##### FELIPE MURTINHO

Associate Professor

International Studies; Public Affairs & Nonprofit Leadership; Environmental Studies

Seattle University

murtinhf@seattleu.edu; (206) 296-2088

**EDUCATION**

2011 Ph.D. University California Santa Barbara

Field of study: Geography (Human-Environment Relations)

Dissertation Title: *Adaptation in Watershed Management among Andean Rural Communities*

Committee: Hallie Eakin, David Lopez-Carr, Christina Tague and Elinor Ostrom

2001 M.A. Universidad de los Andes (Colombia) and University of Maryland (USA)

 Field of study: Environmental and Natural Resources Economics

#### 2000 B.A. Universidad de los Andes (Bogotá, Colombia)

 Field of study: Economics

 Minors in History and Latin American Studies

## PROFESSIONAL EXPERIENCE

#### 2020-Present Director, International Studies, Seattle University

#### 2018-Present Associate Professor, International Studies & Public Affairs and Nonprofit Leadership, Seattle University

#### 2013-Present Affiliated Faculty, Environmental Studies, Seattle University

#### 2013-2018 Assistant Professor, International Studies & Institute of Public Service, Seattle University

#### 2011-2013 Instructor, Institute of Public Service, Seattle University

#### 2010-2011 Adjunct, Institute of Public Service & Environmental Studies, Seattle University

#### 2010 Consultant, CONDESAN, Ecuador

#### 2006-2008 Research & Teaching Assistant, Geography, University California Santa Barbara

#### 2006 Consultant, Research Institute Alexander von Humboldt. Bogotá, Colombia

#### 2001-2005 Research Associate, Research Institute Alexander von Humboldt. Bogotá, Colombia

#### PUBLICATIONS

**Peer-Reviewed Articles**

2023 Hayes, T, and **F. Murtinho.** Diagnosing Participation and Inclusion in Collective Decision-Making in the Commons: Lessons from Ecuador. International Journal of the Commons, 17(1)

2021 Hayes, T, **F. Murtinho**, H. Wolff, MF. Lopez-Sandoval, and J. Salazar. Effectiveness of payment for ecosystem services after loss and uncertainty of compensation. Nature Sustainability, 5(1), 81-88

2019 Hayes, T, T. Grillos, L. Bremer, **F. Murtinho**, and E. Shapiro. Collective PES: More than the sum of individual incentives. