**Curriculum Vitae of Ana K. Spalding**

Oregon State University - School of Public Policy

300 Bexell Hall; Corvallis, OR 97331

ana.spalding@oregonstate.edu

**RESEARCH INTERESTS**

***\* Human geography***: sustainable development, political ecology & environmental justice, lifestyle migration.

**\* *Interdisciplinary marine studies***: marine policy and governance, adaptation to climate change, conservation.

**ACADEMIC APPOINTMENTS**

**2021 – Associate Professor,** School of Public Policy, Oregon State University (OSU), Corvallis, Oregon, USA

**2019 – *Present* Research Associate**, Coiba Research Station, Coiba – AIP, Panama

**2015 – *Present* Research Associate**, Smithsonian Tropical Research Institute (STRI), Panama

**2015 – 2021 Assistant Professor,** School of Public Policy, Oregon State University (OSU), Corvallis, Oregon, USA

 **Affiliate Faculty,** Pacific Marine Energy Center, OSU

**2012 – 2014 Postdoctoral Fellow**, Smithsonian Tropical Research Institute (STRI), Panama

**Instructor**, McGill University, Montreal, Canada (Panama Field Study Semester)

**Internship Coordinator,** STRI and McGill University (PFSS), Panama City, Panama

**EDUCATION**

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| **2011** | Ph.D., Environmental Studies**University of California, Santa Cruz, California, USA**Committee: Dr. Jeff Bury (chair), Dr. Mark Carr, Dr. Greg Gilbert, Dr. Daniel Suman (external) |
| **2008** | M.A., Environmental Studies**University of California, Santa Cruz, California, USA** |
| **2004** | M.A., Marine Affairs and Policy**University of Miami, Rosenstiel School of Marine and Atmospheric Science, Florida, USA** |
| **1999** | B.A., Economics and International Studies. Minor in Women’s Studies**University of Richmond, Richmond, Virginia, USA** |

**PROFESSIONAL & ACADEMIC EXPERIENCE**

**Leadership**

**2022** *Capitol Hill Oceans Week (CHOW) 2022 Advisory Committee.*

**2022** *Governing Board Member*. COMPASS – Science communication.

**2021-2023** *Chair – Membership and Nominations Committee*. Oregon State University President’s Commission on the Status of Black Faculty and Staff Affairs (PCSBFSA).

**2021-2023** *Scientific Advisory Team Member (inaugural cohort).* National Ocean Protection Coalition (NOPC).

**2021-*present*** *Advisory Council Member.* Panamanian Foundation for Sustainable Tourism ([APTSO](https://aptso.org/?page_id=4464)).

**2021-*present*** *Advisory Board Member*. Panamanian Alliance for Community Based Tourism ([PACT](https://www.travelweek.ca/news/planeterras-new-pact-prioritizes-community-tourism-development-in-panama/?vgo_ee=J1bp9TKjGa90wiwwXFrt9cR5qrczy%2FkMJ%2BTDjG%2F)) Initiative.

**2020-2021** *Leaders for Sea Change Program.* COMPASS – Science Communication.

**2019-2020** *Steering Committee Member*. NRT Summit: Transformative Connections. Corvallis, Oregon, USA.

**2019** *Science Co-Lead*, West Coast Ocean Change workshop. COMPASS – Science Communication. Asilomar, California, USA.

**2016-2021** *Leadership Team,*National Science Foundation (NSF) National Research Traineeship on Risk and Uncertainty Quantification in Marine Science. OSU, Corvallis, Oregon, USA.

**2012-2013** *Coordinator of Coastal Development sub-group,* Observatory and Forum on Sustainability in Panama. McGill University, STRI, USMA, INDICASAT. Panama City, Panama.

**2012** *Director,* Department of Research, Asociación Nacional para la Conservación de la Naturaleza (ANCON),Panama City, Panama.

**2003-2005** *Social Science Program Specialist,*National Oceanic and Atmospheric Administration (NOAA)’s National Marine Protected Areas Center. Monterey, California, USA.

**Invited Expert Forums**

**2020** *Advancing Ocean-Climate Scientific Leadership Along the U.S. West Coast: A COMPASS & CA Ocean Science Trust Virtual Convening on Climate & the Ocean.* COMPASS and CA OST. Online event.

**2020** *Marine Reserves Size and Spacing Workshop 2.0.* The Nature Conservancy and Packard Foundation. Corvallis, OR, USA.

**2020** *Developing Future Scenarios for Climate Change in the California Current Ecosystem*. Pacific Fisheries Management Council and The Nature Conservancy. Garden Grove, CA, USA.

**2018** *Fishing for Solutions in a Changing Ocean: A COMPASS Science and Decision Roundtable.* COMPASS – Science Communication. Washington, DC, USA.

**2017** *Ocean Change and People: A COMPASS Communication and Policy Workshop*. COMPASS – Science Communication. Airlie, Warrenton, Virginia, USA.

**2012** *Charting the Future of Environmental Studies at the Liquid Jungle Lab: Research Planning Workshop.* Woods Hole Consortium (WHC). Canales de Tierra Island, Panama.

**2011** *A new chapter for marine time-series research in Tropical America*. Panama Paleontology Project. Smithsonian Tropical Research Institute (STRI), Bocas del Toro, Panama.

**2006** *Ecosystem-based management working group*. National Center for Ecological Analysis and Synthesis (NCEAS)**,** Santa Barbara, California, USA.

**Consultancies**

**2021** National Socio-Environmental Synthesis Center (SESYNC) - “Does Ocean Planning Deliver Socio Ecological Benefits Relevant to the Sustainable Use of Ocean Ecosystems?” (funded by The Gordon and Betty Moore Foundation)

**2019** Booz Allen Hamilton - *Reviewed Expeditionary Culture Field Guide on Panama*.

**2012** International Community Foundation (ICF) - *Needs assessment for Open Blue Cobia*. Panama.

**2012** CRESOLUS - *Climate change resilience - proposal to UNDP*. Panama.

**2005** Centro de Estudios y Acción Social Panameño (CEASPA) - *Environmental education and wetland conservation*. Panama.

**2000-2002** German Cooperation Agency/ Cerro Hoya Project (GTZ-ECO) - *Protected area management and environmental education*. Panama.

**2000** URBIO, S.A. - *Coastal management*.Panama.

**PUBLICATIONS**

**Peer-Reviewed journal articles and book chapters**

Fleming, W., King, B., Robinson, K., Wade, E., Delie, J., Erickson, B., DeYcaza, R., Trimbach, D., **Spalding, A. K.**, Biedenweg, K. (2022). Is there no “I” in team? Potential bias in key informant interviews when asking individuals to represent a collective perspective. *PLOS ONE,* e0261452.

Grorud-Colvert, K., Sullivan-Stack, J., Roberts, C., Constant, V., Horta e Costa, B., Pike, P., Kingston, N., Laffoley, D., Sala, E., Claudet, J., Friedlander, A., Gill, D., Lester, S., Day, J., Gonçalves, E., Rand, M., Villagomez, A., Ahmadia, G., Ban, N.C., Gurney, G., **Spalding, A. K**., Bennett, N., Briggs, J., Morgan, L., Moffitt, R., Deguignet, M., Wenzel, L., Pikitch, E., Darling, E., Hameed, S., DiCarlo, G., Guidetti, P., Cury, P., Shah, N., Harris, J., Sack, K., Cao, L., Fernandez, M., Lubchenco, J. (2021). The MPA Guide: A Framework to Achieve Global Goals for Ocean Protection. *Science* 373(6560), eabf0861.

Pleasant, T., **Spalding, A. K.** (2021). Development and dependency in the periphery: From bananas to tourism in Bocas del Toro, Panama. *World Development Perspectives* 24: 100363.

Bennett, N., Katz, L., Yadao-Evans, W., Ahmadia, G., Atkinson, S., Ban, N., Dawsn, N., de Vos, A., Fitzpatrick, J., Gill, D., Imirizaldu, M., Lewis, N., Mangubhai, S., Meth, L., Muhl, E., Obura, D., **Spalding, A. K.,** Wagner, D., White, A., Whilhelm, A. (2021). Advancing social equity in and through marine conservation. *Frontiers in Marine Science* 994.

Davies, S., Putnam, H., Ainsworth, T., Baum, J., Bove, C., Crosby, S., Côté, I., Duplouy, A., Fulweiler, R., Griffin, A., Hanley, T., Hill, T., Humanes, A., Mangubhai, S., Metaxas, A., Parker, L., Rivera, H., Silbiger, N., Smith, N., **Spalding, A. K.,** Traylor-Knowles, N., Weigel, B., Wright, R., Bates, A. (2021). Promoting inclusive metrics of success and impact to dismantle a discriminatory reward system in science. *PLOS Biology* 19(6), e3001282.

**Spalding, A. K.** and DeYcaza, R. 2020*.* Navigating Shifting Regimes of Ocean Governance: From UNCLOS to Sustainable Development Goal (SDG) 14**.** *Environment and Society* 11(1): 5-26*.*

Dundas, S. J., Levine A. S., Lewison R. L., Doerr A., White C., Galloway A. W. E., Garza C., Hazen E. L., Padilla-Gamiño J., Samhouri J. F., **Spalding A. K.**, Stier A., White J. W. (2020). Integrating Oceans into Climate Policy: Any Green New Deal needs a splash of blue. *Conservation Letters* e12716.

**Spalding, A. K.** (2020). Towards a Political Ecology of Lifestyle Migration: Local Perspectives on socio‐ecological change in Bocas del Toro, Panama. Published online 30 January 2020. *Area*.

Wade, E., **Spalding, A. K.**, Biedenweg, K. (2019). Integrating Property Rights into Fisheries Management: The case of the managed access program in Belize. *Marine Policy* 108: 103631.

Narchi, N. E., Cariño, M., Mesa-Jurado, M. A., Espinoza-Tenorio, A., Olivos-Ortiz, A., Capistrán, M. M. E., ... & Cervantes, O. (2018). El CoLaboratorio de Oceanografía Social: Espacio plural para la conservación integral de los mares y las sociedades costeras. *Sociedad y Ambiente* 18: 285-301.

**Spalding, A. K.** (2018). Re-making Lives Abroad: Lifestyle migration and socio-environmental change in Bocas del Toro, Panama. In: Coastal Resources of Bocas del Toro, Panama: Tourism and Development Pressures and the Quest for Sustainability. University of Miami, Coral Gables, Florida. 263 pp.

**Spalding, A. K.,** & Mellado, M. E. (2018). From the Discovery of the Mar del Sur to the Creation of Unlikely Connections Between Panama and the United States. In Coastal Heritage and Cultural Resilience (pp. 39-61). Springer, Cham.

Mateo-Vega, J., **Spalding, A. K.**, Hickey, G. M., & Potvin, C. (2018). Deforestation, Territorial Conflicts, and Pluralism in the Forests of Eastern Panama: A place for reducing emissions from deforestation and forest degradation? *Case Studies in the Environment*.

**Spalding, A. K.,** Biedenweg, K., Hettinger, A., & Nelson M. P. (2017). Demystifying the Human Dimension of Ecological Research. *Frontiers in Ecology and the Environment* 15(3): 119–119.

**Spalding, A. K**. (2017). Exploring Land Tenure in Panama: Linking land policy with development outcomes. *Land Use Policy* 61: 543-552.

**Spalding, A. K.** & Biedenweg, K. (2017). Socializing the Coast: Engaging the human dimension of current tropical coastal science research. *Estuarine, Coastal and Shelf Science* 187: 1-8.

**Spalding, A. K,** Suman, D. O. & Mellado, M. E. (2015). Navigating the Evolution of Marine Policy in Panama: Current policies and community responses in the Pearl Islands and Bocas del Toro Archipelagos of Panama. *Marine Policy* 62: 161-168*.*

**Spalding, A. K.** (2013a). Exploring Environmental Outcomes of Lifestyle Migration: Land cover change and land use transitions in the Bocas del Toro Archipelago. *Journal of Latin American Geography* 12(3): 179-202.

**Spalding, A. K.** (2013b). Lifestyle Migration to Bocas del Toro, Panama: Exploring migration strategies and introducing local implications of the search for paradise. *International Review of Social Research* 3(1): 65-84.

**Books**

**Spalding, A. K** & Suman, D. O. (Editors). *Under Contract***.** Ocean and Society: An Introduction to Marine Studies. Routledge – Environment and Sustainability Division.

Suman, D. O. & **Spalding, A. K.** (Editors). (2018). Coastal Resources of Bocas del Toro, Panama: Tourism and Development Pressures and the Quest for Sustainability. University of Miami, Coral Gables, Florida. 263 pp.

**Submitted journal articles**

Fusco, L. M., Knott, C., Cisneros-Montemayor, A., Singh, G., **Spalding, A. K**., Ota, Y. Blueing business as usual: blue economies, oil, and climate justice. Submitted to: *Political Geography*. (Submitted R&R)

Crosman, K., Allison, E. A., Ota, Y., Cisneros-Montemayor, A., Swartz, W., Bailey, M., Barclay, K. M., Blume, G., Colléter, M., Fabinyi, M., Faustman, E. M., Griffin, P. J., Hanich, Q., Harden-Davies, H., Kelly, R. P., Kenny, T., Klinger, T., Kittinger, J., Nakamura, K., Pauwelussen, A., Pictou, S., Rothschild, C., Seto, K. L., Singh, G., **Spalding, A. K.** Social Equity is Key to Sustainable Ocean Governance. Submitted to: *Ocean Sustainability.* (Submitted R&R)

Ward, M., **Spalding, A. K**., Wolters, E., Levine, A. California Shellfish Farmers: Perceptions of Ocean Acidification and Strategies for Adaptive Capacity. Submitted to: *Ocean and Coastal Management*. (In R&R)

Shellock, R. J., Cvitanovic, C., Mackay., M., McKinnon, M. C., Blythe, J., Kelly, R., van Putten, I.E., Tuohy, P.,  Bailey, M., Begossi, A., Crona, B., Fakoya, K. A., Ferreira, B. P., Ferrer, A. J. G., Frangoudes, K., Gobin, J., Goh, H.C., Haapasaari, P., Hardesty, B. D., Häussermann, V., Hoareau, K., Hornidge, A. K., Isaacs, M., Kraan, M., Li, Y., Liu, M. L., Lopes, P. F. M., Mlakar, M., Morrison, T., Oxenford, H., Pecl, G. T.., Penca, J., Robinson, C., Selim, S., Skern-Mauritzen, M., Soejima, K., Soto, D., **Spalding, A. K.,** Vadrot, A., Vaidianu, N., Webber, Wisz, M. C. A global perspective on turning barriers into enablers of female leadership within interdisciplinary marine research organisations. Submitted to: *OneEarth*. (In R&R)

Sullivan-Stack, J., D'Iorio, M., **Spalding, A. K.,** Chan, F., Pearsall, D., Maxwell, S., Aburto, O., Brooks, C., Duffy, E., Friedlander, A., Gaines, S., Gerber, L., Hines, E. M., Leslie, H., Lester, S., Lynham, J., McCauley, D., Micheli, F., Nickols, K., Palumbi, S., Pike, B., Pikitch, E., Sala, E., Sancho, G. A., Suman, D. O., Wilhelm, A., Wenzel, L., Sykora-Bodie, S., Fulton-Bennett, H., Cabral, R., Bradley, D., Mayorga, J., Dunn, D., Grorud-Colvert, K., Hinrichs, S., Fonseca, K., Shrestha, J., Cheng, S. A Scientific Synthesis to Inform Effective Protected Areas in the U.S. Ocean. Submitted to: *Frontiers in Marine Science*. (In R&R)

Cruz, S., Batavia, C., **Spalding, A. K**., Arismendi, I., Nelson, M. P. Diversity Beyond Demographics: Environmental Worldviews of Forestry and Natural Resource Undergraduate Students. Submitted to: *Ecology and Evolution*. Preprint available: <https://doi.org/10.22541/au.163716975.52937212/v1>

Zuercher, R., Ban, N., Flannery, W., Guerry, A., Halpern, B., Magris, R., Mahajan, S. L., Motzer, N., **Spalding, A. K.**, Stelzenmüller, V., Kramer, J. G. Enabling conditions for effective marine spatial planning. Submitted to: *Marine Policy.*

**Journal articles in preparation**

Shellock, R.J., Cvitanovic, C., Mackay., M., McKinnon, M.C., Blythe, J., Kelly, R., van Putten, I.E., Tuohy, P.,  Maltby, K., Mynott, S., Simmonds, N., Bailey, M., Begossi, A., Crona, B., Fakoya, K.A., Ferreira, B.P., Ferrer, A.J.G., Frangoudes, K., Gobin, J., Goh, H.C., Haapasaari, P., Hardesty, B.D., Häussermann, V., Hoareau, K., Hornidge, A-K., Isaacs, M., Kraan, M., Li, Y., Liu, M.L., Lopes, P., Mlakar, M., Morrison, T., Oxenford, H., Pecl, G., Penca, J., Robinson, C., Selim, S., Skern-Mauritzen, M., Soejima, K., Soto, D.,  **Spalding, A. K**., Vadrot, A., Vaidianu, N., Webber, M., Wisz., M. Building leaders for the UN Ocean Science Decade: A guide to supporting early career women researchers. For submission to: *Nature*.

Moreno, V. & **Spalding, A. K.** Understanding Adaptive Capacity to Environmental Change: An Analysis of Community Perceptions and Policy Responses to Ocean Acidification and other marine stressors on the West Coast. For submission to: *Coastal Management*.

Wilson, M., Ciannelli, L., O’Rourke, M., Conway, F., **Spalding, A. K**., Char, C. Identity and evolution of thought in students involved in transdisciplinary research and education programs. For submission to: *ICES Journal of Marine Science.*

**Spalding, A. K.** Engaging the Human Dimension of Coastal Research: Small-scale fisheries data collection technologies to support resource management and conservation. For submission to: *Journal of Environmental Management*.

**Book reviews**

CenTREAD Working Group. (2007). Review of the book: Globalization and New Geographies of Conservation - Edited by K.S. Zimmerer. *The Journal of Environment and Development* 16(3): 345-346.

CenTREAD Working Group. (2007). Review of the book: 1491: New Revelations of the Americas before Columbus - Edited by C. C. Mann. *Restoration Ecology* 15(1): 168–169.

**Policy Briefs/ Reports**

Friedlander, A., **Spalding, A. K**., and McClintock, W. (lead authors) Scientist sign-on letter to the Biden-Harris Administration stating that marine protected areas (MPAs) represent one of our best strategies for achieving the goals of President Biden’s [*America the Beautiful*](https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.noaa.gov%2Famerica-the-beautiful&data=04%7C01%7CAna.Spalding%40oregonstate.edu%7C9981b3e5951f44b607e508d99015b23c%7Cce6d05e13c5e4d6287a84c4a2713c113%7C0%7C0%7C637699245132420755%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=mKeKIwJK4%2BatIXYDQ7dkml22y7abfPLPTO%2FF9QaskVg%3D&reserved=0)campaign. Signed by 40 prominent marine conservation scientists.

Urgent Need to Ensure the Health of Wild Fisheries in a Changing Ocean. Sent to FAO and COFI in response to FAO’s November 2019 International Symposium on Fisheries Sustainability. Signed by over two dozen leading scientists and conservationists from around the world who convened at the 2019 Pew Annual Fellowship Meeting in Hilo, HI, USA.

**GRANTS, FELLOWSHIPS & HONORS**

**2021-** Invited Submission: Pew Marine Fellows Program. *Understanding social outcomes and enabling conditions for Marine Protected Area effectiveness to achieve global conservation targets.* (Submitted 7.2021. Not yet awarded).

**2021-2026** *Large-Scale CoPe: The Cascadia Coastlines and Peoples Hazards Research Hub*. NSF. $18,896,000 ($305,000 to Spalding). OSU PIs: Ruggiero (Lead PI), Dundas, Hacker, Walker, Tilt, **Spalding**, Plaza, Gaines, Barbosa, Cox, Louis, Wengrove, Wang.

**2021-2026** *Cooperative Institute for Marine Ecosystem and Resources Studies (CIMERS).* NOAA. $37,000,000. PI: Chan (OSU Lead PI). Co-PIs: Banks, Barth, Baumberger, Beeson, Ciannelli, Heppell, Kavanaugh, Parrish, **Spalding**, Stafford.

**2020-2023** *Assessing Community Vulnerability to Ocean Acidification Across the California Current Ecosystem*. NOAA Ocean Acidification Program. $1,040,662. PIs: **Spalding** (OSU Lead PI), Levine, Teneva, Hill, Kimball, and Whitefield.

**2019-2023** *Implementing a Pilot Program for Elimination of River Plastic Waste in Panama.* Benioff Ocean Initiative. $2,700,000 ($145,000 for Socio-economic research). PI: Mirei Endara de Heras (as Director of Marea Verde, Panamá). **Spalding** is socio-economic research co-lead.

**2019-2020** *NRT-DESE: Risk and uncertainty quantification in marine science.* Supplemental fund for an NRT Summit to be hosted at Oregon State University (OSU) with a Marine and Coastal Focus. National Science Foundation (NSF). $88,911. PI: Ciannelli (OSU Lead PI). **Spalding** is key contributor.

**2019-2020** *Ocean Acidification: Oceanographic, Social, and Ecological Insights for Decision Making*. Lenfest Oceans. $300,000 ($28,000 to OSU). PIs: Hill, Kroeker, Gaylord, Sanford, **Spalding** (OSU Lead PI).

**2019-2021** *The Geography of Stress: Impacts of OA along the CA Coast*. CA Sea Grant/ Ocean Protection Council. $250,000 ($24,000 to OSU). PIs: Hill, Kroeker, Gaylord, Sanford, **Spalding** (OSU Lead PI).

**2018** College of Liberal Arts Travel Grant. Oregon State University. $1,500.

**2017** *Engaging with the human dimension of fisheries policy in Panama through the evaluation of small-scale fisheries data collection options and community informed planning*. Oregon State University College of Liberal Arts Research Award. $5,000.

**2017** *Engaging with the human dimension of fisheries policy in Panama through the establishment of a small-scale fisheries data collection system and community informed planning.* Oregon State University Research Office Small grants (SG) Incentive Program. $6,200.

**2015-2020** *NRT-DESE: Risk and uncertainty quantification in marine science.* National Science Foundation (NSF). $3,088,740.PI: Ciannelli (OSU Lead PI). Co-PIs*:* Jones, Todorovic, Gitelman, **Spalding**.

**2015-2019** STRI-SENACYT internship program, Panama. $215,000.

**2015-2017** Member of the National System of Researchers (SNI), Panama.

**2014** *Transdisciplinary Academy in Marine Resource Sustainability*. Fellowship on interdisciplinary approaches to marine studies. Hatfield Marine Science Center, OSU. Newport, Oregon, USA.

**2014-2017** *Research Experience for Undergraduates (REU) Site in Integrative Tropical Biology at STRI*, *Panama*. NSF. $340,000. PIs: McMillan, **Spalding**.

**2012-2013** *Historia Y Evolución de la Tenencia de Tierra en Panamá: Implicaciones sociales y ambientales para el Panamá de hoy*. Specialized Re-insertion grant. Research and Development Program. Secretaría Nacional de Ciencia, Tecnología e Inovación (SENACYT). $53,728.

**2009-2011** *Lifestyle migration to Bocas del Toro.* Visiting Pre-doctoral Fellow.STRI,Panama.

**2008-2009** *Political ecology of land ownership and economic change.* Short-term fellow. STRI,Panama.

**2006-2010** Environmental Studies Departmental Research Award. U of California Santa Cruz, USA. $3,800.

**2006-2008** Research Grant. Center for Tropical Research in Ecology, Agriculture and Development (CenTREAD), U of California Santa Cruz, USA. $2,300.

**2005-2011** *Socio-environmental impacts of Lifestyle Migration to Bocas del Toro, Panama*. Doctoral Fellowship. Panamanian government (IFARHU/SENACYT). $211,282.

**2002-2004** Graduate Academic Scholarship Program. Organization of American States (OAS). $60,000.

**1999** Dean’s List, University of Richmond, Virginia, USA.

**1995-1999** University Scholar, University of Richmond, Virginia, USA.

**SCIENTIFIC CONFERENCES & EVENTS**

Keynote Speaker. *“Aiming Policy at an Invisible Target: Ocean acidification and the shellfish industry”.* Oregon Chapter of the American Fisheries Society Annual Meeting. March 2022. Online event.

Invited Panelist. *“Discussion Panel: Environmental Justice Concepts”.* Benioff Ocean Initiative’s Clean Currents Coalition Symposium. November 2021. Online event.

Invited Panelist. *“Advancing Social Equity in and through Marine Conservation”.* Webinar hosted by the National Ocean Protection Coalition. October 2021. Online event.

Invited Seminar Speaker. *“Assessing Community Vulnerability to Ocean Acidification Across the California Current System”*. San Francisco State University’s Estuary & Ocean Science Center Seminar. September 2021. Online event.

Invited Panelist. *“*[*The MPA Guide: A framework to achieve global goals for the ocean*](https://unfoundation.org/event/the-mpa-guide-a-framework-to-achieve-global-goals-for-the-ocean/)*”*. Hosted by the UN Foundation. September 2021. Online event.

Invited Panelist. *“Operationalizing Social Equity in Marine Conservation”*. [Speak up for Blue podcast](https://www.bluenaturealliance.org/iucn-wcc-2021-podcast-series) By Andrew Lewin. August 2021.

Session Organizer. “*Reflecting on key blue economy discussions and research directions at MARE People and the Sea XI”* MARE Conference. Online event. 2021.

Participant. 2021 National Science Foundation Research Traineeship (NRT) Annual Meeting: Shaping 21st Century STEM Graduate Education. Online event. 2021.

Session Organizer. “*Integrating human perceptions, natural and physical processes, governance narratives, and policy options: Optimizing conservation-based responses to climate change and other stressors?”* 6th International Marine Conservation Congress. Online event. 2020.

Invited Symposium Speaker. *“Evaluating Social Outcomes of MPAs: Integrating best practices with ecological interactions and temporal considerations”.* Presented in symposium on *Increasing transparency and clarity in tracking Marine Protected Areas: Introducing The MPA* *Guide*. 6th International Marine Conservation Congress. Online event. 2020.

Invited Panelist. Marine Studies Initiative World Ocean Day event 2020. Online event. 2020.

Selected Participant. “*NASPAA NEXT Building the Civic Square: Centering Racial Equity*”. Network of Schools of Public Policy, Affairs, and Administration (NASPAA) Annual Conference. 2020.

Invited Speaker. *“Spatial and Ecological Insights for Decision-making on Changing Ocean Chemistry”*. 2020 Invited Lunchtime Speaker at Salmon Bowl – National Ocean Science Bowl Regional Competition. Corvallis, OR, USA. 2020.

