

CHRISTINE M. BEITL

*University of Maine * Department of Anthropology * 5773 S. Stevens Hall * Orono, ME 04469-5773*

*Email: christine.beitl@maine.edu Phone: (207) 581-1893 * Fax : (207) 581-1823*

EDUCATION & PROFESSIONAL EXPERIENCE

Education

- 2012 Ph.D. Ecological & Environmental Anthropology, University of Georgia, Athens, GA
2005 M.A. Latin American & Caribbean Studies/ Environmental Studies, Florida International University, Miami, FL
1997 B.A. Spanish, Ohio University, Athens, OH

Academic Appointments, Affiliations & Employment

- 2019 – Associate Professor, Department of Anthropology, University of Maine, Orono, ME
Cooperating Faculty Member, School of Marine Sciences (since 2015)
Cooperating Faculty Member, School of Economics (since 2015)
Faculty Associate, Senator George J. Mitchell Center for Sustainability Solutions (since 2015)
Affiliated Faculty Member, Program in Ecology and Environmental Sciences (since 2018)
2019 Visiting Professor, Master's Program in Rural Development, Escuela Superior Politécnica del Litoral (ESPOL/ Polytechnic University), Guayaquil, Ecuador
2013-2019 Assistant Professor, Department of Anthropology, University of Maine, Orono, ME
2013 Instructor, Department of Anthropology, University of Georgia, Athens, GA
2012 Visiting Instructor, Development Studies, Emory University, Atlanta, GA
2009-2010 Fulbright Fellow in Ecuador, Institute of International Education
1999-2002 Study Abroad Advisor and Program Coordinator (College Consortium for International Studies - Ecuador & Greece), College of Staten Island of the City University of New York

Research & Teaching Interests

Human ecology, sustainability science, marine conservation, fisheries, mangrove forests, coastal areas, common pool resources, collective action, political ecology, environmental anthropology, economic anthropology, environmental governance and policy, international conservation and development

RESEARCH & SCHOLARSHIP

Research Grants (* signifies external award; + denotes advisee)

- 2019* Consultant on NSF-IBSS-L#1743019, "The Effect of Social Networks on Inequality: A Longitudinal Cross-Cultural Investigation." (PI: Jeremy Koster; Co-PIs: Samuel Bowles, Matthew Jackson, Monique Borgerhoff Mulder, Eleanor Power). University of Cincinnati.
2019 Summer Faculty Research Award, "The Effect of Social Network Dynamics on Inequality and Social Wellbeing in Rural Ecuador," Office of Research Development. Awarded: \$8,000.
2017 Scholarly Materials and Equipment Grant, "Visualizing Governance Change in Social-Ecological Systems." Office of Research Development. Awarded: \$1500.
2016 Summer Faculty Research Award, "Evaluation of Policies Promoting Mangrove Conservation and Sustainable Livelihoods in Coastal Ecuador," Office of Research Development. Awarded: \$8,000.
2014 ADVANCE NSF Research Seed Grant Award (#1008498), "Livelihood Decisions, Cultural Dynamics of Fishing Effort, and Implications for Management in Ecuadorian Artisanal Fisheries." Rising Tide Center. Awarded: \$6,178.

- 2014 EPSCoR-NSF Sustainability Solutions Initiative (EPS-0904155), “Understanding Ecological, Social, and Economic Aspects of Bycatch and Building Stakeholder Alliances in the Gulf of Maine Lobster Fishery.” (Co-PIs Yong Chen, Christine Beitz) Awarded: \$51,282.
- 2009* Fulbright Hays Doctoral Dissertation Research Abroad Fellowship, “Mangroves and Movements: Collective Action, Institutions, and Sustainability on the Ecuadorian Coast.” Awarded: \$15,442. (*Declined to accept other awards*).
- 2009* Wenner Gren Foundation Dissertation Fieldwork Grant (#8003), “Mangroves and Movements: Collective Action, Institutions, and Social-Ecological Resilience on the Ecuadorian Coast.” Awarded: \$5,690.
- 2009* Fulbright Fellowship, “Collective Action and Social-Ecological Resilience on the Ecuadorian Coast. Institute of International Education.” Awarded: \$11,250.
- 2008* National Science Foundation Doctoral Dissertation Improvement Grant (BCS-0819376), “From Resource Degradation to Collective Action: Community Associations and Sustainability on the Ecuadorian Coast.” Awarded: \$15,000.
- 2008 Tinker Foundation Grant to support dissertation feasibility research in Ecuador, “Landscapes and Livelihoods: Coping with Environmental Change through Livelihood Diversification and Community Management on the Ecuadorian Coast.” Latin American and Caribbean Studies Institute, University of Georgia. Awarded: \$1,050.
- 2006 Tinker Foundation Grant to support exploratory research in Ecuador, “Social and Ecological Impacts of Shrimp Aquaculture as an Impetus for Community-Based National Resource Management in Muisne, Ecuador” Latin American and Caribbean Studies Institute, University of Georgia. Awarded: \$800.
- 2006 Melissa Hague Field Study Award to support exploratory research in Ecuador, “Social and Ecological Impacts of Shrimp Aquaculture as an Impetus for Community-Based National Resource Management in Muisne, Ecuador.” Anthropology Dept, University of Georgia. \$500.
- 2005 Graduate Student Association Research Grant to support field research in Mexico, “Community-based ecotourism,” Florida International University. Awarded: \$250.
- 2005 Latin American and Caribbean Center Grant to support field research in Mexico, “Community-based ecotourism,” Florida International University. Awarded: \$300.
- 2004 Tinker Foundation Grant for summer library research in Cochabamba, Bolivia. Latin American and Caribbean Center, Florida International University. Awarded: \$850.

