

Xavier Basurto

xavier.basurto@duke.edu

Division of Marine Science and Conservation
Nicholas School of the Environment
Duke University

[What I do at Duke?](#)

[The Coasts and Commons Co-Lab](#)

As of June 2023

EDUCATION

- Ph.D. in Management (with a minor in Cultural Anthropology). School of Public Administration and Policy. 2007. The University of Arizona.
- Master in Public Administration. School of Public Administration and Policy. 2004. The University of Arizona.
- Master of Science. School of Natural Resources. 2001. The University of Arizona
- B.S. in Marine Resources Management 1996. Instituto Tecnológico y de Estudios Superiores de Monterrey (ITESM) Campus Guaymas, Mexico.

ACADEMIC APPOINTMENTS

- 2022 - 2027 Truman and Nellie Semans/Alex Brown & Sons Associate Professor of Sustainability Science. Nicholas School of the Environment, Duke University.
- 2016 – present Associate Professor of Sustainability Science. Nicholas School of the Environment, Duke University.
- 2009 - 2016 Assistant Professor of Sustainability Science. Nicholas School of the Environment, Duke University.
- 2008 - 2009 Visiting Research Associate at the Vincent and Elinor Ostrom Workshop in Political Theory and Policy Analysis. Indiana University. www.indiana.edu/~workshop/ Post-doc advisor: Elinor Ostrom
- 2007 - 2008 Visiting Scholar at the Vincent and Elinor Ostrom Workshop in Political Theory and Policy Analysis. Indiana University. www.indiana.edu/~workshop/ Post-doc advisor: Elinor Ostrom

SELECTED ACADEMIC AWARDS, DISTINCTIONS AND HONORS ([Other](#))

- 2023 Invited Panelist on Food Security. Duke University Research Week 2023.
- 2022 Bass Chair for Excellence in Research and Undergraduate Education. Duke University.
- 2022 Bass Society of Fellows. Duke University
- 2022 Invited keynote address World Commons Week
- 2020 Deans Award for Outstanding Graduate Student Manuscript awarded to PhD student advisee Hillary Smith.
- 2018 Keynote address: 1st Virtual IASC Commons Conference
- 2017 Keynote address: PECS II conference Oaxaca, Mexico.
- 2016 Keynote address: 3rd Policy-Science Forum. COP-13. UN. Cancún, Mexico.
- 2016 Keynote address: 1st Ecology Congress of Colombia. November. Bogotá.
- 2016 Keynote address to the Mexican Senate, Fisheries and Aquaculture Commission. Feb. CDMX.
- 2014 Ralf Yorke Fellow. An honor conferred for service to the Resilience Alliance.

SELECTED INVITED PROFESSIONAL ROLES

- 2015-2018 [Scientific Review Committee](#), National Socio-Environmental Synthesis Center (SESYNC).
- 2014-2017 [Executive Council of the IASC](#) (elected)
- 2013-Present [Editorial Board](#), Conservation and Society
- 2012-2014 Founding member and selection committee, International Elinor Ostrom Prize
- 2011-2023 [Editorial Board](#), Conservation Letters
- 2009-Present [Editorial Board](#), Ecology and Society
- 2009-2015 Board of Directors, Resilience Alliance

PEER REVIEWED PUBLICATIONS

- Total: 85 ([google scholar](#))

- 5 in review, 5 in preparation.
- 24% of publications with graduate student as 1st author*
- 31% as 1st author.

Selected List ([full list](#))

Anne C. Pisor, Xavier Basurto, Kristina G. Douglass, Katharine J. Mach, Elspeth Ready, Jason M. Tylianakis, Ashley Hazel, Michelle A. Kline, Karen L. Kramer, J. Stephen Lansing, Mark Moritz, Paul E. Smaldino, Thomas F. Thornton, James Holland Jones. 2022. Effective Climate-change Adaptation Means Supporting Community Autonomy. *Nature Climate Change*. **12**(3): 213-215.

Ignacio Jiménez, Xavier Basurto. 2022. An Organizational Framework for Effective Conservation Organizations. *Biological Conservation*. 267(109471). <https://doi.org/10.1016/j.biocon.2022.109471>

Jill Hamilton,* Xavier Basurto, Hillary Smith, John Virdin. 2021. How does the World Bank Shape Global Environmental Governance Agendas for Coasts? 50 years of Small-Scale Fisheries Aid Reveals Paradigm Shifts Over Time. *Global Environmental Change*. 68(2021) 102246. <https://doi.org/10.1016/j.gloenvcha.2021.102246>

Méndez-Medina, C.,* García-Lozano, A., Weaver, A. H., Van Dyck, S. R., Tercero, M., Nenadovic, M., and Basurto, Xavier. 2021. Understanding Collective Action from Mexican Fishers' Discourses: How Fishers Articulate the Need for the State Support and Self-Governance Capabilities. *International Journal of the Commons*, 15(1):395-413 <http://doi.org/10.5334/ijc.1127>

Basurto, X., and A. Garcia Lozano. 2021. Commoning and the commons as more-than-resources: A historical perspective on Comcáac or Seri Fishing. In: Nayak, P. K. (Ed). *Making Commons Dynamic: Understanding Change Through Commonisation and Decommonisation*. Routledge, UK.

