Potsdam, Apr. 14-15, 2014.

“Urban Wildlife between Charity and Ecology,” American Society for Environmental History, San Francisco, CA, Mar. 14, 2014.

“Modeling Data and Animals in Movement Ecology,” History of Science Society, Boston, MA, Nov. 23, 2013.

“A History of ‘the Environment,’” HASTS 25<sup>th</sup> Anniversary Symposium, MIT, Cambridge, MA, Nov. 9, 2013.

“Vectoral Life: Cold War Ecologies of Animal Movement,” Symposium on 1963: Cold War Unlimited, University of Sheffield, Sept. 20, 2013 (by videoconference).

“Urban Infrastructures of Multispecies Mobility,” European Society for Environmental History, Aug. 23, 2013.

“The Biopolitics of the Border,” Workshop on Edges of Environmental History, Munich, Aug. 20, 2013.

Speaker in roundtable on “Wissenschaftskommunikation in Europa – Entwicklungstendenzen? Erfolgsmodelle?” [Scientific Communication in Europe: Development Tendencies? Models of Success?], Conference on Rezensieren-Kommentieren-Bloggen [Reviewing- Commenting- Blogging], Carl von Siemens Stiftung, Munich, Feb. 1, 2013.

“The Making of a Territorial Antelope,” History of Science Society, San Diego, Nov. 17, 2012.



“Floating Nature: Beyond the Baseline in Biodiversity Conservation,” Society for the Social Study of Science, Copenhagen, Oct. 18, 2012.

“The Epistemic Conditions of Endangered Species Science,” Workshop on Endangerment and Its Consequences, Max Planck Institute for the History of Science, July 17, 2012.

“Wildlife and Wildness in a Human-Dominated World,” Workshop on My Anthropocene, Haus der Kulturen der Welt, Berlin, May 22, 2012.

“Decolonization and the Territorial Animal,” Conference on Nonhuman Empires: Between Agents and Actants, Department of History and Philosophy of Science, University of Cambridge, Mar. 21, 2012.

“Transparency Ideals and Information Friction in the Regulation of Endangered Species Research,” Workshop on Regulating Research, Max Planck Institute for the History of Science, Mar. 16, 2012.

“Routinizing Ethics in Endangered Species Research,” Society for Social Studies of Science, Cleveland, Ohio, Nov. 4, 2011 (Organizer of panel: “Ethics in Conservation Biology”).

“The Endangered Science of Endangered Species,” Workshop on Endangerment and Its Consequences, Max Planck Institute for the History of Science, Oct. 14, 2011.

“Animals in/as Infrastructures of Environmental Surveillance,” Conference on An Animal Turn in Anthropology? Collège de France, Paris, June 23, 2011.

“Fragmented Infrastructures of Global Environmental Surveillance: The Argos Data Collection and Location System,” American Society for Environmental History, Phoenix, AZ, Apr. 14, 2011

“Humans around their Necks: Seeing the Sea through the Eye of the Albatross,” American Historical Association, San Diego, CA, Jan. 9, 2010.

“Environmental Informatics and Cold War Crisis at the Cedar Creek Natural History Area,” Society for Social Studies of Science, Washington, DC, Oct. 29, 2009.

“Historiography, Disciplinarity, and the Animal Trace,” Conference on Animals: Past, Present, and Future, Michigan State University, East Lansing, MI, Apr. 16, 2009.

“Resolving Commons Dilemmas across Species: Greedy Fisherman, Gluttonous Otters, and the Concept of ‘Keystone Species,’” American Society for Environmental History, Tallahassee, FL, Feb. 26, 2009.

“Traces of the Albatross: Absence in the Contact Zone,” American Anthropological Association, San Francisco, CA, Nov. 21, 2008.

“A Contested Icon of ‘Hands-On’ Research: Images from the History of Wildlife Telemetry,” Poster, Society for Conservation Biology, Chattanooga, TN, July 14, 2008.

“Demarcating Wilderness and Disciplining Wildlife in Yellowstone and Chitwan, 1959-1981,” Workshop on Civilizing Nature: National Parks in Transnational Historical Perspective, German Historical Institute, Washington, DC, June 14, 2008.

“A Mundane Laboratory Atmosphere? Adolph Murie and the Place of Science in Denali National Park and Preserve,” *Designing the Parks: The History of Park Planning and Design*, Charlottesville, VA, May 21, 2008.

