

WILLIAM SAN MARTÍN

Worcester Polytechnic Institute, Global School
Department of Integrative & Global Studies
100 Institute Road
Worcester MA
01609-2280 United States

APPOINTMENTS

2022-	WORCESTER POLYTECHNIC INSTITUTE
	Assistant Professor of Global Environmental Science, Technology, and Governance Global School, Department of Integrative and Global Studies
	Affiliated, Community Climate Adaptation - Graduate Program
	Affiliated, Science and Technology for Innovation in Global Development - Graduate Program
	Affiliated, Great Problems Seminar (GPS) (1st-Year Student Research Program)
2018-2022	Affiliated, Latin America & Caribbean Studies Initiative
	Affiliated, International & Global Studies Program
	Assistant Teaching Professor of Global Environmental History and History of Science & Technology School of Arts & Sciences, Department of Humanities & Arts
	STELLENBOSH UNIVERSITY
	Research Associate African Anthropocenes Research Centre
2024-	BROWN UNIVERSITY
	Affiliated Scholar Climate Social Science Network (CSSN) - Institute at Brown for Environment and Society (IBES)
2022-	UPPSALA UNIVERSITY
	Research Fellow Earth Systems Governance Project
2021	LUDWIG-MAXIMILIANS-UNIVERSITÄT MÜNCHEN
	Research Fellow Rachel Carson Center for Environment & Society
2017-2018	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
	Postdoctoral Associate Joint appointment in the Program in Science, Technology & Society (STS) and the Department of History
2016-2017	Pre-doctoral Visiting Fellow
	Joint appointment in the Program in Science, Technology & Society (STS) and the Department of History
2009-2010	PONTIFICIA UNIVERSIDAD CATÓLICA DE CHILE
	Instructor
	History Department (2010)
	Center for the Study and Development of Academic Talents, Penta UC (2009-2010)
2009	Center for Teaching Development (2009)
	UNIVERSIDAD DIEGO PORTALES
	Instructor
	School of Social Sciences and History

EDUCATION

- 2017 UNIVERSITY OF CALIFORNIA, DAVIS
Ph.D. History - Latin American and World History
- Dissertation: *Nitrogen revolutions: Agricultural expertise, technology, and policy in Cold War Chile*
Committee: Charles Walker, History Department and Hemispheric Institute on the Americas
Marian Schlotterbeck, History Department
Lovell Jarvis, Department of Agricultural and Resource Economics
- 2011 UNIVERSIDAD CATÓLICA DE CHILE
M.A. History
- Thesis: *Slavery, freedom, and the (dis)integration of African descendants in late colonial Chile. Representations and cultural practices in legal disputes, 1755-1818*
Committee: Jaime Valenzuela Marquéz, History Department, Universidad Catolica de Chile
Claudio Rolle, History Department, Universidad Catolica de Chile
Verónica Undurraga, History Department, Universidad Andres Bello, Chile
Alvaro Bello, Anthropology Department, Universidad Católica de Temuco, Chile
- 2006 B.A. History

GRANTS, FELLOWSHIPS & AWARDS

External Research Grants

- 2025-2026 BROWN UNIVERSITY – CLIMATE SOCIAL SCIENCE NETWORK
Farmer Protests against Nitrogen Policies: Understanding Resistance, Grievances, and Obstructions to Sustainable Nitrogen Governance. **W. San Martín** (PI, Worcester Polytechnic Institute), Anuradha Jayaweera (Co-PI, University of Peradeniya), Morten Graversgaard (Co-PI, Aarhus University), David Kanter (Co-PI, New York University). US \$24,500.
- 2024 -2028 U.S. NATIONAL SCIENCE FOUNDATION
Accelerating coordination across research and policy networks to halve nitrogen waste (iN-Net). D. Kanter (PI, NYU), P. Groffman (Co-PI, City University of New York), **W. San Martín** (Co-PI, Worcester Polytechnic Institute), and X. Zhang (Co-PI, University of Maryland Center for Environmental Sciences). Award 2412593. US\$1.49 million.
- 2023-2028 U.S. NATIONAL SCIENCE FOUNDATION
Co-producing Knowledge, Biotechnologies, and Practices to Enhance Biological Nitrogen Fixation for Sustainable Agriculture. L. Cheung (PI, Georgia Tech), **W. San Martín** (Co-PI, Worcester Polytechnic Institute), S. Takayama (Co-PI, Georgia Tech). Award 2319430. US\$2.6 million.
- 2022 -2023 PUBLIC INTEREST TECHNOLOGY UNIVERSITY NETWORK (PIT-UN) – GLOBAL SCHOOL, WORCESTER POLYTECHNIC INSTITUTE
Sustainable Development and the Global Nitrogen Challenge: Emerging Governance Actors, Policy Responses, and Socio-technological Conflict in the Global South. **W. San Martín** (PI, Worcester Polytechnic Institute) & M. Graversgaard (Co-PI, Aarhus University). Affiliated Researchers: G. Cunha-Zeri (Brazil's National Institute for Space Research), S. Olanipekun (Obafemi Awolowo University), A. Panda, (Kalinga Institute of Industrial Technology). US\$ 4,500.
- 2020 -2023 U.S. DEPARTMENT OF EDUCATION
International Studies and Foreign Language Program
Enhancing STEM Curriculum with Latin American and Caribbean Studies. J. Galante (PI, Worcester Polytechnic Institute), A. Madan (Co-PI, Worcester Polytechnic Institute), A. Rivera (Co-PI, Worcester Polytechnic

Institute), L. Elgert (Co-PI, Worcester Polytechnic Institute), & **W. San Martín** (Co-PI, Worcester Polytechnic Institute). US\$ 196,994.

Pedagogy-related Internal and External Grants

- 2025 MORGAN TEACHING AND LEARNING CENTER, WORCESTER POLYTECHNIC INSTITUTE Teaching Innovation Grants (2025). *Environmental Leadership Course*. C. Dehner (PI, WPI), M. Bakermans (Co-PI, WPI), **W. San Martín** (Co-PI, WPI). \$14,200.
- 2025-2026 AMERICAN SOCIETY FOR ENGINEERING EDUCATION (ASEE) Engineering for One Planet Grant (2025-2026). *Developing and Environmental Leadership Program for STEM students*. C. Dehner (PI, WPI), M. Bakermans (Co-PI, WPI), **W. San Martín** (consultant). \$8,000.

Awards, Honors, Fellowships & Scholarships

- 2023 OPEN EDUCATION GLOBAL (OEG)
Open Education Award for Excellence – Research Award
- 2021 GERMAN MINISTRY OF EDUCATION & RESEARCH, RACHEL CARSON CENTER FOR ENVIRONMENT & SOCIETY
Rachel Carson Fellowship
- 2019 ENVIRONMENTAL HISTORY RESEARCH CLUSTER AUSTRIA (EHCA)
EHCA Prize for Interdisciplinary Research in Environmental History
- 2019 WORCESTER POLYTECHNIC INSTITUTE
Global Lab Fellowship (US\$ 10,000)
- 2016 MASSACHUSETTS INSTITUTE OF TECHNOLOGY. School of Humanities, Arts, & Social Sciences
Pre-Doctoral Diversity Fellowship
- 2016 UNIVERSITY OF CALIFORNIA, DAVIS
Division of Social Sciences
Dean's Doctoral Fellowship for Excellence Award
- 2011-2015 U.S. DEPARTMENT OF STATE, FULBRIGHT COMMISSION – CHILE'S NATIONAL COMMISSION FOR SCIENTIFIC AND TECHNOLOGICAL RESEARCH
Equal Opportunities Doctoral Scholarship

Conference, Workshop & Research Travel Grants

- 2026 GLOBAL NITROGEN INNOVATION CENTER FOR CLEAN ENERGY AND THE ENVIRONMENT (NICCEE)
2026 Nitrogen Summer Institute and North American Nitrogen Governance Workshop
- 2025 GLOBAL NITROGEN INNOVATION CENTER FOR CLEAN ENERGY AND THE ENVIRONMENT (NICCEE)
2025 Nitrogen Summer Institute and North American Nitrogen Governance Workshop
- 2022 ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT (OECD)
Developing Roadmaps for Sustainable Nitrogen Management Workshop Grant
- 2021 UNIVERSITY OF KANSAS
Center for Military, War, and Society Studies
The United States, War, and the Environment in the Twentieth-Century Pacific World Conference Grant

- 2018-2020 WORCESTER POLYTECHNIC INSTITUTE
Humanities & Arts Department
Faculty Travel & Conference Grant
- 2016 UNIVERSITY OF CALIFORNIA, SANTA BARBARA
Latin American and Iberian Studies Program
Production/destruction: Latin America Environments Workshop Grant
- 2015 UNIVERSITY OF CALIFORNIA, DAVIS
Institute for the Social Sciences
Dissertation Improvement Grant
- 2015 UNIVERSITY OF CALIFORNIA, DAVIS
History Department
Reed-Smith Field Research Grant
- 2013 HARVARD UNIVERSITY
Law School, Institute for Global Law and Policy, & History Department
Law and International History Conference Fellowship
- 2013 MAX PLANCK INSTITUTE-EUROPEAN LEGAL HISTORY
Max Planck Summer Academy: Global Perspectives on Legal History Fellowship
- 2012 UNIVERSITY OF CALIFORNIA, DAVIS
Hemispheric Institute on the Americas
Tinker Summer Field Research Grant

PUBLICATIONS

Books

- 2023 O’Gorman, E., **San Martín, W.**, Carey, M., Swart, S. (Eds). *Routledge Handbook of Environmental History*. London and New York: Routledge.

International Environmental Assessments & Policy Reports

- 2027 *International Nitrogen Assessment*. United Nations Environment Programme (UNEP), International Nitrogen Management System (INMS), and Global Environment Facility (GEF). Published by Cambridge University Press.

***Invited contributing author, Chapter 28: “A Governance Framework for Better Nitrogen Management.” (In Press, expected to be published in January 2027)**

Textbooks and Open Educational Resources (*undergraduate student)

- 2023 Bakermans, M., *Hanly., **San Martín, W.** (Eds.), *Current Challenges in Biodiversity and Conservation*, Volume 1. Worcester Polytechnic Institute. <https://oercommons.org/courseware/lesson/97720>
- 2022 Bakermans, M., *Sadlon, A., **San Martín, W.** (Eds.), *Biodiversity Loss in the Age of the Sixth Mass Extinction* <https://www.oercommons.org/courses/biodiversity-loss-in-the-age-of-the-sixth-mass-extinction>
- 2021 Bakermans, M., *Gunnison, M., **San Martín, W.** (Eds.), *Extinction Stories* <https://www.oercommons.org/courses/extinction-stories>
- 2017 **San Martín, W.** *Energy, Environment, and Society: Global Politics, Technologies, and Ecologies of the Water-Energy-Food Crisis*. Full course material (MIT OpenCourseWare) <https://www.oercommons.org/courses/energy-environment-and-society-spring-2007>

Peer-Reviewed Journal Articles & Book Chapters

- 2026 Cunha-Zeri, G., Iyabano, A., Perry, K., **San Martín, W.** From Awareness to Political Will: Why Education and Engagement Are Essential for Sustained Action on Nitrogen Pollution. *Environment: Science and Policy for Sustainable Development*. In Press.
- 2026 Da Silva, C. M., Bailão, A. S., **San Martín, W.** Teoria e Historiografia em Tempos de Crise Climática e Consequências Sociais: Performances Sobre a Habitabilidade do Planeta [Theory and Historiography in Times of the Climate Crisis and its Social Consequences: Performances Addressing Planetary Habitability]. Introduction to dossier “Crises climáticas e consequências sociais: teoria, história, historiografia.” *Revista Tempo e Argumento*, v. 18, n. 47, 2026. In Press.
- 2025 Capozzola, C., **San Martín, W.** Animal Histories and The Pacific War: Decentering Violence and Destruction. In Bailey, B., Isenberg, A., Landsberg, P. (eds) *The US Military and the Pacific Environment: The Making of an American Lake*. Lawrence: University Press of Kansas.
- 2024 **San Martín, W.** La Revolución del Nitrógeno en Chile. Expertos, Instituciones y el Desafío de la Sustentabilidad Agrícola. [Chile’s Nitrogen Revolution: Experts, Institutions, and the Challenge for Agricultural Sustainability]. In C. Sanhueza, Valderrama, L. (Eds). *Historia de la Ciencia y la Tecnología en Chile*, Vol. 3 Medioambiente. Santiago: Editorial Universitaria.
- 2023 O’Gorman, E., Carey, M., **San Martín, W.**, Swart, S., Introduction: Framing Environmental History Today and for the Future. In E. O’Gorman, San Martín, W., Carey, M., Swart, S. (Eds). *Routledge Handbook of Environmental History*. London and New York: Routledge.
- 2022 Bakermans, M., LeChasseur, K., Pfeifer, G., **San Martín, W.** Who Writes and Who Responds? Gender and Race-based Differences in Open Annotations. *Journal of Multicultural Education*. 16, 5, 508-521 <https://doi.org/10.1108/JME-12-2021-0232>
- *Dossier Awarded the “2023 Open Education Awards for Excellence -Open Research Award” from Open Education Global (OEG)**
- 2022 **San Martín, W.**, Wood, N. Pluralizing Planetary Justice: Recentering procedural, epistemic, and recognition-based justice in earth-systems governance. *Environmental Science & Policy*. 128. 256-263 <https://doi.org/10.1016/j.envsci.2021.12.002>
- 2021 **San Martín, W.** Unequal Knowledge: Justice, Colonialism, and Expertise in Global Environmental Research. *Global Environment*, 14. 2. 423-430
- 2020 **San Martín, W.** Global Nitrogen in Sustainable Development: Four Challenges at the Interface of Science and Policy. In W. Leal Filho, Azul, A., Brandli, L., Salvia, A., Wall T. (Eds). *Life on Land. Encyclopedia of the U.N. Sustainable Development Goals*. Cham: Springer. https://doi.org/10.1007/978-3-319-71065-5_114-1
- 2019 Montecino-Latorre, D., **San Martín, W.** Evidence supporting that human-subsidized free-ranging dogs are the main cause of animal losses in small-scale farms in Chile. *Ambio: A Journal of the Human Environment* 48, 240–250 <https://doi.org/10.1007/s13280-018-1066-3>
- 2017 **San Martín, W.** Nitrogen, Science, and Environmental Change: The Politics of the Green Revolution in Chile and the Global Nitrogen Challenge. *Journal of Political Ecology*. 24. 1. 777-796 <http://dx.doi.org/10.2458/v24i1.20966>
- 2013 **San Martín, W.** De objeto y sujeto. Esclavitud, personalidad legal y la decoloración de lo servil en Chile tardo colonial [From Object and Subject. Slavery, Legal Personality, and the Blurring of Servitude in Late Colonial Chile]. *Revista de Historia Social y de las Mentalidades* 17. 2. 143-160
- 2010 **San Martín, W.** Colores Oscuros y Estatus Confusos. El Problema de la Definición de Categorías Étnicas y del Estatus de ‘Esclavo’ y ‘Libre’ en Litigios de Negros, Mulatos y Pardos (Santiago a Fines del Siglo XVIII) [Dark Colors and Blurred Status: Defining Ethnicity and the Categories of 'Slave' and 'Free' in Slave Litigation (Santiago, Chile in the Late 18th Century)] In A. Araya, Valenzuela, J. (Eds). *Denominaciones, Clasificaciones e Identidades en América Colonial*, Santiago: RIL.
- 2007 **San Martín, W.** Esclavitud, Libertades y Resistencias. Hacia una Propuesta Integrativa a las Condiciones de la Negritud en Chile. S. XVIII [Slavery, Freedom, and Resistance: Towards an Integrated Approach to the Conditions of Blackness in 18th Century Chile]. *Summa Historiae. Journal of Latin American Studies* 2. 2. 195-209
- 2006 **San Martín, W.** Presencias africanas en Chile. Circulaciones, relaciones pluriétnicas y emergencias culturales afromestizas. Siglos XVII-XVIII [African Presences in Chile. Circulations, pluri-ethnic relations, and cultural constructs. 17th and 18th Centuries]. *Seminario Simon Collier 2006*, Santiago: LOM.

Book Reviews

- 2024 **San Martín, W.** Thomas D. Rogers. Agriculture's Energy: The Trouble with Ethanol in Brazil's Green Revolution [University of North Carolina Press, Chapel Hill, 2022]. *Environmental History*, 29, 4.
- 2015 **San Martín, W.** Hugh S. Gorman, The Story of N. A Social History of the Nitrogen Cycle and the Challenge of Sustainability [Rutgers University Press, New Brunswick, New Jersey, and London, 2013] *HIB, Revista de Historia Iberoamericana* 8.
- 2012 **San Martín, W.** Pablo Piccato, The Tyranny of Opinion. Honor in the Construction of the Mexican Public Sphere [Duke University Press, Durham and London, 2010] in *HIB, Revista de Historia Iberoamericana*, 1.
- 2012 **San Martín, W.** Mónica Quijada (Ed.), De los Cacicazgos a la Ciudadanía. Sistemas Políticos en la Frontera, Río de la Plata, Siglos XVIII-XX [Ibero-Amerikanisches Institut, Gebr. Mann Verlag, Berlin, 2011] in *Revista Complutense de Historia de América*, Vol. 38, 2012.

Essays & Editorials

- 2024 **San Martín, W.** "The Forgotten Super Pollutant: An Epilogue on the History of Pollution Governance" *NiCHE*, October 21st 2024 <https://niche-canada.org/2024/10/21/nitrous-oxide-the-forgotten-super-pollutant/>
- 2022 **San Martín, W.** "Geopolitics of the New Chilean Constitution: Neoliberal Policies, Rights of Nature, and Epistemic Justice" [Geopolítica de la Nueva Constitución: Política Neoliberal, Derechos de la Naturaleza y Justicia Epistémica] *Jacobin*, August 30th 2022 <https://jacobinlat.com/2022/08/30/geopolitica-de-la-nueva-constitucion/>
- 2020 **San Martín, W.**, Vlachos, A., Wynn, G. "Epidemics & Ecologies. Reading in the Time of COVID-19" *ICEHO*, 2020 <http://www.iceho.org/reading-in-the-time-of-covid-19>
- 2018 **San Martín, W.** "Dogs: a Socio-ecological Justice Issue" [Perros: un Problema de Justicia Socio-ambiental] *El Mostrador*, June 28th 2018 <http://www.elmostrador.cl/noticias/opinion/2018/06/28/perros-un-problema-de-justicia-socio-ambiental/>
- 2017 Montecino-Latorre, D., **San Martín, W.** "Presidential Candidates: What Do We Do with the Dogs?" [Presidenciables: Y qué hacemos con los perros?] *El Mostrador*, January 17th 2017 <http://www.elmostrador.cl/noticias/opinion/2017/01/17/y-que-hacemos-con-los-perros/>
- 2016 **San Martín, W.**, Duque-Wilckens, N., "Criticism of the Rodeo and the Paradigm Shift in Chile" [Las Críticas al Rodeo y el Cambio de Paradigmas en Chile] *El Mostrador*, September 16th 2016 <http://www.elmostrador.cl/noticias/opinion/2016/09/16/las-criticas-al-rodeo-y-el-cambio-de-paradigmas/>
- 2016 Montecino-Latorre, D., **San Martín, W.** "Irresponsible Pet Ownership" [Tenencia Irresponsable de Mascotas] *La Tercera*, June 21st 2016 <https://www.latercera.com/noticia/tenencia-irresponsable-de-mascotas/>
- 2016 Montecino-Latorre, D., **San Martín, W.** "Rethinking the Zoo" [A Repensar el Zoológico] *El Mostrador*, May 25th 2016 <http://www.elmostrador.cl/noticias/opinion/2016/05/25/a-repensar-el-zoologico/>
- 2016 **San Martín, W.** "Abolishing Slavery. Being enslaved and free in late colonial Chile" [Abolición de la esclavitud. Ser esclavo y libre en Chile tardo colonial] *Memoria Chilena*, August 10th 2008. National Library of Chile, Division of Libraries, Archives and Museums (DIBAM).

INVITED TALKS & ACADEMIC CONFERENCE PRESENTATIONS

Invited Talks & Public Lectures (Off-Campus)

- 2026 **San Martín, W.** *Addressing Social Barriers and Farmers' Backlash to Nitrogen Policies: Enabling Conditions for National Action Plans*. Workshop with Agricultural Negotiators of the Sharm el-Sheikh joint working group of the United Nations Framework Convention on Climate Change (UNFCCC) on implementation of climate action on agriculture and food security: From International Momentum to National Action: Towards the Ambition of Halving Nitrogen Waste and pollution by 20230 and beyond. Bonn, Germany.
- 2026 Kanter, D., **San Martín, W.** *From Knowledge to Policy: The International Nitrogen Network and Global Nitrogen Governance Challenges*. Rendez-Vous GreenSeas Seminar, French National Research Institute for Agriculture, Food and Environment (INRAE) (Online).

- 2025 **San Martín, W.** *Advancing Transformative Governance for Sustainable Nitrogen Futures*. United Nations Environment Assembly (UNEA 7) Side Event: Sustainable Nitrogen Solutions for a Resilient Planet. United Nations Environment Program, Nairobi, Kenya.
- 2025 **San Martín, W.** *Nutrient Governance at a Crossroads: Phosphorus Limits, Green Ammonia Pathways, and Agroecological Futures from Below*. UNEP 2025 Global Partnership on Nutrient Management (GPNM) Annual Meeting: Mobilizing Action for Sustainable Nutrient Management. United Nations Environment Program, Nairobi, Kenya (Online).
- 2025 **San Martín, W.** *Why Social Dimensions Decide the Future of Nitrogen Governance*. Technical Session of the UNEP Working Group on Nitrogen: Social Dimensions of Sustainable Nitrogen Management. United Nations Environment Program, Nairobi, Kenya (Online).
- 2024 **San Martín, W.** *Global Nitrogen Governance: Towards a Research-Action Agenda at the Intersection of Science, Policy, and Society*. 9th Global Nitrogen Conference, New Delhi, India [Keynote Speaker]
- 2023 **San Martín, W.** *Contribuciones desde Latinoamérica al debate conceptual sobre justicia climática y transición justa* [Climate Justice and Just Transitions: Contributions from Latin America] (Webinar Panelist). Center for Climate and Resilience Research (CR2), Universidad de Chile, Santiago, Chile.
- 2023 **San Martín, W.** *Recentering Justice in Climate Governance: Expertise, Conflict, and Sustainable Development in the Global South*. Spring Faculty Panel Series: Climate Change: Adaptation, Impact, and Science. Schiller Institute for Integrated Science and Society, Boston College, Boston, USA.
- 2023 **San Martín, W.** *Justice as Biogeochemical Governance: Multispecies Justice, Rights of Nature, and the Struggle over More-than-Human Sovereignty*. Workshop: Climate Justice and Extractive Economic Policies in Latin America and the Caribbean, Watson Institute for International and Public Affairs, Brown University, Providence, USA.
- 2022 **San Martín, W.** *What the Environmental Governance Literature can tell us about Nitrogen Roadmaps*. Developing Roadmaps for Sustainable Nitrogen Management Workshop. Organisation for Economic Cooperation and Development (OECD) and Institut d'études Avancées de Paris, Paris, France
- 2022 **San Martín, W.** History Graduate Student Conference: *Crisis and Change across the Anthropocene: Environments, Conflicts, and Inequalities*, Northeastern University, Boston, USA [Keynote Panel Speaker]
- 2021 Capozzola, C., **San Martín, W.** *Animal Histories of the Pacific War*. Symposium: The United States, War, and the Environment in the Twentieth-Century Pacific World. University of Kansas, Kansas, USA.
- 2021 **San Martín, W.** *Governing Nitrogen Species: Global Biogeochemical Cycles, Inequalities, and the Rise of Earth System Governance*. Arnold and Mabel Beckman Center for the History of Chemistry - Science History Institute, Philadelphia, USA. Spring 2021 Lecture Series: Humans, Chemistry, and the Natural World [Online].
- 2021 **San Martín, W.** *Unequal Futures: Linking Nitrogen Species, Epistemologies, and Ontologies in Sustainable Development Governance*. Colloquium, Rachel Carson Center for Environment & Society, Munich, Germany
- 2020 **San Martín, W.** *Unequal Quantifications and Epistemologies of Nitrogen Flows: Linking Expertise, Ontology, and Policy in Global Nitrogen Governance*. Workshop Toolbox of Environmental Governance: Numbers, Metrics, and Acronyms - SPHERE Programme: Study of the Planetary Human-Earth Relationship: The Rise of Global Environmental Governance, KTH Royal Institute of Technology, Sweden [Online].
- 2020 **San Martín, W.** *Eating Animals and The Politics of Sight: Researching Violence Across Species in Modern Democracies*. (Invited to the Politics of Food Seminar taught by Prof. Heather Silber Mohamed), Department of Political Science, Clark University, Worcester, USA.
- 2019 **San Martín, W.** *Unequal Metrics and Epistemologies of Nitrogen Flows: Linking Expertise, Ontology, and Policy in Global Nitrogen Science and Policy*. Science, Technology and Society Studies (MUSTS) Research Programme, Maastricht University, Maastricht, the Netherlands.
- 2018 **San Martín, W.** *Cold War Politics and the Struggle for Global Sustainability*. Science, Technology, and Society Program (STS) and Political Sciences Department, Tufts University, Somerville, USA.
- 2018 **San Martín, W.** *Global Nitrogen, Expertise, and Environmental Governance*. Department of Environmental Studies, New York University, New York, USA.
- 2018 **San Martín, W.** *Nitrogen Revolutions: Agricultural Expertise, Public Policy, and the Struggle for Environmental Sustainability in Cold War Chile*. History Department, Rutgers University, Newark, USA.
- 2017 **San Martín, W.** *The Global Nitrogen Challenge: Science, Policy, and the Struggle for Environmental Sustainability in Cold War Chile*. Program in Science, Technology, and Society & History Section. Massachusetts Institute of Technology, Cambridge, USA.
- 2017 **San Martín, W.** *Chile's Nitrogen Revolution: Expertise, Technology, and Policy*. Annual Harvard-MIT-Princeton Workshop on the History of the Physical Sciences. Princeton University, Princeton, USA.
- 2017 **San Martín, W.** *Agricultural Modernization, Science, and Environmental Change in Chile. Teaching History for a Sustainable Future*. Dialogues Between History, Science, and Education. School of Education, Universidad San Sebastián, Concepción, Chile.

- 2016 **San Martín, W.** *Nitrogen, Science, and Environment. A Transnational History of Agricultural Modernization and the Challenge of Sustainability in Chile.* History Department, Pontificia Universidad Católica de Chile, Santiago, Chile.
- 2016 Montecino-Latorre, D., **San Martín, W.**, Silva, E. *Socio-environmental Impacts of Free-Ranging Dogs in Chile. Challenges for Animal Welfare, Biodiversity Conservation, Public Health, and Policy.* ChileGlobal Seminar. University of California Davis, Davis, USA.
- 2016 **San Martín, W.** *Nitrogen Revolutions. The Transnational Politics of Nitrogen Science, the Green Revolution, and Environmental Change in Cold War Chile.* Production/Destruction: Latin American Environments Workshop. Latin American and Iberian Studies Program. University of California, Santa Barbara, USA.
- 2007 **San Martín, W.** *Slavery and Afro-disintegration. Historical, Theoretical and Methodological Challenges from the Chilean Case,* Launching of the Journal of Latin American Studies Summa Historiae (Special Issue: African Slavery in the Americas), Department of Social Sciences, Universidad Nacional Mayor de San Marcos and Department of Humanities, Universidad Federico Villarreal, Lima, Peru.