Publications (Peer Reviewed) (+ denotes advisee)

- 2020 **Beitz, C.M.**, Chávez Páez, W., Vanegas Redondo, W.F., Carvajal Cañarte, E.L., Zambrano Mohauad, G.A., Ramírez Alfonso, K.R., Jama López, J.A., and Gortaire Díaz, D.E., (2020). Cambios ambientales, alimentación y sustento en una comunidad rural del manglar. *Investigacio: Research Review*. 13: 89-102. DOI: <https://doi.org/10.31095/investigatio.2020.13.9>
- 2019 **Beitz, C.M.**, Rahimzadeh-Bajgiran, P., Bravo, M. Ortega-Pacheco, D., Bird, K., (2019). New Valuation for Defying Degradation: Visualizing Mangrove Forest Dynamics and Local Stewardship with Remote Sensing in Coastal Ecuador. *Geoforum*. 98: 123-132. DOI: <https://doi.org/10.1016/j.geoforum.2018.10.024>
- 2018 Moritz, M., Behnke, R., **Beitz, C.M.**, Bliege Bird, R., Morais Chiaravalloti, R., Clark, J.K., Crabtree, S.A., Downey, S., Hamilton, I.M., Chian Phang, S., Scholte, P., Wilson, J., (2018). Emergent Sustainability in Open Property Regimes. *Proceedings of the National Academy of Sciences*. 115(51): 1285-12867. DOI: <https://doi.org/10.1073/pnas.1812028115>
- 2018 Farr, E.R., Stoll, J.S., **Beitz, C.M.**, (2018). Effects of fisheries management on local ecological knowledge. *Ecology & Society*. 23 (3): 15. DOI: <https://doi.org/10.5751/ES-10344-230315>

- 2018 Narchi, N., Cariño, M., Mesa-Jurado, M.A. Espinoza-Tenorio, A., Olivos-Ortiz, A., Early Capistrán, M.M., Morteo, E., Ochoa, Y., **Beitzl, C.M.**, Martínez Díaz, T.E., Cervantes, O., Nava Bravo, H.H. Spalding, A. K., Grace-McCaskey, C., Corona, N., Moreira Moura, G.G., (2018). El CoLaboratorio de la Oceanografía Social: Espacio Plural para la Conservación Integral de los Mares y las Sociedades Costeras. *Sociedad y Ambiente*. 18: 285-301. DOI: <https://doi.org/10.31840/sya.v0i18.1888>
- 2018 +Ebel, S.A., **Beitzl, C.M.**, Runnebaum, J., Alden, R., Johnson, T.R. (2018). The power of participation: Challenges and opportunities for facilitating trust in cooperative fisheries research in the Maine lobster fishery. *Marine Policy* 90: 47-54. DOI: <https://doi.org/10.1016/j.marpol.2018.01.007>
- 2018 **Beitzl, C.M.**, (2018). Investigación cooperativa y patrones espaciotemporales en el esfuerzo pesquero: Lecciones de la pesquería del recurso concha (*Anadara tuberculosa* y *A. similis*) en Ecuador. *Revista Cubana de Investigaciones Pesqueras*. 35 (2): 66-72.2017
- 2017 **Beitzl, C.M.**, (2017). Decentralized Mangrove Conservation and Territorial Use Rights in Ecuador's Mangrove-Associated Fisheries. *Bulletin of Marine Science*. 93(1):117-136. DOI: <http://dx.doi.org/10.5343/bms.2015.1086>
- 2016 **Beitzl, C.M.** (2016). The Changing Legal and Institutional Context for Recognizing Nature's Rights in Ecuador: Mangroves, Fisheries, Farmed Shrimp, and Coastal Management since 1980. *Journal of International Wildlife Law and Policy*. 19(4): 317-332.
- 2016 Stoll, J.S., **Beitzl, C.M.**, Wilson, J.A., (2016). How Access to Maine's Fisheries Has Changed over a Quarter Century: The Cumulative Effects of Licensing on Resilience. *Global Environmental Change*. 37:79-91. <http://www.sciencedirect.com/science/article/pii/S0959378016300073>
- 2015 **Beitzl, C.M.** (2015). Mobility in the Mangroves: Catch Rates, Daily Decisions, and Dynamics of Artisanal Fishing in a Coastal Commons. *Applied Geography*. 59: 98-106. <http://www.sciencedirect.com/science/article/pii/S0143622814002926>
- 2014 **Beitzl, C.M.** (2014). Navigating Over Space and Time: Fishing Effort Allocation and the Development of Customary Norms in an Open-Access Mangrove Estuary in Ecuador. *Human Ecology*. 42(3): 395-411. <http://link.springer.com/article/10.1007/s10745-014-9655-7>
- 2014 **Beitzl, C.M.** (2014) Adding Environment to the Collective Action Problem: Individuals, Civil Society, and the Mangrove Fishery Commons in Ecuador. *World Development* 56: 93-107. <http://www.sciencedirect.com/science/article/pii/S0305750X13002386>
- 2012 **Beitzl, C.M.** (2012). Shifting Policies, Access, and the Tragedy of Enclosures in Ecuadorian Mangrove Fisheries: Towards a Political Ecology of the Commons. *Journal of Political Ecology* 19: 94-113. http://jpe.library.arizona.edu/volume_19/Beitzl.pdf
- 2011 **Beitzl, C.M.** (2011). Cockles in Custody: The Role of Common Property Arrangements in the Ecological Sustainability of Mangrove Fisheries on the Ecuadorian Coast. *International Journal of the Commons* 5 (2): 485-512. <https://www.thecommonsjournal.org/articles/10.18352/ijc.285/>

Book Reviews

- 2018 Book Review of Lewis, Tammy L. (2016) *Ecuador's Environmental Revolutions: Ecoimperialists, Ecodependents, and Ecoresisters*. The MIT Press, Cambridge, MA, viii + 282pp.

