

# Katherine Seto

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## Education

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2017	PhD in Environmental Science, Policy, and Management	University of California, Berkeley
2011	MAS, Marine Biodiversity and Conservation	Scripps Institution of Oceanography
2005	BA, International Studies, Environmental Studies	Emory University

## Professional Appointments

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**University of California at Santa Cruz, Santa Cruz, CA**

2017-Present **Assistant Professor, Environmental Studies Department,**

**University of Wollongong, Wollongong, Australia**

2017-2018 **Nereus Postdoctoral Fellow, Australian National Centre for Ocean Resources and Security (ANCORS)**

## Honors and Awards

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- Australia National Centre for Ocean Resources and Security (ANCORS) Honorary Fellow
- Nereus Postdoctoral Fellow
- ESPM Distinguished Student Lecture Award
- University of British Columbia Fisheries Centre Visiting Fellow
- National Science Foundation (NSF) Graduate Research Fellow
- United Nations Environment Program Visiting Fellow

## Grants and Funding

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- Santa Cruz Institute for Social Transformation Sprout Grant
- Future Leaders of Coastal Science Award
- Committee on Research New Faculty Research Grant
- National Science Foundation (NSF) Coupled Human and Natural Systems Grant, “Interactive Dynamics of Reef Fisheries and Human Health”
- William and Lisa Liu Fellowship for Environmental Studies
- George and Violet Homem Award
- Hannah M. and Frank Schwabacher Memorial Scholarship
- Institute of International Studies John L. Simpson Memorial Research Fellowship 2015
- Judge Choon-Ho Park Scholarship 2015
- SESYNC Pursuit Grant: “Quantifying the Human Nutritional Value of Global Fisheries and the Risk to Human Health of Fisheries Decline” 2015-2017
- Andrew and Mary Thompson Rocca Scholarship 2014
- West African Research Association (WARA) Pre-Doctoral Fellowship 2013
- National Science Foundation Graduate Research Fellowship 2011-2016

- Association of Women in Science (AWIS), San Diego Scholarship 2011
- Institute for International, Comparative, and Area Studies (IICAS) Scholarship 2011

## Teaching & Mentorship

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### Teaching

2019-present	Instructor, Research Seminar, UC Santa Cruz
2019-present	Instructor, Institutions, the Environment, and Economic Systems, UC Santa Cruz
2019-present	Instructor, Coastal Governance, UC Santa Cruz
2019-present	Instructor, Coastal and Marine Policy, UC Santa Cruz
2019-present	Guest Lecturer, Ecology and Society, UC Santa Cruz
2019	Guest Lecturer, Research Approaches in Environmental Studies, UC Santa Cruz
2018	Guest Lecturer, FAO International Fisheries Law Enforcement, University of Wollongong
2016-2017	Co-Instructor, Interdisciplinary Research, Prison University Project Mt. Tamalpais College
2015	Guest Lecturer, Biodiversity conservation in working land (and sea) scapes, UC Berkeley
2014	Co-Instructor, Introduction to Environmental Studies, UC Berkeley
2014	Co-Instructor, Environmental Health and Development, UC Berkeley
2014	Guest Lecturer, Introduction to Environmental Studies, UC Berkeley
2014	Guest Lecturer, International Environmental Politics, UC Berkeley
2014	Guest Lecturer, Environmental Health and Development, UC Berkeley
2013	Co-Instructor, Wildlife Ecology, UC Berkeley

### Mentorship

**Graduate Advising:** Indiana Reid-Shaw (ENVS PhD, UCSC), Amanda Stoltz (ENVS PhD, UCSC), Allison Skidmore (ENVS PhD, UCSC), Melissa Cronin (Ecology & Evolutionary Biology PhD, UCSC), Ashley Bae (ENVS PhD, UCSC), Tom Collinson (Coastal Science and Policy Masters, UCSC)

**Undergraduate advising:** Served as primary mentor to over 26 undergraduate apprenticeships (UC Berkeley), internships, and theses (UC Santa Cruz)

### Publications

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#### Peer Reviewed and Law Publications