Invited Talks & Public Lectures (On-Campus)

- 2023 **San Martín, W.** *Justice in Sustainable Development Science, Technology, and Policy.* Guest Speaker, Engineers Without Borders USA -WPI Chapter Annual Fundraising Event, Worcester, USA.
- 2020 **San Martín, W.** *Linking Justice and Sustainability. Lessons from three decades of project-based education & institutional partnerships across the Americas,* Global School Launching Event Series: Latin America, Worcester Polytechnic Institute, Worcester, USA.
- 2019 **San Martín, W.** *Sustainability and the Role of Hispanics in Sustainability-related Research.* Keynote Speaker for the General Meeting of the Society of Hispanic Professional Engineers (WPI Chapter), Worcester Polytechnic Institute, Worcester, USA.
- 2019 **San Martín, W.** *The Global Nitrogen Challenge and Chile's Nitrogen Revolution: Science, Policy, and the Struggle for Environmental Sustainability.* Public Lecture for Arts & Sciences Week: Latin American Studies Faculty Lighting Talks. Worcester Polytechnic Institute, Worcester, USA.
- 2019 **San Martín, W.** *The History of the Fulbright Exchange Program: Rethinking International Development and the Exchange of Knowledge and Technologies in the 21st Century.* Keynote Speaker for WPI's Annual Fulbright Scholars Reception. Worcester Polytechnic Institute, Worcester, USA.
- 2019 **San Martín, W.** *Understanding International Development in Context: Global Science & Technology Studies (STS) + Justice.* Research and Innovation Symposium. Worcester Polytechnic Institute, Worcester, USA.
- 2019 **San Martín, W.** *Mathematical [Arti – Facts + Anti – Poetry]² = $\frac{\sqrt{\text{Translation}}}{\text{Language}}$ + (Innovation)^t.* Keynote Speaker for Mathematical Sciences Annual Award Ceremony. Mathematical Sciences Department. Worcester Polytechnic Institute, Worcester, USA.
- 2019 **San Martín, W.** *Indigenous Knowledge and Climate Justice: Lessons from the Global South.* Guest lecturer for Introduction to International and Global Studies Class (Invited by Prof. John Galante). Worcester Polytechnic Institute, Worcester, USA.

Professional Society Conferences and Meetings

- 2026 Vance, E., **San Martín, W.** Farmer Protests and the Limits of Nitrogen Regulation. *Global Food+ Symposium.* Boston, United States.
- 2025 Graversgaard, M., Kirby, M. **San Martín, W.**, Kanter, D. Crossing boundaries: Comparing European national nitrogen policies – different agenda setting and governance frameworks. *European Consortium for Political Research,* Thessaloniki, Greece.
- 2025 **San Martín, W.** Roundtable Panelist: Environmental History Beyond the Academy: Reaching (and Shaping) Broader Publics. *American Society for Environmental History,* Pittsburgh, Pennsylvania, USA.
- 2024 **San Martín, W.** Chair. Roundtable: Future Directions in Environmental History. *4th World Congress of Environmental History,* Oulu, Finland.
- 2024 **San Martín, W.**, Silva, Barbara. Panel Co-organizer: Grasping the Planetary from the South: Southern Knowledges and Technologies in Global Environments. *4th World Congress of Environmental History,* Oulu, Finland.
- 2024 **San Martín, W.** Postcolonial Planetary Boundaries: Remaking Global Nitrogen Governance from Latin America, South Asia, and Africa. *4th World Congress of Environmental History,* Oulu, Finland.

- 2024 **San Martín, W.**, Graversgaard, M., Panda, A., Cunha-Zeri, G., Olanipekun, S. Understanding Policy Responses to Nitrogen in Latin America, South Asia, Africa, and Europe. *9th Global Nitrogen Conference*, New Delhi, India.
- 2024 **San Martín, W.** Roundtable Panelist: Next steps for nitrogen policy analysis. *9th Global Nitrogen Conference*, New Delhi, India.
- 2023 **San Martín, W.**, Chomsky, A. Panel Co-organizer: Climate Justice in Latin America & the Caribbean. *New England Council of Latin American Studies Conference*, Worcester, Massachusetts, USA.
- 2023 **San Martín, W.** More-than-Human Sovereignty and Rights of Nature in the Anthropocene. *New England Council of Latin American Studies Conference*, Worcester, Massachusetts, USA.
- 2023 **San Martín, W.** Keynote Panelist: Agriculture as a “nature-based climate solution”: What can agricultural history bring to the table? *Agricultural History Society*, Knoxville, Tennessee, USA.
- 2022 **San Martín, W.** Roundtable Panelist: Envisioning a Handbook of Environmental History. *European Society of Environmental History Conference*, Bristol, UK.
- 2021 **San Martín, W.** Organizer & Chair: Governing Environmental Inequalities: Towards a Research-Action Framework on Agency, Power & Multispecies Justice. *Society for Social Studies of Science*. Online.
- 2021 **San Martín, W.** Unequal Quantifications and Epistemologies of Global Nitrogen Flows: A Science-Policy Interface Issue. *8th Global Nitrogen Conference*. Online.
- 2020 **San Martín, W.** The Place of Nitrogen Management in Sustainable Development Policy: Linking Nitrogen Forms, Epistemologies, and Policies. *Association for Environmental Studies and Sciences*. Online.
- 2020 **San Martín, W.** Organizer & Chair Roundtable: Diversifying Ontologies & Epistemologies. Roundtable sponsored by the Committee on Diversity, Inclusion, and Equity (CODIE). *American Society for Environmental History*, Ottawa, Canada [Postponed due to Covid-19]
- 2020 **San Martín, W.**, Horan, C., Roundtable Co-Organizer: Capitalism, Markets, and Natures *American Society for Environmental History*, Ottawa, Canada [Postponed due to Covid-19]
- 2019 **San Martín, W.** Panel Discussant: Domestic Technologies: Ecologies, Disease, & Global Development. *Society for Social Studies of Science*, New Orleans, USA.
- 2019 **San Martín, W.** The Place of National Science in Transnational Environmental Governance: Chile's Nitrogen Revolution and the Global Nitrogen Challenge. *3rd World Congress of Environmental History: Global South and the Global North in the Era of Great Acceleration*, Florianópolis, Brazil.
- *Awarded the 2019 EHCA Prize for Interdisciplinary Research in Environmental History**
- 2019 **San Martín, W.** Organizer & Roundtable Panelist: Quantification, Models, and Metrics in Environmental Knowledge and Policy. *American Society for Environmental History*, Columbus, OH, USA.
- 2018 **San Martín, W.** Organizer & Roundtable Panelist: Environmental History for Public Policy: Epistemological, Methodological, and Practical Challenges. *American Society for Environmental History*, Riverside, CA, USA.
- 2017 **San Martín, W.** Writing a Transnational History of the Global Nitrogen Challenge. *New Perspectives in Environmental History Conference*, Yale University, CT, USA.
- 2017 **San Martín, W.** Nitrogen Science, Technologies, and Policy. A Transnational History of Agro-ecological Change in the Americas. *Society for Social Studies of Science*, Boston, MA, USA.
- 2017 **San Martín, W.** Nitrogen Fertilizers, Science, and Environmental Change in Latin America: History, Policy, and the Global Nitrogen Challenge for the 21st Century. *American Association of Geographers Conference*. Boston, MA, USA.
- 2016 **San Martín, W.** Writing a Transnational History of Nitrogen Loss and Efficiency. Junctions and Disjunctions of Agricultural Sciences, Policy and Sustainability in Cold War Chile. *Association for Environmental Studies and Sciences*. Washington D.C., USA.
- 2016 **San Martín, W.** Nitrogen Fertilization and Environmental Degradation. The Politics of Nitrogen Science and Policy in Cold War Chile. *Agricultural History Society*, New York, NY, USA.
- 2014 **San Martín, W.** Leguleyos Contesting the State: Misconduct, Legal Cultures and Judicial Reform in Late and Postcolonial Nueva Granada. *Latin American Studies Association*, Chicago, IL, USA.
- 2013 **San Martín, W.** “Without Enough Knowledge or a Legal Degree”: Lawyers, Misconduct and Professionalization in Late Colonial Nueva Granada. *60th Annual Conference of the Rocky Mountain Council for Latin American Studies*, Albuquerque, NM, USA.
- 2013 **San Martín, W.** *Pettifoggers Contesting the State: The Legal Profession and Judicial Misconduct in Late and Post-colonial Colombia and Venezuela*. 13th Annual Harvard Graduate Student Conference: Law & International History, Cambridge, MA, USA.