Submitted & Under Review

- Zu Ermgassen, P.S.E., Mukherjee, N. Worthington, T.A., Acosta, A., Araujo, A.R., **Beitzl, C.M.**, Castellanos-Galindo, G., (accepted). Fishers who rely on mangroves: Modelling and mapping the global intensity of mangrove-associated fisheries. *Estuarine, Coastal and Shelf Science*. Submitted 12/20/2019.
- +Ebel, S., **Beitzl, C.M.**, Torre, M., (accepted) Values Underlying Conflict and Adaptation Visions in a Rapidly Changing Small-Scale Fishing Community in Chile. For Submission to *Environmental Values*. Submitted 9/23/2019.

Beitl, C.M., Calles Procel, A., Chávez Páez, W., (under review). Investigación cooperativa en la acuicultura artesanal de camarones: Implicaciones para la justicia social. Submitted to *America Profunda: visiones y convergencias en la oceanografía social del continente*. Nemer E. Narchi y Christine M. Beitl (Eds.) 6/1/2020.

Research Reports & White Papers

- 2019 **Beitl, C.M.**, Chávez Páez, W. Perfil de la Comunidad “Isla Costa Rica” Final report prepared for the Jambeli Parish Board (Junta Parroquial de Jambeli - Gobierno Autónomos Descentralizados - GAD).
- 2018 **Beitl, C.M.**, Gaibor, N. Rights-based Approaches in Ecuador’s Fishery for Mangrove Cocksles. FAO Case Study for Tenure and User Rights in Fisheries (2018) in the *Proceedings of the Food and Agricultural Organization of the United Nations - Tenure and User Rights in Fisheries*. Food and Agricultural Organization (FAO). [Tinyurl](#)
- 2010 **Beitl, C.M.** Situación Socio-Ecológica de la Concha Prieta (*Anadara tuberculosa* y *A. similis*) en Ecuador y Recomendaciones. *Informe Final Sobre los Resultados Preliminares de la Tesis Doctoral y Recomendaciones*. Guayaquil, Ecuador: 1-16.
- 2010 **Beitl, C.M.** El Manejo Comunitario y Otros Factores Socio-Culturales que Afectan el Recurso Concha Prieta (*Anadara tuberculosa* y *A. similis*) en la Isla Costa Rica, El Oro, Ecuador. El Oro, Ecuador: 1-15.
- 2010 **Beitl, C.M.** Informe sobre la Concha Prieta, El Manglar, y la Acción Colectiva en las Provincias de El Oro y Esmeraldas. Muisne, Esmeraldas, Ecuador: 1-10.
- 2010 **Beitl, C.M.** & A. Cruz. Custodias del Manglar y Monitoreo Comunitario del Recurso Concha Prieta (*Anadara tuberculosa* y *A. similis*) en la Isla Costa Rica, El Oro, Ecuador. *Resultados del Monitoreo Comunitario con la Asociación de Costa Rica Dic. 2009 – Jun. de 2010*. El Oro, Ecuador: 1-15.
- 2010 **Beitl, C.M.** El Papel de la Propiedad Común y Acción Colectiva en el Uso Sustentable de los Recursos Costeros y la Resiliencia Socio-Ecológica del Manglar: El Caso de la Pesquería para la Concha Prieta (*Anadara tuberculosa* y *A. similis*) en la “Isla Costa Rica”, El Oro, Ecuador. *Informe sobre la Primera Etapa del Trabajo del Campo para la Tesis Doctoral en Colaboración con la Asociación de Pescadores Artesanales, Mariscadores y Afines “Costa Rica”*. Isla Costa Rica, El Oro, Ecuador: 1-30.

PhD Dissertation & MA Thesis

- 2012 **Beitl, C.M.** *Beyond Collective Action: A Multi-Scale Analysis of Sustainability in the Mangrove Fishery Commons of Coastal Ecuador*. Doctoral Dissertation, Department of Anthropology, University of Georgia, Athens, GA.
- 2005 **Beitl, C.M.** *The Emergence of a Mass Community-Based Ecotourism Theme Park: The Case of Ejido Chacchoben, Quintana Roo, Mexico*. Master of Arts Thesis, Latin American and Caribbean Center, Florida International University, Miami, FL.

Invited Research Presentations

- 2019 **Beitl, C.M.**, “El papel de los acuerdos de propiedad común en la sostenibilidad ecológica de las pesquerías de manglar en la costa ecuatoriana” Foro Conocimiento Científico y Saberes Ancestrales para la Conservación de los Manglares del Ecuador, Humedales Don Goyo, Sito RAMSAR. Escuela Superior Politécnica del Litoral (ESPOL) Guayaquil, Ecuador (remote attendance). Feb 28.
- 2019 **Beitl, C.M.**, “La dinámica de los sistemas naturales y humanos acoplados: el caso manglar y pesquerías artesanales,” Escuela Superior Politécnica del Litoral (ESPOL), Guayaquil, Ecuador. Jan. 21.
- 2017 **Beitl, C.M.**, “Aspectos socio-culturales en el marco integrado para el estudio de pesquerías artesanales: Implicaciones para la metodología y capacidad institucional.” Seminario Taller Internacional: Revisión y Estandarización de Técnicas y Metodologías para la Investigación del