- Seto, K., Q. Hanich.** 2018. The Western and Central Pacific Fisheries Commission and the New Conservation and Management Measure for Tropical Tunas. *Asia-Pacific Journal of Ocean Law and Policy*. 3(1):146.
- Finkbeiner, E., N. Bennett, C. Brooks, T. Frawley, J. Mason, C. Ng, R. Ourens, **K. Seto**, S. Swanson, J. Urteaga, D. Briscoe, L.B. Crowder. Reconstructing overfishing: moving beyond Malthus for effective and equitable solutions. *Fish and Fisheries* 00(2017):1-12. doi: 10.1111/faf.12245
- Seto, K., D. Belhabib, J. Mamie, D. Copeland, J.M. Vakily, H. Seilert, A. Baio, S. Harper, D. Zeller, K. Zylich, D. Pauly.** War, fish, and foreign fleets: The marine fisheries catches of Sierra Leone 1950-2015. *Marine Policy* 83(2017): 153-163.
- Golden, C., **K. Seto**, M. Dey, O.L. Chen, J. Gephart, S. Myers, M. Smith, B. Vaitla, E. Allison. 2017. Does Aquaculture Support the Needs of Nutritionally Vulnerable Nations? *Frontiers in Marine Science* 4:159. doi: 10.3389/fmars.2017.00159.
- Seto, K.** and KJ Fiorella. 2017. From Sea to Plate: The Role of Fish in a Sustainable Diet. *Frontiers in Marine Science* 4:74. doi: 10.3389/fmars.2017.00074

**Seto, K.**, D. Belhabib, D. Copeland, M. Vakily, H. Seilert., S. Sankoh, A. Baio, I. Turay, S. Harper, D. Zeller, K. Zyllich, D. Pauly. “Sierra Leone.” in *Global Atlas of Marine Fisheries: A Critical Appraisal of Catches and Ecosystem Impacts*. Eds. D. Pauly and D. Zeller. Washington DC: Island Press. 2016.

Gaynor, K., K. Fiorella, J. Gregory, D. Kurz, **K. Seto**, L. Withey, J. Brashares. 2016. War and wildlife: linking armed conflict to conservation. *Frontiers in Ecology and Environment*. 14(10): 533-542

**Seto, K.** “West Africa & the New European Common Fisheries Policy: Impacts & Implications,” in *Twenty Years of Development Under the UNCLOS Regime*. eds. C. Esposito, J. Kraska, H. Scheiber and M.Kwon. Boston: Nijhoff Brill Publishers. 2016.

Withey, L., **K. Seto**... J. Brashares. Fauna in decline—Response. 2014. *Science* 346(6211): 819-820.

Brashares, J., B. Abrams, K. Fiorella, C. Hohnowski, R. Marsh, D. McCauley, T. Nunez, **K. Seto**, L. Withey. 2014. Wildlife Decline and Social Conflict. *Science*. 345(6195): 376-378.

Ardron, J., N. Clark, **K. Seto**...E. Gilman. 2014. Tracking 24 years of discussions about transparency in international marine governance: Where do we stand? *Stanford Environmental Law Journal*. 33(2):167.

Brooks, C.M....**K. Seto**...A. Boustany. 2014. Challenging the ‘Right to Fish’ in a Fast-Changing Ocean. *Stanford Environmental Law Journal*. 33(2): 289-457.

Hobday, A. J.... **K. Seto**... G. Poulos. 2014. Dynamic ocean management: Integrating scientific and technological capacity with law, policy and management. *Stanford Environmental Law Journal*. 33(2):125.

Abbriano, R.M.... **K. Seto**...P.J.S. Franks. 2011. Deepwater Horizon oil spill: A review of the planktonic response. *Oceanography* 24(3):294–301.

#### Book Chapters

**Seto, K.**, B. Campbell. “The last commons: (Re)constructing an ocean future,” in *Predicting Future Oceans* eds. A. Cisneros-Montemayor, W. Cheung, and Y. Ota. Amsterdam: Elsevier Publishers. 2019.