Invited Speaker. *“Spatial and Ecological Insights for Decision-making on Changing Ocean Chemistry” –* Session on Addressing Ocean Acidification Impacts. Pew Marine Conservation Fellows Annual Meeting (Invite-only event). Hilo, Hawai’i, USA. 2019.

Session Organizer. *“Inputs to Marine and Coastal Management: Wellbeing, stakeholder engagement, and funding as different approaches to a shared problem”.*Society for Applied Anthropology (SfAA). Portland, Oregon, USA. 2019.

Invited Speaker. *“Governance and Policy for OUR Changing Oceans” -* “Ignite Talk” for OSU Research Office Connection Session on NSF’s Coasts and People Initiative. Corvallis, Oregon, USA. 2019.

Invited Facilitator for breakout session on “*Human Dimensions Research, Policy, and Community Engagement”* at the Pacific Marine Energy Center (PMEC) annual All-Center meeting. Portland, Oregon, USA. 2018.

Workshop and Session Organizer, and Presenter. WORKSHOP: “*Engaging the Human Dimensions of Coastal Research: Small-scale fisheries data collection to support management and conservation in Panama”*; SESSION: “*Linking Social Science with Policy Windows: Lessons from implementing research at the right time, in the right place”*. International Marine Conservation Congress (IMCC5). Kuching, Malaysia. 2018.

Invited Panelist for Town Hall on “*Making Your Science Matter: Engaging with decision-makers to navigate ocean change”.* Organized by COMPASS for Ocean Sciences Annual Meeting. Portland, Oregon, USA. 2018.

Presented by Ms. Sativa Cruz. *“Connecting Environmental Worldviews, Humanities, and Justice to Diversity Efforts”*. Biennial Conference on University Education in Natural Resources, Nacogdoches, Texas, USA. 2018.

Session Organizer and Presenter. *“Socializing Transdisciplinary Marine and Coastal Research and Training I: Experiences from the field; and Socializing Transdisciplinary Marine and Coastal Research and Training II: Social science led research”*. Society for Applied Anthropology (SfAA). Santa Fe, New Mexico, USA. 2017.

Presented by Mr. Eric Wade. “Integrating Property Rights into Fisheries Management: The case of the managed access program in Belize”. Gulf and Caribbean Fisheries Institute (GCFI) Annual Meeting. Merida, Mexico. 2017.

Invited Panelist for discussion on *“Leadership and Power Dynamics in Fieldwork”*. Organized by Women in Marine Science, Oregon State University. Corvallis, Oregon, USA. 2017.

Invited Panelist. *“Engaging the Human Dimension of Coastal Research: Small-scale fisheries data collection to support management and conservation”.* Western Society of Naturalists Student Symposium. Pasadena, California, USA. 2017.

Invited facilitator for Session on *“Heritage for All: Passing on the World Heritage baton from one generation to the next”* at the IUCN World Conservation Congress. Honolulu, Hawaii, USA. 2016.

Presenter. *“Navigating Marine Policy in Panama: A case for the need for clear coastal and marine property regimes”.* Association of American Geographers (AAG). San Francisco, California, USA. 2016.

Invited Seminar Speaker in Geography, Anthropology and Integrative Biology departments, Oregon State University. Corvallis, Oregon, USA. 2015-2017.

Presenter. *“Exploring Land Tenure in Panama: Linking land policy with ideologies of development”*. Association of American Geographers (AAG). Chicago, Illinois, USA. 2015.

Invited Speaker. *“Reconceptualizando el acaparamiento de tierras en Panamá: Turismo residencial como impulsor de cambios en el archipiélago de Bocas del Toro”*. Jornada Académica de la Facultad de Humanidades de la Universidad de Panamá: Metodologías y aportes novedosos en el campo del turismo. Panama City, Panama. 2015.

Invited Speaker. *“Linking Land Policy with Development Outcomes: Lifestyle migration and land use change in the*

*Bocas del Toro Archipelago, Panama”.* School of Public Policy, Oregon State University. Corvallis, Oregon, USA. 2015.

Presenter. *“Lifestyle Migration To Bocas Del Toro, Panama: Who is moving? Why? And How?”.* Latin American Studies Association (LASA). Chicago, Illinois, USA. 2014.

Session Organizer. *“Re-conceptualizing the “grab for land” in Latin America: Lifestyle migration as a driver of change in land tenure, land use, and socio-economics in Bocas del Toro, Panama”.* Conference of Latin American Geographers (CLAG). Panama City, Panama. 2014.

Session Organizer. “*Living the Panamanian Dream: Who wins and who loses?”* Latin American Studies Association (LASA). Washington, DC, USA. 2013.

Presenter. *“Extranjeros en Búsqueda del Sueño Americano en Bocas del Toro: Realidad o Ilusión?* Congreso de Antropología Panameña. Panama City, Panama. 2013.

Presenter. *“Re-Making Lives Abroad: Lifestyle migration and socio-environmental change in Bocas del Toro, Panama”.* American Anthropological Association (AAA). San Francisco, California, USA. 2012.

Presenter. “*Re-making lives abroad: Lifestyle migration and socio-environmental change in Bocas del Toro, Panama*”. Smithsonian Tropical Research Institute (STRI). Earl S. Tupper Seminar. Panama City, Panama. 2012.

Presenter. “*Local and Foreigner Perspectives on Social and Environmental Change in Bocas del Toro*”. Smithsonian Tropical Research Institute (STRI). Monthly Public Meeting. Bocas del Toro, Panama. 2010.