- 2010 **San Martín, W.** Colors, Powers, and Witnesses: Practices and Representations about Black Slavery in Legal Disputes. Chile, late 18th century. Symposium “Power: Practices, Representations and Symbolic Worlds in Colonial and Republican Latin America,” *II Congress of Science, Knowledge and Technology: Dialogue Between the Fields of Knowledge*, Santiago, Chile.
- 2009 **San Martín, W.** Dark Colors and Blurred Status. Defining Ethnic Categories and the Status of 'Slave' and 'Free' in Slave Litigation (Santiago, Chile in the Late 18th Century). Colloquium *Denominations, Classifications, and Identities in Colonial America*, Santiago, Chile.
- 2009 **San Martín, W.** Africa in the Nation. Founding Speeches and Subdued Colors. Approaches to the Integration and Disintegration of African Descendants in Late Colonial Chile. *First Congress on the History of Asia and Africa*. Santiago, Chile.

TEACHING EXPERIENCE & RESEARCH SUPERVISION

Research and Graduate Level Supervision

- **Marcela Cely-Santos** (NSF-Funded Postdoctoral Researcher). Co-Producing Knowledge, Biotechnologies, and Practices to Enhance Biological Nitrogen Fixation for Sustainable Agriculture. Worcester Polytechnic Institute, Department of Integrative & Global Studies. 2024–2027.
- **Eleanor Vance** (Externally Funded Graduate Research Assistant). Farmer Protests against Nitrogen Policies: Understanding Resistance, Grievances, and Obstructions to Sustainable Nitrogen Governance. Worcester Polytechnic Institute, Department of Integrative & Global Studies. 2025–2026.
- **Kelly Perry** (NSF-Funded Research Fellow), International Nitrogen Network (iN-Net). Research development and coordination within the iN-Net Governance Working Group. Nicholas School of the Environment, Duke University. 2025–present.
- **Chigozie Nweke-Eze** (NSF-Funded Research Fellow), International Nitrogen Network (iN-Net). Research development and coordination within the iN-Net Governance Working Group. Environmental Change Institute, School of Geography and the Environment, University of Oxford. 2026–present.
- **Kerstin Kessler** (M.A., Social and Cultural Anthropology) and **Vera Klünder** (Master of Public Health). Recentering Farmers’ Perspectives in Agricultural Transitions: Analyzing Perspectives and Experiences of Sustainability-Leaning Farmers in Bavaria. Environmental Studies Graduate Certificate Program, Ludwig-Maximilians-Universität München. 2021.

Teaching Experience

Worcester Polytechnic Institute

- *Human Dimensions of Climate Change* [Graduate Seminar] Fall 2024
- *Qualitative Methods for Community-Engaged Research* [Graduate Seminar] Fall 2023
- *Social Science Research Methods*, Spring 2023, 2024
- *Environmental Justice in the Global Caribbean and Latin America*, Spring 2023, 2024
- *Global Climate Justice* [Research Seminar] Spring 2022, 2023
- *Global Environmental Governance* [Research Seminar] Spring 2022
- *Global Environmental Policy* [Research Seminar] Spring 2020
- *Topics in Environmental History: Race and Environmental Justice*, Fall 2018, Fall 2020, Fall 2021
- *Extinctions* [1st Year Research Experience] (Co-taught with Marja Bakermans, Biology Department), Fall 2020, 2021, 2022, 2024
- *Introduction to Environmental History*, Fall 2019, Fall 2020, Fall 2021
- *The British Empire: Science, Ecology, and (Under)Development*, Spring 2019, Spring 2020
- *Numbers and Socioecological Change: Quantifications, Metrics, and Models in Environmental Sciences & Policies* [Research Seminar] Winter 2019
- *Sustainable Innovation Hubs: Global Environmental Innovation, Technology, and Society* [Research Seminar] Spring 2019
- *20th-Century U.S. Foreign Relations: International Development, Technology, and the Global Environment*, Spring 2019
- *Topics in Global Studies: The Science and Politics of Animal Rights*, Fall 2018

- *Introduction to the History of Science and Technology*, Fall 2018, Fall 2019
- Faculty Co-Advisor for Interactive Qualifying Projects (Undergraduate Science, Technology & Society Projects, working with local organizations on sustainability and development at Project Centers in Monteverde, Costa Rica and Cuenca, Ecuador). ~50 Students. Fall 2019/2023 and Spring 2020/2024.

Massachusetts Institute of Technology

Program in Science and Technology Studies

- *Global Politics, Technologies, and Ecologies of the Water-Energy-Food Crises*, Spring 2018 [Course syllabus and materials available at [MIT OpenCourseware: http://ocw2.mit.edu/courses/science-technology-and-society/sts-032-energy-environment-and-society-global-politics-technologies-and-ecologies-of-the-water-energy-food-crises-spring-2018/](http://ocw2.mit.edu/courses/science-technology-and-society/sts-032-energy-environment-and-society-global-politics-technologies-and-ecologies-of-the-water-energy-food-crises-spring-2018/)]

History Section

- *Latin America: Revolution, Democracy, and Dictatorship*, Fall 2018

Universidad Católica de Chile

History Department

- *Colonial Latin American History* (Co-instructor) Fall 2010

Center for Teaching Development

- *Student-centered learning and teaching practices* [Instructor - Workshop for Graduate Teaching Assistants at the School of History, Political Science, and Geography] Spring 2009

School of Education, Postgraduate Program (Co-instructor)

- *Chile and Latin America in the 21st Century: Globalization, Citizenship & Identity* [Graduate Program for Middle and High School Teachers] Spring 2009

Center for the Study and Development of Academic Talents, Penta UC (Instructor - Educational Program for Gifted Youth from Vulnerable Neighborhoods in Santiago, Chile)

- *Black Slavery(ies) and the Creation of the Afro-Americas*, Spring 2009, 2010
- *Youth Gangs, Criminality, and Legal Cultures in Modern Latin America*, Fall 2009

Universidad Diego Portales

School of Social Sciences and History (Instructor)

- *Black Slavery in the Americas* (Research Seminar) Spring 2009
- *Black Slavery in Chile: History of a Mestizo Nation*, Fall 2009

PROFESSIONAL SERVICE

Professional Organizations

International Nitrogen Network (iN-Net)

Co-Principal Investigator
Governance Working Group Chair
Executive Committee Member

American Society for Environmental History (ASEH)

Nominated for elected ASEH Council Position (2025)
Search Committee, ASEH's Executive Director (2024)
Graduate Fellowship Prize Committee (2023, 2024)
Vice-Chair Program Committee for the 2021 Annual Conference (Canceled due to Covid-19)

International Nitrogen Initiative (INI) - North American Chapter

Steering Council Member (2022-)

Association for Environmental Studies & Sciences (AESS)

Nominated for election to an AESS Board position (2021)
Elected Member, Nominations Committee (2019-2021)

Rachel Carson Center for Environment and Society (RCC) – Ludwig-Maximilians-Universität München
Curator, collections “Technology and Expertise” & “Histories Across Species” for the peer-reviewed, open-access journal *Arcadia: Exploration in Environmental History* (2019-)

International Consortium of Environmental History Organizations (ICEHO)
Media and Digital Communications Manager (2018-2023)

II International and Interdisciplinary Conference on Cultural Patrimony, University of Guadalajara, Mexico
International Scientific Committee Member (2018)

I International and Interdisciplinary Conference on Cultural Patrimony, Universidad San Sebastián, Chile
Organization Committee Member (2016)

Department & University

Worcester Polytechnic Institute
Ad Hoc Committee Member:

- Global School Strategic Task Force Committee (2023-)
- Arts & Sciences - Global School Alliance Committee Subgroup: Developing partnerships across the schools to support graduate programs (2022-)
- Department of Integrative & Global Studies - Collaboration for a Better World Speaker Series Committee (2022-2025)
- Latin American & Caribbean Studies Initiative Steering Committee (2018-2026)
- Graduate Program in Public Policy Advisory Committee (2019)

Government & Non-Profit Organizations

NUDISUR – Núcleo de Investigación del Sur
International non-profit organization based in Chiguayante, Chile, fostering collaborations for decolonial and community-engaged research in the Global South.
Affiliated Researcher (2023-)

OTEC Cultura y Territorio
Local community-based educational organization working on cultural patrimony, sustainability, and community organization in Concepción and Lota, Chile.
Assessor, program and curriculum development. (2021-)

National Institute for Agricultural Development (INDAP)
Department of Agriculture, Government of Chile
Collaborator and Project Assessor: “Assessing socio-ecological impacts of free-ranging dogs among small-scale farmers and indigenous communities” INDAP and *Indigenous Territorial Development Program* (PDTI) (2016-2018)

ConScientiaGroup
International non-profit organization focused on environmental issues in Chile
Co-founder (2016), Project Co-director (2016-2017) “Assessing socio-ecological impacts of free-ranging dogs: biodiversity, environment, public health, and economics.”

Chile-California Council
International non-profit organization based in San Francisco, strengthening research and collaboration between Chile and California
Organizer, Content and Program Director. 4th Annual Chile-California Conference, Davis, CA, USA (2015)

Chilean Students' Association at University of California, Davis
Graduate student organization
Vice-president (2014)

PROFESIONAL MEMBERSHIPS

Society for Social Studies of Science
American Society for Environmental History
Association for Environmental Studies & Sciences

AD HOC MANUSCRIPT REVIEWER

Grant Reviews

2025 European Research Council - Synergy Research Grants

Book Manuscript Reviews

2024 MIT Press

Environmental Assessments Reviews

2022, 2023 International Nitrogen Assessment

Journal Manuscript Reviews

2026 Nature Communications
2024 Applied Energy
2024 Case Studies in the Environment
2024 AMBIO: A Journal of the Human Environment
2023 Toxicon: An Interdisciplinary Journal on the Toxins Derived from Animals, Plants and Microorganisms
2023 Globalizations
2022 Nature Sustainability
2021 Critical Policy Studies
2020 Global Environment: A Journal of History and Natural and Social Sciences
2020 Engineering Studies: Journal of the International Network for Engineering Studies
2020 Diálogo Andino: Journal of Andean History, Geography, and Culture
2016 História Unisinos
2016 Brújula: Interdisciplinary Journal of Latin American Studies
2013, 2018 Revista de Historia Social y de las Mentalidades

INTERVIEWS AND PUBLISHED MATERIALS FEATURING WORK

Interviews by Press

2022 "Chilean scholars examine the Chilean constitutional process" [Académicos Chilenos analizan el proceso constituyente]. *The Clinic*. July 2, 2022 <https://www.theclinic.cl/2022/07/02/seis-academicos-chilenos-analizan-proceso-constituyente/>

- 2018 “The Zoo, should we have it? The intense debate arrives in Santiago” [“Zoológico, ¿debemos tener uno? El intenso debate que llega a Santiago”]. *La Tercera*. Sept 15, 2018. <https://www.latercera.com/reportajes/noticia/zoologico-debemos-uno-intenso-debate-llega-santiago/321238/>
- 2017 “Historians Condemn the Rodeo: No Longer Responds to the Chilean Culture of the Present, They Assure” [“Historiadores ponen la lápida al rodeo: ya no responde a la cultura del Chile del presente aseguran”] *El Mostrador*, August 29, 2017. <http://www.elmostrador.cl/cultura/2017/08/29/historiadores-ponen-la-lapida-del-rodeo-ya-no-responde-a-la-cultura-del-chile-del-presente/>
- 2015 “History Ph.D. Candidate Helps Host Chile California Conference,” *UC Davis College of Letters and Science*. October 14 2015. <https://lettersandscience.ucdavis.edu/news/history-phd-candidate-helps-host-chile-california-conference>
- 2015 “UC Davis prepares to host the Chile-California Conference again” [“UC Davis se prepara para albergar nuevamente la Chile-California Conference”] *UC Davis Chile Life Sciences Innovation Center*, September 8 2015 <https://chile.ucdavis.edu/es/news/uc-davis-se-prepara-para-albergar-nuevamente-la-chile-california-conference>

By Government & Intergovernmental Organizations

- 2023 *Progress in the implementation of resolutions 4/14 and 5/2 on sustainable nitrogen management*, United Nations Environment Assembly of the United Nations Environment Programme, Sixth Session, Kenya <https://documents.un.org/doc/undoc/gen/k23/043/68/pdf/k2304368.pdf>
- 2023 *Sustainable Nitrogen Management and the Role of Geneva*, Geneva Environment Network, Swiss Federal Office for the Environment and United Nations Environment Programme, Switzerland <https://www.genevaenvironmentnetwork.org/resources/updates/sustainable-nitrogen-management-and-the-role-of-geneva/>
- 2023 *Staff Assessment Report - Advice to the Decision-making Committee on APP204535*, Environmental Protection Authority, New Zealand Government, New Zealand <https://www.epa.govt.nz/assets/FileAPI/hsno-ar/APP204535/APP204535-Staff-assessment-report.pdf>

By Research and Educational Organizations

- 2025 *The Routledge Handbook of Environmental History*, Most Popular Teaching History Books, Perlego Digital Textbook Library, UK <https://www.perlego.com/discover/subtopic/302/teaching-history/books>
- 2025 *Reflecting on The Routledge Handbook of Environmental History: A conversation with the editors*. European Society for Environmental History: ESEH Notepad, Published in *Environment and History* 31 (2), 2025 doi: 10.3828/whpeh.63861480327356
- 2025 Animal Science and Conservation (OERs for Academics Guide), Deakin University, Australia <https://deakin.libguides.com/oer-discipline/animal>
- 2024 *The Role of Social Science in Nitrogen Research* (Online Course), University of Edinburgh, UK <https://www.edx.org/learn/environmental-science/the-university-of-edinburgh-the-role-of-social-science-in-nitrogen-research>