- Recurso Concha (*Anadara tuberculosa*). Universidad Pontificia Bolivariana de Medellín. Medellín, Colombia (remote attendance). Nov. 13-17.
- 2015 **Beitz, C.M.**, “La conservación del manglar y las dinámicas socio-ecológicas en la pesquería de la concha prieta (*Anadara tuberculosa* y *A. similis*) en Ecuador,” Escuela Superior Politécnica del Litoral, Guayaquil, Ecuador. Aug. 7.
- 2015 **Beitz, C.M.**, “Las dinámicas socio-ecológicas de la pesquería del recurso concha prieta,” Instituto Nacional de Pesca, Guayaquil, Ecuador. Aug. 6.
- 2014 **Beitz, C.M.**, “Spatial, Temporal, and Cultural Dynamics of Artisanal Fishing in Coastal Ecuador,” School of Marine Science Seminar Series, University of Maine. Dec. 12.
- 2014 **Beitz, C.M.**, Chen, Y., Runnebaum, J., +Ebel, S., “Collaborative Interdisciplinary Research for Understanding Bycatch in the Maine Lobster Fishery.” Mitchell Center Seminar Series, University of Maine. Nov. 17.
- 2014 **Beitz, C.M.**, “The Context and Culture of Collective Action: Insights from Coastal Ecuador,” School of Economics Seminar Series, University of Maine. Nov. 7.
- 2013 **Beitz, C.M.**, “Participatory Policies and New Enclosures of the Commons: Community Concessions in Ecuadorian Artisanal Fisheries,” Emory Program in Development Studies, Emory University, Atlanta, GA. March 27.
- 2012 **Beitz, C.M.**, “Shifting Policies, Access, and the Tragedy of Enclosures in Ecuadorian Mangrove Fisheries: Towards a Political Ecology of the Commons,” Political Ecology Society (PESO) business meetings at the Society for Applied Anthropology Baltimore, MD. March 27-31.
- 2010 **Beitz, C.M.**, “La concha prieta y el manglar” Fundación de Defensa Ecológica (Fundecol) Muisne, Esmeraldas, Ecuador, Nov. 30.
- 2009 **Beitz, C.M.**, “El Papel de la Acción Colectiva en el Uso Sustentable de los Recursos Costeros y el Sistema Socio-Ecológico del Manglar en Ecuador,” Instituto Nacional de Pesca del Ecuador. Guayaquil, Ecuador. Nov. 13.

Conference Papers

- 2019 **Beitz, C.M.**, Chávez Páez, W., Vanegas Redondo, W.F., Carvajal Cañarte, E.L., Zambrano Mohauad, G.A., Ramírez Alfonso, K.R., Jama López, J.A., and Gortaire Díaz, D.E., “Medios de vida, alimentación y cambios ambientales en una comunidad rural del manglar.” Primer Congreso Internacional Manglares de America,” Simposio de Etnobiología y Saberes Ancestrales. Guayaquil, Ecuador South America. November 13-15. (Presented by Chávez Páez).
- 2019 **Beitz, C.M.**, Ebel, S.A. “Environmental Uncertainty and the Resilience of Common Property Institutions in Small-Scale Fisheries” International Association for the Study of the Commons, Lima, Peru. July 1-5.
- 2019 **Beitz, C.M.**, “Collective Action in Response to Coastal Degradation? Cultural Multi-Level Selection for Analyzing the Emergence and Dynamics of Community-Based Associations in Ecuador” Workshop on the Ostrom Workshop (WOW6) conference, Indiana University Bloomington, June 19–21.
- 2019 Ebel, S.A., Maasch, K. **Beitz, C.M.**, “A Mixed Methods Approach to Examine Socio-Ecological Resilience: A Case Study of Chile’s Territorial Use Rights in Fisheries (TURFS) Policy.” Society for Applied Anthropology Meetings, Portland, OR. March 19-23. (Presented by Ebel).
- 2018 **Beitz, C.M.**, Leslie, H., Rahimzadeh Bajgiran. “Integrative and Ethnographic Methods for Understanding the Ecology of Fishing Decisions and Feedback in Mangrove Social-Ecological Systems.” Third International Symposium on Mangroves as Fish Habitat (MAHF3), Kuala Lumpur, Malaysia. Nov. 12-14.
- 2018 **Beitz, C.M.**, Gaibor, N. “Rights-based Approaches in Ecuador’s Fishery for Mangrove Cockles.” FAO Case Study for Tenure and User Rights in Fisheries. Yeosu, Republic of Korea. Sept 10-14. (Presented by Gaibor).