Invited Speaker. “*Perspectivas Locales sobre Cambios Sociales y Ambientales en el Archipiélago de Bocas del Toro*”. Ministry of Education/ Smithsonian Tropical Research Institute (STRI). Bocas del Toro teacher workshop. Bocas del Toro, Panama. 2010.

Presenter. “*Background on Social and Environmental Change in Bocas del Toro*”. Smithsonian Tropical Research Institute (STRI). Monthly Public Meeting, Bocas del Toro, Panama. 2009.

Presenter. “*Regional Marine Protected Area (MPA) Social Science Research Needs*”. The Coastal Society (TCS). Annual meeting paper presentation. Newport, Rhode Island, USA. 2004.

Presenter. “*Summary of Existing MPA Social Science Research in the South Atlantic*”. National Oceanic and Atmospheric Administration (NOAA). South Atlantic Social Science Research Workshop paper presentation. Savannah, Georgia, USA. 2004.

Presenter. “*Summary of Existing MPA Social Science Research in the Pacific Islands*”. National Oceanic and Atmospheric Administration (NOAA). Pacific Islands Social Science Research Workshop paper presentation. Big Island, Hawaii, USA. 2004.

Presenter. “*Summary of Existing MPA Social Science Research in the Caribbean and South Florida*”. National Oceanic and Atmospheric Administration (NOAA). Caribbean and South Florida Social Science Research Workshop paper presentation. St. Croix, US Virgin Islands. 2003.

**ADVISING & TEACHING EXPERIENCE**

**Current Postdoctoral Scholar**

*Dr. Kristen Green*. Topic: Vulnerability and Adaptive Capacity of shellfish growers and coastal Tribes in Oregon.

**Current PhD Students**

*Ricardo De Ycaza* – Public Policy, OSU. Dissertation topic: Blue Economy and Development in Latin America. (Academic Advisor and Committee Chair)

*Lucas Pacheco* – Humanities, University of Panama. Dissertation topic: Human Dimension of Fisheries in Panama. (Academic Advisor and Committee Chair)

*Hossain Ahmed Taufiq* – Public Policy, OSU. (Committee Member)

*Risako Sakai* – Applied Anthropology, OSU. (Committee Member)

*Maya Fezell* – Integrative Biology, OSU. (Graduate Council Representative)

*Jennifer Wong-Ala* – Oceanography, OSU. (Committee Member)

**Current Masters Students**

*Emily Griffith -* Master of Public Policy, OSU. (Academic Advisor and Committee Chair)

*Ryan Hasert* - Master of Public Policy, OSU. (Committee Member)

*Megan Wai* - Master of Public Policy, OSU. (Committee Member)

*Ian Johnson* - Executive Master of Public Policy, OSU. (Committee Member)

*Laurel Field* – Master of Marine Resource Management, OSU. (Committee Member)

*Ali Trueworthy* – Master of Environmental Arts and Humanities and PhD Engineering, OSU. (Committee Member)

**Completed Postdoctoral Scholar**

*Dr. Analiese Hettinger*. Topic: Shellfish aquaculture under global change: integrating knowledge and information needs across scientific-political-societal landscapes. 2017. (Co-advised with Dr. Tessa Hill from University of California – Davis).

**Completed PhD Students**

*Eric Wade* – Fisheries and Wildlife, OSU. Dissertation topic: Decisions Making Under Uncertainty: Exploring Fishing Strategy Decisions in Small-Scale Fisheries in Jamaica. 2021. (Committee Member)

*Steven Johnson –* Geography, OSU. Dissertation topic: An exploration of climate change, conservation, and cooperation, in three essays. 2021. (Committee Member)

*Traben Pleasant* – Applied Anthropology, OSU. Dissertation topic: Tiers of Development: Technology, Education, and Black and Indigenous Life in Bocas del Toro, Panama. 2020. (Committee Member)

*Jenna Sullivan-Stack*  – Zoology, OSU. Dissertation topic: Marine mass mortality in a global change context: impacts on individuals, populations and communities. 2019. (Graduate Council Representative)

**Completed Masters Students**

*Victoria Williams* - Master of Public Policy, OSU. 2021. (Academic Advisor and Committee Chair)

*Deeann Hui* - Executive Master of Public Policy, OSU. 2021. (Committee Member)

*Diane Brandt* - Master of Public Policy, OSU. 2021. (Committee Member)

*Kaetlyn Sprofera* - MSc in Environmental Science, OSU. 2021. (Committee Member)

*Jasmine King* - Master of Public Policy, OSU. 2020. (Committee Member)

*Dominique Kone* – MSc in Marine Resource Management, OSU. 2020. (Committee Member, Minor Professor.)

*Adrian Laufer* - Master of Public Policy, OSU. 2019. (Academic Advisor and Committee Chair)

*Kayla Martin* - Master of Public Policy, OSU. 2019. (Committee Member)

*Sativa Cruz* - MSc. Forest Ecosystem and Society, Forestry, OSU. 2019. (Committee Member)

*Eric Wade* - MSc. Fisheries and Wildlife, OSU. 2018. (Committee Member)

*Katlyn Haven* - MSc. Marine Resource Management, OSU. 2018. (Committee Member)

*Reva Gillman* - MSc. Marine Resource Management, OSU. 2018. (Committee Member)

*Divya Sharma* - MSc. Biology (Neotropical Environment Option, McGill University. 2014. (Committee Member)

**Completed Undergraduate Student**

*Owen Welch –* Environmental Science, OSU. 2020. (OSU Cooperative Institute of Marine Resources Fellowship Mentor)

*Allison Kurtz* – Honors College, OSU. 2021. (Committee Member)