“‘Laboratoryizing’ the Wilderness: Trapping, Tranquilizing, and Tagging Wildlife in the National Parks, 1959-1972,” *American Society for Environmental History*, Boise, ID, Mar. 15, 2008.

“Field Research in the Public Eye: Tagging Whales after the Marine Mammal Protection Act of 1972,” *History of Science Society*, Crystal City, VA, Nov. 3, 2007.

“Animal-Human Boundaries in the Practice of Wildlife Biology,” *Workshop on Animal-Human Boundaries: Disciplinary and Spatial Perspectives*, Kennedy School of Government, Harvard University, Cambridge, MA, Nov. 9, 2006.

“Wired Animals and Radio Landscapes: Wildlife Radiotelemetry at the Cedar Creek Natural History Area,” *Society for the History of Technology*, Minneapolis, MN, Nov. 5, 2005.

“From Gooney Bird to Rational Forager: Wildlife Biology, Global Surveillance, and the Nature of the Albatross,” *Conference on Anthropology and Science: Interdisciplinary Approaches*, Manchester, UK, June 25, 2005.

“From Gooney Bird to Rational Forager: Wildlife Biology, Global Surveillance, and the Nature of the Albatross,” *Workshop on Research in Progress: Interdisciplinary Dialogs*, MIT, Cambridge, MA, Apr. 28, 2005.

“Space-Age Natural History: Tracking Grouse across Northern Minnesota’s Radio Landscape,” *Workshop on the History of Environment, Agriculture, Technology, and Science*, MIT, Cambridge, MA, Oct. 2, 2004.

## **CONFERENCE SESSIONS, WORKSHOPS, AND SYMPOSIA ORGANIZED**

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“Animals in the Archive,” *symposium co-organized with Zeb Tortorici and Carolyn Fornoff*, University of Pennsylvania, Philadelphia, Oct. 27-28, 2016.

“Infrastructures of Knowledge/The Future Is \_\_\_\_\_,” *symposium co-organized with Bethany Wiggin*, sponsored by the Penn Program in Environmental Humanities and Perry World House, University of Pennsylvania, Mar. 29-30, 2016.

“Life in Transit,” *conference panel at the European Society for Environmental History meeting*, Munich, Aug. 23, 2013.

“Regulating Research,” *two-day workshop with 22 speakers and moderators*, Max Planck Institute for the History of Science, Berlin, Mar. 16-17, 2012.

“Ethics in Conservation Biology,” *conference panel at the Society for Social Studies of Science meeting*, Cleveland, Nov. 4, 2011.



## **PUBLIC LECTURES AND OUTREACH**

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Speaker on “Computing” in roundtable: “Big Ideas: Invention, Environment, and You,” organized by the Schuylkill Center for Environmental Education at Bourbon & Branch, Philadelphia, Feb. 18, 2016.

Discussant in roundtable: “See the Filth Floating on the Waters!/The Redemption of the Lower Schuylkill: The River as it Was,” Slought Foundation, Philadelphia, May 18, 2015, [https://slought.org/resources/the\\_river\\_as\\_it\\_was](https://slought.org/resources/the_river_as_it_was).

“Multispecies Communities in Historical Perspective,” Lecture, Spring 2015 University of Nature, Schuylkill Center for Environmental Education, Philadelphia, PA, Apr. 11, 2015.

Speaker in roundtable: “Nature in the Anthropocene,” Penn Program in Environmental Humanities, Apr. 10, 2015. (See Blake Cole, “Nature in the Anthropocene,” *SAS Frontiers*, Apr. 22, 2015, <https://www.sas.upenn.edu/series/frontiers/nature-anthropocene>.)

Co-leader of exhibition walkthrough: “Placing the Golden Spike: Landscapes of the Anthropocene,” group exhibit curated by Dehlia Hannah and Sara Krajewski, Institute of Visual Arts, University of Wisconsin-Milwaukee, Mar. 27, 2015.

“The Anthropocentricocene: Narcissism and Humility in the 'Age of Man,’” 60-Second Lecture, University of Pennsylvania, Philadelphia, Apr. 9, 2014, <http://www.sas.upenn.edu/60second/archive/anthropocentricocene-narcissism-and-humility-age-man>.

“How the Gray Squirrel Conquered the American City,” Penn Science Café, World Cafe Live, Philadelphia, Feb. 11, 2014.