- 2018 Farr, E.R., Stoll, J.S., **Beitz, C.M.**, “Local Ecological Knowledge in Managed Fisheries: A Maine Case Study” Poster Presentation at International Symposium: Climate Change Effects on the World’s Oceans. Washington, D.C., USA. June 4-8. (Presented by Farr)
- 2018 **Beitz, C.M.**, Ortega-Pacheco, D., “Relational Values in Ecuador’s Strategy for Coastal Mangrove Conservation” Society for Applied Anthropology Meetings, Philadelphia, PA., April 3-7.
- 2017 **Beitz, C.M.**, Rahimzadeh-Bajgiran, P., “Cultural Continuity and Resilient Resources: Ecuador’s Co-management Approach to Mangrove Conservation and Restoration.” Coastal and Estuarine Research Federation (CERF). Providence, RI. Nov. 5-9.
- 2016 **Beitz, C.M.**, Rahimzadeh-Bajgiran, P., Bravo, M., Bird, K. “Decelerating Deforestation: Social Processes and Policies Explaining Mangrove Landscape Mosaics in Coastal Ecuador.” AAA Session Invitation: Emergent Landscapes, Disturbance Ecology, and New Approaches in Ecological Anthropology. Minneapolis, MN. American Anthropological Association. Nov 16-20.
- 2016 **Beitz, C.M.**, “Forests for the Fish: The Emergence of Territorial Use Rights in Artisanal Fisheries from Mangrove Forest Stewardship Policies in Ecuador.” Society for Applied Anthropology Meetings, Vancouver, Canada. March 30 – April 2.
- 2015 **Beitz, C.M.**, “Benefits and Tradeoffs of Ecuador’s Community Mangrove Concessions and Implications for Mangrove-Associated Fisheries.” Florida State University Mote Symposium: Propagating TURFs into the 21st Century: The Value Constraints and Limitations to Territorial Use Rights in Fisheries. Mote Marine Laboratory, Sarasota, FL. Oct. 12-14.
- 2015 Stoll, J., **Beitz, C.M.**, Wilson, J. “No Fish, No Knowledge? An evaluation of the licensing ecology of Maine over twenty-four years and implications for the erosion of local ecological knowledge.” Transformations: People and the Planet in the Anthropocene. Stockholm, Sweden. Oct. 5-7. (Presented by Stoll).
- 2015 **Beitz, C.M.**, “Making Meaning and Membership in the Mangroves: Knowledge Production and the Politics of Participation in Coastal Ecuador.” XXXIII International Congress of the Latin American Studies Association. LASA Panel Invitation: Politics of Knowledge Production in Resource Conflicts. San Juan, Puerto Rico. May 27-30.
- 2015 +Ebel, S. & **Beitz, C.M.**, “Promises and Pitfalls in Cooperative Fisheries Research” Society for Applied Anthropology. Panel: Applying Environmental Anthropology. Pittsburgh, PA Mar. 25-28. (Presented by Ebel).
- 2014 **Beitz, C.M.**, “Ecological and Cultural Dynamics Influencing Fishing Effort Allocation in an Ecuadorian Artisanal Fishery” AAA Session Invitation: Foraging: Advances in the Study of Food Production. American Anthropological Association. Washington, DC, Dec 3-7.
- 2014 **Beitz, C.M.**, Chen, Y., Runnebaum, J., +Ebel, S., “Understanding Ecological, Social, and Economic Aspects of Bycatch and Building Stakeholder Alliances in the Gulf of Maine Lobster Fishery.” Maine EPSCoR State Conference, University of Maine. December 1.
- 2014 **Beitz, C.M.** & Bird, K., “Displaced Effort? Mangrove-Fishery Linkages and Livelihoods in Coastal Ecuador.” Society for Human Ecology. Panel: Human Dimensions of Marine Systems. Bar Harbor, ME. Oct 22-25.
- 2014 **Beitz, C.M.**, “From Capture to Culture: Cockle Mariculture as a Rural Livelihood Strategy in Ecuador and Implications for Wildstocks.” Society for Applied Anthropology. Albuquerque, NM. March 18-22. Panel Chair: Approaches to Fisheries, Mariculture, and Seafood Consumption
- 2013 **Beitz, C.M.**, “Embedded Customary Norms and the Internal Regulation of Resource Use in Ecuadorian Mangrove-Associated Fisheries.” American Anthropological Association. Chicago, IL. Nov. 19-24, 2013. Panel Co-Organizer (with Victoria Ramenzoni): Changing Tides: Coastal and Marine Resources in a Time of Uncertainty.
- 2013 **Beitz, C.M.**, “Navigating through Time and Space: A Geographic Information Systems (GIS) Application and Ethnographic Analysis of the Fishing Effort in and Ecuadorian Mangrove

- Estuary.” Association of American Geographers. Los Angeles, CA. April 9-13. Panel: Cultural Geography of Marine Resources.
- 2013 **Beitzl, C.M.**, “Civil Society and Sustainability in Mangrove-Associated Fisheries in Ecuador.” Society for Applied Anthropology. Denver, CO. March 19-23. Panel: Land Use and Water Policies and Politics in Indigenous Communities.
- 2013 **Beitzl, C.M.**, “From Collective Action to Collective Identities: Local Livelihood Defense and the Politics of Participation in Coastal Ecuador.” Dimensions of Political Ecology. Lexington, KY. February 28 - March 2. Panel: Resource Politics.
- 2012 **Beitzl, C.M.**, “Territories, Timing, and Tradition: An Ethnographic and GIS Analysis of Factors Affecting Fishing Effort in an Ecuadorian Mangrove Fishery.” Society for Applied Anthropology Baltimore, MD. March 27-31. Panel Co-Organizer (with Elaina Lill): Adaptive Challenges Facing Coastal Communities.
- 2011 **Beitzl, C.M.**, “Collecting Cockles in the Mangrove Margins: Community Concessions and Sustainability in Coastal Ecuador.” Society for Applied Anthropology. Seattle, WA. March 28-April 2. Panel: The Political Ecology of Fishing: Asserting Rights and Improving Conservation.
- 2010 **Beitzl, C.M.**, “Mangroves and Movements: Collective Action, Institutions, and Sustainability on the Ecuadorian Coast. XXIX International Congress of the Latin American Studies Association. Toronto, Canada. October 6-9. Panel: Development, Conservation and Social Responses to Global Change: Conflicts and Encounters Between Different Players
- 2010 **Beitzl, C.M.**, “The Role of Collective Action in the Social-Ecological Resilience of Mangroves and Artisanal Fisheries on the Ecuadorian Coast” International Association for the Study of the Commons, Tempe, AZ. September 29 – October 3. Panel: Coastal Commons
- 2010 **Beitzl, C.M.**, “Cockle Cages in the Mangrove Margins: The Management and Mariculture of the Mangrove Cockle (*Anadara spp.*) in Ecuador” at the 73rd Annual Meeting for the Rural Sociological Society, Atlanta, GA. Panel: Global Fisheries, Aquaculture and the Oceanic Crisis: A Socio-Ecological Perspective.
- 2007 **Beitzl, C.M.**, “Shrimp, Livelihoods, and Local Environmentalism in an Ecuadorian Coastal Community” at the XXVII International Congress of the Latin American Studies Association, Montréal, Canada, September 5-8. Panel: Commodities, Trade, and Local Environments.
- 2007 **Beitzl, C.M.**, “Fragmented Commons, Precarious Lives: Shellfish Collectors within the Margins of Shrimp Farms in Ecuador” at the Meetings of the Society for Applied Anthropology, Tampa, FL, March 27 – 31. Panel Chair: Marine Resources and Local Perceptions.
- 2005 **Beitzl, C.M.**, “Environmental Protection in Pieces? Decentralization, Devolvement of Environmental Responsibility, and Community-Based Conservation in the Bolivian Amazon” at the Third International Congress of the Bolivian Studies Association, Miami, FL. February 24-26. Panel: Environment.
- 2005 Bray D.B., Cornejo, M.K., Cohan, S., **Beitzl, C.M.** “Community-based Ecotourism: A Conservation and Development Strategy in Search of an Analytic Framework” at the Meetings of the Society for Applied Anthropology, Santa Fe, NM, April 5-10. Panel: Land Use Conflict and Land Use Planning in Community-Based Ecotourism: Cases from the Brazilian Amazon and the Maya Forest. (Presented by Bray).
- 2004 **Beitzl, C.M.**, “Balancing Development and Ecology: Poverty and Deforestation in Developing Countries” at the Second Annual Latin American Student Conference in Latin American and Caribbean Studies, Florida International University, Miami, FL, April 1-2. Panel: Environmental and Health Issues.