- 2024 *Environmental History Reading Group*. Economic History, Climate, and the Environment - Joint Center for History and Economics, Harvard University, USA
https://histecon.fas.harvard.edu/ehc/reading_group.html
- 2024 *HIST BC2385 Global Environmental History* (Research Guide), Barnard College, USA
<https://guides.library.barnard.edu/c.php?g=1422746&p=10550200>
- 2024 *HI2K2: Imperial Natures: Environments and Empires from the Little Ice Age to the Anthropocene*, The University of Warwick, UK <https://rl.talis.com/3/warwick/lists/78A1C5B5-ACCB-D188-484A-63767854BD1B.html>
- 2024 *The Routledge Handbook of Environmental History*, Environment & Society Portal (Multimedia Library), Rachel Carson Center for Environment and Society, Germany
<https://www.environmentandsociety.org/mml/routledge-handbook-environmental-history>
- 2024 *AANZEHN publication round-up - Activism and scholarly practice*, Australian & Aotearoa New Zealand Environmental History Network, Australia <https://www.environmentalhistory-au-nz.org/publications/publications-archive/aanzehn-publication-round-up-november-2023-to-september-2024/>
- 2024 *The Inclusive Historian's Handbook*, American Association for State and Local History (AASLH) and National Council on Public History (NCPH), USA
<https://inclusivehistorian.pressbooks.sunycreate.cloud/chapter/environmental-history/>
- 2023 “Paramunos, A Digital Strategy For Knowledge Co-Creation About The Colombian Páramos,” *The Independent Social Research Foundation*, The Netherlands <https://isrf.org/blog/paramunos-a-digital-strategy-for-knowledge-co-creation-about-the-colombian-paramos>
- 2020 COVID-19 Resources, *Global Environmental Justice Observatory*, University of California, Santa Cruz, USA <https://globalenvironmentaljustice.sites.ucsc.edu/resources-2/covid-19/>

By Newspapers and Digital Media Outlets

- 2024 “Colonial Sustainability: Tracing the sustainability industry’s ecocidal lineage from the Doctrine of Discovery,” *Medium*, September 26, 2024 <https://medium.com/possible-futures/colonial-sustainability-tracing-the-sustainability-industrys-ecocidal-lineage-from-the-doctrine-c6a95b64cbda>
- 2024 “Georgia Tech and INIA Quilamapu researchers seek to reduce nitrogen fertilizer use in agriculture” [“Investigadores de Georgia Tech e INIA Quilamapu buscan disminuir el uso de fertilizantes nitrogenados en la agricultura”]. *Nuble Online*, September 24, 2024
<https://nubleonline.cl/investigadores-de-georgia-tech-e-inia-quilamapu-buscan-disminuir-el-uso-de-fertilizantes-nitrogenados-en-la-agricultura/>
- 2024 “INIA Quilamapu of Chillán and Georgia Tech join forces to develop natural fertilizers” [“INIA Quilamapu de Chillán y Georgia Tech unen fuerzas para desarrollar fertilizantes naturales”] *Hora 12*, September 19, 2024 <https://hora12.cl/2024/09/19/inia-quilamapu-de-chillan-y-georgia-tech-unen-fuerzas-para-desarrollar-fertilizantes-naturales/>
- 2024 “Project in Ñuble seeks to use microorganisms to reduce the application of nitrogen fertilizers” [“Proyecto en Ñuble busca usar microorganismos para disminuir aplicación de fertilizantes nitrogenados”] *La Fontana*, September 23, 2024 <https://lafontana.cl/2024/09/23/proyecto-microorganismos-fertilizantes-nitrogenados/>
- 2024 “American and FCA researchers lead project to sustainably fix nitrogen in crops” [“Investigadores norteamericanos y la FCA lideran proyecto para fijar nitrógeno en cultivos de manera sostenible”] *News - Facultad de Ciencias Agronómicas de la Universidad de Chile*

<https://agronomia.uchile.cl/noticias/219171/investigadores-norteamericanos-y-la-fca-lideran-proyecto>

- 2024 “American and FCA researchers lead project to sustainably fix nitrogen in crops” [“Investigadores norteamericanos y la FCA lideran proyecto para fijar nitrógeno en cultivos de manera sostenible”] *Diario Frutícola*, August 13, 2024 <https://www.diariofruticola.cl/noticia/ag-innovatech/2024/08/investigadores-norteamericanos-y-chilenos-lideran-proyecto-para-fijar-nitrogeno-en-cultivos-de-manera-sostenible>
- 2024 “Investigadores buscan disminuir el uso de fertilizantes nitrogenados en la agricultura” [“Researchers seek to reduce the use of nitrogen fertilizers in agriculture”] *Reporte Agrícola*, September 17, 2024 <https://www.reporteagricola.cl/noticia/noticias/2024/09/disminuir-uso-fertilizantes-nitrogenados-agricultura>
- 2024 “Georgia Tech and INIA Quilamapu researchers seek to reduce nitrogen fertilizer use in agriculture” [“Investigadores de Georgia Tech e INIA Quilamapu buscan disminuir el uso de fertilizantes nitrogenados en la agricultura”]. *Portal Agro Chile*, September 17, 2024 <https://www.portaagrochile.cl/2024/09/17/investigadores-de-georgia-tech-e-inia-quilamapu-buscan-disminuir-el-uso-de-fertilizantes-nitrogenados-en-la-agricultura/>
- 2024 “Georgia Tech and INIA Quilamapu researchers seek to reduce nitrogen fertilizer use in agriculture” [“Investigadores de Georgia Tech e INIA Quilamapu buscan disminuir el uso de fertilizantes nitrogenados en la agricultura”]. *Portal del Campo*, September 23, 2024 <https://www.portaldelcampo.cl/Noticias/96663-Investigadores-de-Georgia-Tech-e-INIA-Quilamapu-buscan-disminuir-el-uso-de-fertilizantes-nitrogenados-en-la-agricultura.html>
- 2024 “Conservationists aim to save South America’s super tiny wild cat, the guinea,” *Mongabay*, January 22, 2024 <https://news.mongabay.com/2024/01/conservationists-aim-to-save-south-americas-super-tiny-wild-cat-the-guinea/>
- 2018 “Dogs are today a serious problem because their attacks to livestock” [“Los perros son hoy un problema serio por sus ataques al ganado”]. *El Mercurio*. Vida, Ciencia, Tecnología. June 26, 2018 <http://www.economiaynegocios.cl/noticias/noticias.asp?id=481787>

Other acknowledged contributions to published books and articles

- 2024 Fonck, M. (2024). *Subterranean explorations: the unfinished promise of geothermal energy in the Chilean Andes* (A. S. Camus, Tran.). Transcript Verlag.
- 2023 Lorek, T. W. (2023). *Making the Green Revolution: Agriculture and conflict in Colombia*. University of North Carolina Press.
- 2020 Chastain, A. B., & Lorek, T. (Eds.). (2020). *Itineraries of expertise: science, technology, and the environment in Latin America’s long Cold War*. University of Pittsburgh Press.
- 2021 Horan, C. (2021). *Insurance Era: Risk, Governance, and the Privatization of Security in Postwar America*. The University of Chicago Press.
- 2021 Settele, V. (2021). History of Agriculture. In M. Roscher, A. Krebber & B. Mizelle (Ed.), *Handbook of Historical Animal Studies* (pp. 525-538). De Gruyter Oldenbourg.