## **FELLOWSHIPS, PRIZES, AND AWARDS**

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Article prizes for “Generating Infrastructural Invisibility,” 2016:

Joel A. Tarr Envirotech Prize for best article on the relationship between technology and the environment in history

Bernard S. Finn IEEE History Prize from the Society for the History of Technology for the best published paper in the history of electrotechnology

Collaborator, *Digital Animalities: Media Representations of Nonhuman Life*, project supported by the Social Sciences and Humanities Research Council. Principal Investigator: Jody Berland, York University. 2016-2019

Conference Support Grant for “Animals in the Archives” (October 27-28, 2016), School of Arts and Sciences, University of Pennsylvania, 2016

Andrew W. Mellon Faculty Fellowship, Price Lab for Digital Humanities, University of Pennsylvania, Spring 2016

Research Opportunity Grant, School of Arts and Sciences, University of Pennsylvania, 2014

Melvin Kranzberg Dissertation Fellowship, Society for the History of Technology, 2007

Joseph L. Fisher Dissertation Fellowship, Resources for the Future, 2007

Dissertation Improvement Award (PI/Advisor: Harriet Ritvo, NSF Award #0646249), Science and Society Program, National Science Foundation, 2007

Summer Study Award, Center for International Studies, MIT, 2007

Martin Family Fellowship for Sustainability, MIT, 2006

Mass Media Science and Engineering Fellowship, American Association for the Advancement of Science, 2001

## **COURSES TAUGHT**

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*At the University of Pennsylvania unless otherwise noted.*

Fall 2016: Environment and Society (STSC 168), Seminar in History and Sociology of Science (HSSC 505)

2015-2016: Technology and Society (STSC 003), Environment and Society (STSC 168); Cyberculture (STSC 260), Environmental History (HSSC 565)

2014-2015: Environment and Society (STSC 168), Humanities Beyond the Human (HSSC 588)

2013-2014: Engineering Planet Earth (STSC 169), Cyberculture (STSC 260), Environmental History (HSSC 565)

2012-2013: Environment and Society (ENVST-UA 9101, New York University–Berlin)

2010-2011: Tracking Nature (HIPS 23101, University of Chicago)

## **PROFESSIONAL SERVICE**

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### **University of Pennsylvania**

Department of History and Sociology of Science:

Organizer, Monday Workshop Departmental Colloquium, Spring 2015-Spring 2016

Member, Search Committee, Assistant Professor in History of Science and Assistant Professor in History of Information Sciences, 2015-2016

Member, Graduate Admissions Committee, 2013-present

School of Arts and Sciences:

Member, Search Committee, Assistant Professor in Environmental Humanities, 2016-2017

Member, Fellowships and Awards Committee, Penn Humanities Forum on Afterlives (2017-2018), 2016-2017

Co-convenor (with Bethany Wiggin), Environmental Humanities Faculty Working Group, 2016-2017

Member, Penn Program in Environmental Humanities Advisory Board, 2016-present

Member, Environmental Humanities Cluster Hire Working Group, 2015-2016

Member, Fellowships and Awards Committee, Penn Humanities Forum on Translation (2016-2017), 2015-2016

### **Other professional service**

Co-convenor (with Jeremy Vetter and Jody Roberts), Earth and Environmental Sciences Working Group, Consortium for the History of Science, Technology, and Medicine, Philadelphia, Spring 2015-Spring 2016

Chair, Best Article Prize Committee, European Society for Environmental History, 2015

Max Planck Institute for the History of Science, Berlin: Organizer, Predoctoral Seminar Series, 2012-2013; Co-organizer, Institute's Colloquium, 2011-2012; Department II Library Liaison, 2010-2011

Peer reviewer of journal articles and book manuscripts: *BioSocieties*, *BJHS Themes*, *communication +1*, *Cultural Anthropology*, *Environment and History*, *Environmental History*, *Environmental Humanities*, *Geo: Geography and Environment*, *Geoforum*, *Global Environment, Information & Culture*, Johns Hopkins University Press, Oxford University Press, *Rachel Carson Center Perspectives*, Routledge Press, *Science & Technology Studies*, *Social Studies of Science*, *TRACE*, *Urban History Review/Revue d'histoire urbaine*

### **MEMBERSHIPS IN PROFESSIONAL SOCIETIES**

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American Historical Association

American Society for Environmental History

European Society for Environmental History

History of Science Society

Organization of American Historians

Society for the History of Technology