Synergistic Activities

- 2019 Collaborator on project to investigate the social aspects of small-scale fisheries in Ecuador with Instituto Nacional de Pesca, Ecuador (PI: Nikita Gaibor)
- 2019 Collaborator & Consultant on the ENDOW project (an acronym for Economic Network Dynamics and the Origins of Wealth) (Koster et al 2017, NSF-IBSS-L#1743019)
- 2019 Member of the research network Oceanografía Social (since 2017) and Co-Editor with N. Narchi on Book Project, *America Profunda: visiones y convergencias en la oceanografía social del continente*.
- 2018 Member of Too Big To Ignore (TBTI), a global partnership for small-scale fisheries research. <http://toobigtoignore.net/>
- 2017 Invited presentation for the Seminario Taller Internacional: Revisión y Estandarización de Técnicas y Metodologías para la Investigación del Recurso Concha (*Anadara tuberculosa*). Universidad Pontificia Bolivariana de Medellín. Medellín, Colombia (remote attendance). Nov. 13-17.
- 2017 Invited participant in the NSF School for Advanced Research (SAR) Seminar, “Open Property Regimes as Complex Adaptive Systems” organized by Mark Moritz in Santa Fe, New Mexico, Oct. 31 – Nov. 2.
- 2016 Participation in a collaboration led by The Nature Conservancy and the University of Cambridge to develop a global model of the role of mangroves in fisheries production. PIs: Philine zu Ermgassen and Mark Spalding (2016 – present).
- 2015 Presenter and participant at the luncheon for Advance Rising Tide Center Grant Awardees to celebrate Women in Leadership in Higher Education. University of Maine. March 26.
- 2014 Participant in workshop: Seeking Synergy Between Social and Natural Scientists for Good Governance in Fisheries and Coastal Communities, Organized by Madeline Hall-Arber and MIT Sea Grant, Massachusetts Institute of Technology, Cambridge, MA.
- 2010 Invited participant in the workshop: “Emerging Issues in Latin American Environmentalism” at the XXIX International Congress of the Latin American Studies Association. Toronto, Canada. October 6-9.
- 2010 Development of a cooperative fisheries research project to monitor mangrove cockles (*Anadara spp.*) in collaboration with the Association Isla Costa Rica, El Oro, Ecuador. I developed training content in standard methods of systematic data collection to build community capacity for resource monitoring. I also developed community workshops for data dissemination, validation, and exploration of potential solutions to challenges in the fishery.

Field Research

- 2019 ENDOW-Ecuador: Led a team of seven Ecuadorian students from ESPOL’s Master’s Program in Rural Development to collect data in one of 45+ communities in 32 countries worldwide, which was selected for a cross-cultural study on the emergence of wealth inequality (NSF-IBSS-L#1743019). We gathered baseline demographic and social network data, as well as information about household wealth, food security, and dietary diversity as it relates to mangrove dependence (August – Sept).
- 2019 Feasibility research in Ecuador: “Economic Network Dynamics and the Origins of Wealth (ENDOW) (NSF-IBSS-L#1743019) (January 2019).
- 2017 Fishermen’s local ecological knowledge in Maine; Co-Investigators, Josh Stoll and Emily Farr
- 2015 Feasibility study: Social, Ecological, and Economic Tradeoffs in Ecuador’s Mangrove Concessions, Guayaquil, Ecuador
- 2014 Sustainability Solutions Initiative: Collaborative research and social-ecological aspects of bycatch in the lobster fishery, Maine; Co-Principal Investigator with Yong Chen
- 2010 Field research for Ph.D. dissertation: Collective action and the environment in coastal Ecuador
- 2009 Field research for Ph.D. dissertation: Collective action and the environment in coastal Ecuador

- 2008 Dissertation feasibility study, Ecuador
- 2006 Dissertation exploratory research, Ecuador
- 2005 Community-based ecotourism in Mexico. Field research for M.A. thesis under the direction of David B. Bray
- 2005 Labor and living conditions among Haitian migrants in the sugar industry, Dominican Republic. Research assistantship under the direction of Eduardo Gamarra, Latin American and Caribbean Center, Florida International University
- 1997 Urban land invasions in Guayaquil, Research Internship at the Instituto Nacional de Estadísticas y Censos (INEC), Guayaquil, Ecuador

Research & Professional Training

- 2018 Facilitating Controversial Topics and Difficult Dialogues in the Classroom, May 18, 2018
- 2013 Workshop on integrating ethnographic and spatial technologies. American Anthropological Association Meetings
- 2007 National Science Foundation Summer Institute for Research Design in Cultural Anthropology (NSF-SIRD), Duke University Marine Laboratory, Beaufort, NC, Professors Russ Bernard, Sue Weller, Jeff Johnson, and Amber Wutich
- 2004 Library research in Bolivia under the direction of Eduardo Gamarra at Fundación Inca, Cochabamba, Bolivia