Abigail Bennett, Xavier Basurto, John Virdin, Lin, X., Betances, S., Smith, M., Allison, E., Best, B., Brownell, K., Campbell, L., Golden, C., Havice, E., Hicks, C., Jacques, P., Kleisner, K., Lindquist, N., Lobo, R., Murray, G., Nowlin, M., Patil, P., Rader, D., Roady, S., Thilsted, S. Zoubek, S. 2021. Recognize Fish as Food in Policy Discourse and Development Funding. *Ambio*.

Anastasia Compton Eluned Quintana* and Xavier Basurto. 2021. Community-Based Conservation Strategies to End Open Access: The Case of Fish Refuges in Mexico. *Conservation Science and Practice*. <https://doi.org/10.1111/csp2.283> (Selected for the Conservation Science and Practice global webinar).

Basurto, X. Bennett, A. Lindkvist, E. Schlüter, M. 2020. Governing the Commons Beyond Harvesting: An Empirical Illustration from Fishing. *PlosOne* 15(4): e0231575 <https://doi.org/10.1371/journal.pone.0231575>

Hillary Smith* and Xavier Basurto. Defining Small-Scale Fisheries and Examining the Role of Science in Shaping Perceptions of Who and What Counts: A Systematic Review. *Frontiers in Marine Science*. doi: <https://doi.org/10.3389/fmars.2019.00236>

Basurto, X. Esther Blanco, Mateja Nenadovic, and Björn Vollan. 2016. Integrating Simultaneous Pro-social and Anti-social Behavior into Theories of Collective-Action. *Science Advances*. 2, e1501220.

Leslie, H., Basurto, X., Nenadovic, M., Sievanen, L., Cavanaugh, K.C., Cota-Nieto, J.J., Erisman, B.E., Finkbeiner, E., Hinojosa-Arango, G., Moreno-Báez, M., Nagavarapu, S., Reddy, S.M.W., Sánchez-Rodríguez, A., Siegel, K., Ulibarria-Valenzuela, J.J., Weaver, A.H., Aburto-Oropeza, O. 2015. Operationalizing the Social-ecological Systems Framework to Assess Sustainability. *Proceedings of the National Academy of Sciences (PNAS)*. 112(19): 5979-5984, doi/10.1073/pnas.1414640112

Basurto, X. 2013. Linking Multi-Level Governance to Local Common-Pool Resource Theory Using Fuzzy Set Qualitative Comparative Analysis: Insights from Twenty Years of Biodiversity Conservation in Costa Rica. *Global Environmental Change*. 23(3):573-587.

Basurto, X. Stefan Gelcich and Elinor Ostrom 2013. The Social-Ecological System Framework as a Knowledge Classificatory System for Benthic Small-Scale Fisheries. *Global Environmental Change*. 23(6):1366-1380.

Ostrom, Elinor, and X. Basurto. 2011. Crafting Analytical Tools to Study Institutional Change. *Journal of Institutional Economics*. 7(3):317-343 doi:10.1017/S1744137410000305.

RESEARCH FUNDING (as of 2023) ([full list](#))

- Total awarded last 5 years: As PI: ~\$5,500,000 (grants) plus ~\$650,000 (funding for graduate students).
- Main founders: Coupled Natural Human Systems NSF, the David and Lucille Packard Foundation, Walton Family Foundation, The Oak Foundation, Food and Agriculture Organization of the United Nations.

TEACHING ([full list](#))

- Theory and Methods for Policy Analysis of the Commons
- Governance of Social-Ecological Systems/Community-Based Marine Conservation
- Current Topics Seminar.

SUPERVISION ([Coasts and Commons Co-Lab](#))

Summary

	Completed	In progress/upcoming
Doctoral dissertation as chair	9	1
Doctoral dissertation (committee)	16	2
MEM & DEL Projects	25	2
Undergraduate students	2	2
Undergraduate independent studies	9	2
Work-study positions	26	0
Research/Lab technicians	22	1
International visiting scholars	9	0
Post-doctoral mentoring	3	2