**Seto, K.** “West Africa & the New European Common Fisheries Policy: Impacts & Implications,” in *Twenty Years of Development Under the UNCLOS Regime*. eds. C. Esposito, J. Kraska, H. Scheiber and M.Kwon. Boston: Nijhoff Brill Publishers. 2016.

#### Policy and Other Publications

**Seto, K.**, G. Galland, A. McDonald, A. Abolhassani, K. Azmi, H. Sinan, T. Timmiss, Q. Hanich. A global analysis of allocation in transboundary tuna fisheries management. Information paper for WCPFC 15<sup>th</sup> Regular Session 10-14 December 2018, Honolulu, Hawaii

**Seto, K.**, N. Miller, Q. Hanich. Tracking Purese Seine Transshipment in the WCPO: Preliminary Findings. Information paper for WCPFC 15<sup>th</sup> Regular Session 10-14 December 2018, Honolulu, Hawaii

**Seto, K.**, G. Galland, A. McDonald, A. Abolhassani, K. Azmi, H. Sinan, T. Timmiss, Q. Hanich. A global analysis of allocation in transboundary tuna fisheries. Information paper for FFA Management Options Consultation 5-8 April 2018, Honiara, Solomon Islands

**Seto, K.**, Q. Hanich, A. Abolhassani, K. Azmi, M. Bailey, R. Davis, H. Sinan, C. Visser. Current Practice and International Frameworks for Equitable Allocations of Transboundary Common Pool Resources. Information paper for FFA High Seas Limits and Allocations Workshop 9-11 April 2018, Nadi, Fiji

Vakily, JM, **K. Seto**, and D. Pauly (eds.). 2012. The Marine Fisheries Environment of Sierra Leone: Belated Proceedings of a National Seminar held in Freetown. FCRR 20(4). University of British Columbia.

**Seto, K.** 2011. Sierra Leone’s Seas: A project to assess the current status & potential role of marine resources in the development and peacebuilding of Sierra Leone, UNEP. Geneva.

#### **Invited Talks**

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2019 “Allocation” United Nations Open-ended Informal Consultative Process on Oceans and the Law of the Sea: Twentieth Meeting, New York, New York

2018 “Tracking transshipment in Western & Central Pacific tuna fisheries,” Expert Technical Workshop

- on Fisheries Data and Satellite Technology Innovations to Counter IUU Fishing, Yokohama, Japan
- 2018 “Current Practice & International Frameworks for Transboundary Resource Allocation,” FFA High Seas Limits and Allocations Workshop, Nadi, Fiji
- 2015 “Conflict & Competition in Ghana’s Marine Fisheries: Impacts and Implications,” Ghana Sustainable Fisheries Management Project meeting, Accra, Ghana
- 2014 “West Africa and the New European Common Fisheries Policy: Impacts and Implications”, Ocean Law and Policy: Twenty Years of Development Under the UNCLOS Regime, Madrid, Spain

## Professional Service

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### Reviewer for Publication and Funding Entities

National Science Foundation, Science Advances, Marine Policy, Ocean and Coastal Management, Frontiers in Marine Science

### Committee and Campus Service

- 2019 UCSC Coastal Science and Policy Masters Program Admissions Committee
- 2019-2020 UCSC ENVS “Conservation Ecologist” search committee
- 2019 UCSC ENVS Curriculum committee
- 2019-2020 UCSC ENVS Space committee (2019-2020 chair)
- 2017 Graduate Research Symposium Coordinator
- 2016 University of California Carbon Neutrality Initiative Campus Sustainability Coordinator
- 2016-2017 Graduate Student Association, ESPM Department—Vice President
- 2012-2016 Graduate Diversity Council Member
- 2013-2015 ESPM Department Admissions Committee Member
- 2013-2014 ESPM Department Graduate Programs Committee Member
- 2012-2013 Graduate Student Association, ESPM Department—Division Faculty Liaison

### Government and Professional Society Service

- 2020 The City of Santa Cruz *Resilient Coast Santa Cruz* initiative’s Technical Advisory Committee (TAC)
- 2016-2017 American Association of Geographers (AAG) Coastal & Marine Specialty Group Board Member