TEACHING

Courses at University of Maine

- ANT 597: *Research Design and Methods* (fall 2016, spring 2019)
- ANT 555/ SMS 555/ ANT 490: *Resource Management in Cross-Cultural Perspective* (spring 2018)
- ANT 597: *Topics in Coastal and Marine Anthropology* (fall 2017)
- ANT 553/SMS 553: *Institutions and the Management of Common Pool Resources* (spring 2015, fall 2017, spring 2020)
- ANT 493: *Anthropology Capstone: Debates in Anthropology* (spring 2018, spring 2019, spring 2020)
- ANT 300/ ANT 400: *Anthropological Theory* (fall 2013, fall 2015, fall 2018, fall 2020)
- ANT 250: *Conservation Anthropology* (fall 2013, 2015, 2016, 2018, 2020)
- ANT 102: *Introduction to Cultural Anthropology* (spring 2014, 2015, 2016, 2017)

Courses Taught at Other Universities

- *Anthropological Field Methods*, (graduate level) Escuela Superior Politécnica del Litoral (ESPOL/ Polytechnic University), Ecuador (summer 2019)
- ANTH 1102: *Introduction to Anthropology - "4-field"*, University of Georgia (spring 2013)
- IDS 207/ ANT 207/ AFS 270: *Foundations of Development Studies*, Emory University (fall 2012)

Additional Teaching Experience

- Teaching Assistant, Writing Intensive Program, University of Georgia (fall 2011, spring 2012)
- Study Abroad Teaching Assistant, University of Georgia Maymester Programs in Australia & Fiji: *Sustaining Human Societies and the Natural Environment* (2007, 2008, 2011)
- Teaching Assistant, Department of Anthropology, University of Georgia (2005-2008, 2011-2012)
- Tutor, Athletic Association, University of Georgia
- Teaching Assistant, Latin American and Caribbean Center, Department of Environmental Studies, Department of Political Science, Florida International University (2003 - 2005)

Invited Guest Lectures

- 2018 “Serving the Forest for Its Service Provisioning: Science, Policy, Action in Ecuador’s Mangrove Fisheries” for ECO 381: Sustainability: Science, Policy, and Action. April 27, 2018.
- 2017 “Mixed Methods for Investigating Social-Ecological Interactions in Ecuador’s Mangrove Fishery Commons” for SFR 528, Qualitative Methods. Oct. 4, 2017.
- 2017 “Are Contemporary Resource-Based Societies Natural Conservationists?” ANT 493, Capstone
- 2016 “Linking Social-Ecological Systems: Applying Mixed Methods to Ecuador’s Mangrove Fishery Commons” for SFR 528, Qualitative Methods. Oct. 5, 2016.
- 2016 “Are Contemporary Resource-Based Societies Natural Conservationists?” ANT 493, Capstone
- 2015 “Are Contemporary Resource-Based Societies Natural Conservationists?” ANT 493, Capstone.
- 2014 “Collective Action, Participatory Policies, and the New Enclosures of the Commons in Ecuadorian Mangrove-Associated Fisheries” for ANT 555, Natural Resource Management in Cross-Cultural Perspective, University of Maine. Apr 17, 2014.
- 2014 “Are Contemporary Resource-Based Societies Natural Conservationists?” ANT 493, Capstone.

Service on Student Committees

- **Advisor/Chair:** PhD
 - o Sarah Ebel, Anthropology and Environmental Policy, 2014 – 2019
 - o Dominic Piacentini, Anthropology and Environmental Policy, 2017 - present
 - o Abdul Mohammed Baten, Anthropology and Environmental Policy, 2019 - present
- **Advisor/Chair** for 2 honors students and on the Collaborative Immersion Project Team, IGERT program, 2016 – 2018
- **Service on committees:** 7 PhD students, 7 MS students, and 11 undergraduate honors thesis.

SERVICE & OTHER PROFESSIONAL EXPERIENCE**Service to the Profession**

2017 Fulbright Maine Chapter, Board Member, Marketing Chair & Webmaster (2017-2019)

Proposal Reviewer:

- 2020 NSF Standard Grant Proposal (Cultural Anthropology Program)
- 2019 NSF Standard Grant Proposal (Geography and Spatial Sciences Program)
- 2018 NSF Cultural Anthropology Doctoral Dissertation Advisory Panel (19 proposals)
- 2017 NSF Standard Grant Proposal (Science, Technology, and Society – STS)
- 2015 IGERT Collaborative Immersion student proposals (Internal Awards)

Manuscript Reviewer:

- 2020 Conservation Letters (1); Coastal Management (1); Philosophical Transactions of the Royal Society B (1)
- 2019 Bulletin of Marine Science (1)
- 2018 Ocean & Coastal Management (1); Land Use Policy (1); Geoforum (1); Springer Ethnobiology Series (1);
- 2017 Ocean & Coastal Management (1); Sustainability Science (1); Aquaculture & Fisheries (1); Applied Geography (1)
- 2016 Marine Policy (1); Ocean & Coastal Management (1); Marine & Coastal Fisheries (1); Environmental Management (1); Resources (1)
- 2015 Society & Natural Resources (1); Bulletin of Marine Science (1); Human Ecology (1); Human Organization (1); Research in Economic Anthropology (1); The Cohen Journal (2); Maine Agricultural & Forest Experiment Station (1)
- 2014 Human Ecology (1)

2010 Ecological & Environmental Anthropology (1)

Discussant & Panel Invitations:

2017 Panelist for Fulbright, International Education Week, UMaine, 11/13/2017

2017 Panelist for Women in Science Luncheon, Graduate Student Government, UMaine, 4/21/2017

2017 Discussant for Climate Change Film Series, UMaine 4/4/2017

Conference Panels Organized & Chaired:

2019 Chair, Fisheries Governance Panel. International Association for the Study of the Commons, Lima, Peru. July 1-5, 2019.