**Courses developed and taught**

***Oregon State University (OSU)***

* Panama Optional Field Course: Teaching and Measuring Sense of Place in Marine Conservation (FW 599)
* Field Course: OSU NRT in Risk and Uncertainty Quantification in Marine Science and Policy (GEO 508)
* US Ocean and Coastal Law and Policy (PPOL 546)
* Society and Natural Resources – regular on-campus and hybrid (SOC 481/581)
* International Marine Policy (PPOL 545)
* Applied Research Methods – online and on-campus (PPOL 524)
* Society, Culture and the Marine Environment (SOC 299/ MAST 300)

***McGill University****,* Montreal, Canada (Panama Field Study Semester)

* Research in Panama (ENV 461)
* Humans in Tropical Environments (GEOG 498)
* Environmental Management for Developing Areas (GEOG 404)

***University of California Santa Cruz (UCSC)****,*Teaching assistant and guest lecturer, Santa Cruz, California, USA.

* Environment and Development in Latin America (ENVS 143)
* Ecology and Society (ENVS 100)
* Guest Lecture in Future of the Rainforest course (ENVS 80): “*Ecotourism and Development: Impacts of Ecotourism in Bocas del Toro, Panama*”.

**Invited International Course Lectures**

“*Human Dimensions of Environmental Change: An introduction to the Bocas del Toro Archipelago*”. STRI-IGERT and STRI-Texas A&M Environmental Geosciences field course. Bocas del Toro, Panama. (2015)

“*Local Perspectives on Social and Environmental Change in Bocas del Toro”.* University of Miami, RSMAS. Fieldwork in Coastal Management Course (MAF 504). Bocas del Toro, Panama. (2009-2015)

“*Development of Regional Social Science Research Programs for MPAs: Process and Preliminary Outcomes*”. University of Miami, RSMAS. Integrated Coastal Management Course (MAF 518). State University of Rio de Janeiro, Brazil. (2004)

“*US Ocean Policy*”. University of Miami, RSMAS. Integrated Coastal Management Course (MAF 518). Federal University of Rio Grande do Sul, Brazil. (2003)

**ACADEMIC & SCIENTIFIC SERVICE**

**Academic Service**

**2021** Reviewer for STRI annual fellowship competition.

**2021** Reviewer for California Sea Grant competition.

**2021** OSU Presidential Committee on the Status of Black Faculty and Staff (Inaugural member, and Chair of the Membership and Nominations Committee). OSU

**2019-2021** Faculty Peer Review committee member. Sociology program, School of Public Policy, OSU

**2019-2021** School of Public Policy Graduate Executive Committee member. School of Public Policy, OSU

**2019** School of Public Policy Director search committee. College of Liberal Arts, OSU

**2019** Forest Policy faculty search committee. College of Forestry, OSU

**2018-2019** Awards committee member. Sociology program, School of Public Policy, OSU

**2018-2020** School of Public Policy PhD Admissions Committee member. School of Public Policy, OSU

**2017-2020** Master of Public Policy (MPP) Resident Admissions Committee member. School of Public Policy, OSU

**2017-2018** Faculty Peer Review committee member. Sociology program, School of Public Policy, OSU

**2016-2018** Marine Studies Initiative Research Committee member, OSU

**2016-2018** NSF NRT admissions committee member, OSU

**2015-2017** Curriculum committee member. Sociology program, School of Public Policy, OSU

**2013-2015** Internship selection committee member, STRI

**2013-2014** Fellowship and travel grant selection committee member, STRI

**2006-2007** Graduate Student Committee Representative, UCSC Environmental Studies Department

**Referee for International Journals**

*Area*

*Canto Rodado*

*Conservation Biology*

*Economic Systems*

*Estuarine, Coastal and Shelf Science*

*Fish and Fisheries*

*Global Ecology and Conservation*

*Journal of Latin American and Caribbean Anthropology*

*Journal of Political Ecology*

*Land Use Policy*

*Marine Policy*

*Ocean and Coastal Management*

*Public Policy and Administration*

*Resources*

*Global Ecology and Conservation*

*Geopolitics*

**PROFESSIONAL MEMBERSHIP**

**2016- *Present*** Society for Applied Anthropology (SfAA)

**2015- *Present*** Asociación de Antropología e Historia de Panamá (AAHP). Founding member.

**2014- *Present*** Association of American Geographers (AAG)

**2013- *Present*** Conference of Latin American Geographers (CLAG)

**2008- *Present*** Society for Conservation Biology

**2007- 2013** Latin American Studies Association

**SPECIALIZED TRAINING**

**2021** *Advanced science communication training*. COMPASS – Science Communication. Virtual.

**2019** *Professional Learning Community (PLC): Hybrid Course Development.* OSU’s Center for Teaching and Learning. Corvallis, Oregon, USA.

**2018** *Faculty Success Program*. National Center for Faculty Development and Diversity. Online.

**2018** *Women’s leadership training*. ThroughInsight. Online.

**2017** *Retreat Restore Lead: A Women's Leadership Retreat*. Esalen Institute. Big Sur, California, USA.

**2017** *Professional Learning Community (PLC): Transformative Curriculum*. OSU’s Center for Teaching and Learning. Corvallis, Oregon, USA.

**2017** *Difference, Power, and Discrimination (DPD) Summer Academy Program*. OSU. Corvallis, Oregon, USA.

**2015** *Teaching Socio-Environmental Synthesis with Case Studies*. National Socio-Environmental Synthesis Center (SESYNC). Annapolis, Maryland, USA.