2014 Chair, Approaches to Fisheries, Mariculture, and Seafood Consumption. Society for Applied Anthropology, Albuquerque, NM, March 18 – 22, 2014.

2013 Co-Organizer (with Victoria Ramenzoni), Changing Tides: Coastal and Marine Resources in a Time of Uncertainty. American Anthropological Association, Chicago, IL, November 20 – 24.

2012 Co-Organizer (with Elaina Lill) Adaptive Challenges Facing Coastal Communities. Society for Applied Anthropology, Baltimore, MD, March 27 – 31.

2007 Chair Marine Resources and Local Perceptions. Society for Applied Anthropology, Tampa, Florida, March 27 – 31, 2007

Editorial Positions:

2019 Co-Editor with Nemer Narchi, *America Profunda: visiones y convergencias en la oceanografía social del continente*.

2006 Managing Editor, *Ecological & Environmental Anthropology*, Department of Anthropology, University of Georgia (two years)

2005 Manuscript Editor, *Ecological & Environmental Anthropology*, Department of Anthropology, University of Georgia (one year)

Service at the University of Maine

To the University:

2020 Graduate School Board (2020 to present)

2019 Rising Tide Center-Susan J Hunter Award Committee

2018 Fulbright Student Program Advisor (2018 to present)

2018 Rising Tide Career Award Selection Committee

2017 Mandela Fellowship Program, Mentor

2017 Advisor, Your Story International (Student Organization) (2017 to present)

2016 Hudson Museum Board, Cooperating Curator (2016 to present)

2014 Judge for Graduate Student Symposium (2014, 2017, 2018)

2014 Interdisciplinary Graduate Education and Research Training (IGERT) Awards Committee

To the College of Liberal Arts and Sciences:

2018 Geddes Lecture Series (3 years)

2015 International Affairs Advisory Committee (2015 to present)

2015 Provost's Retention and Graduation Committee (2 years)

2013 Academic Council, College of Liberal Arts and Sciences, University of Maine (3 years)

To the Department of Anthropology:

2017 Advisor, Lambda Alpha National Collegiate Honors Society for Anthropology (2017 to present)

2016 Advisor for Anthropology Club (2016 to present)

2016 Program Outcomes Assessment Committee (2016 to present)

2014 Graduate Committee, Ph.D. Program in Anthropology & Environmental Policy (AEP), Department of Anthropology, University of Maine (2014 to present)

Service to the Community, Outreach, and Volunteerism

- 2019 Public presentation in Isla Costa Rica, Ecuador: “Antropología y las comunidades del manglar en la costa Ecuatoriana,” Junta Parroquial, Isla Costa Rica, Ecuador, Sept. 29.
- 2019 Prepared and facilitated a series of community workshops in Isla Costa Rica, Ecuador with ESPOLE students on a range of topics: 1) English conversation for high school students; 2) sustainable horticulture for youth and interested community members (led by Leo Carvajal); 3) Ecuadorian law and public participation for members of local government (led by Wendy Chavez Paez), Aug - Sept.
- 2018 Judge for Eastern Maine Skippers Program (EMSP) Symposium at the Grand in Ellsworth, ME.
- 2017 Eastern Maine Skippers Program (EMSP) Symposium for 100 high school students presenting collaborative research on “How do individuals and communities manage and restore local fisheries?” Provided suggestions and feedback on student presentations.
- 2014 Guest presentation at Ecuador orientation for Engineers without Borders, UMaine Chapter (2014, 2015)
- 2013 Licensing Reform Working Group, Penobscot East Resource Center (PERC), Stonington, ME
- 2010 Workshop on shellfish and mangroves in Las Manchas, Ecuador, Nov. 23.
- 2010 Workshop on shellfish and mangroves in Muisne, Ecuador, Nov. 21.
- 2010 (With Instituto Nacional de Pesca), Workshop on shellfish and mangroves in Puerto Hualtaco, El Oro, Ecuador, July 11.
- 2010 (With Instituto Nacional de Pesca), Workshop on shellfish and mangroves in Isla Costa Rica. Asociación de Pescadores Artesanales, Mariscadores y Afines “Costa Rica.” Isla Costa Rica, El Oro, Ecuador, July 10
- 2009 Workshop on mangrove concessions and community-based management of shellfish and mangroves in Isla Costa Rica. Asociación de Pescadores Artesanales, Mariscadores y Afines “Costa Rica.” Isla Costa Rica, El Oro, Ecuador, October 13.
- 2002 Volunteer Environmental Technician, US Geological Survey, Miami FL
- 2002 Coastal Habitat Restoration Volunteer, John U. Lloyd Beach State Park, Florida Department of Environmental Protection, Hollywood, FL
- 2001 Salt Marsh Restoration Project Volunteer, New York City Parks Department, Staten Island, NY

PROFESSIONAL MEMBERSHIPS (* signifies active membership/ regular participation)

- 2017 Fulbright Maine Chapter & Fulbright Board
- 2017 Coastal & Estuarine Research Federation
- 2017 * Lambda Alpha National Anthropology Honor Society
- 2013 American Anthropological Association (AAA)
- 2013 Association of American Geographers (AAG)
- 2009 * International Association for the Study of the Commons (IASC)
- 2007 Latin American Studies Association (LASA): Environment & *Ecuadorianistas* Sections
- 2007 Society for Economic Anthropology (SEA)
- 2006 * Society for Applied Anthropology (SfAA)
- 2005 Bolivian Studies Association (BSA)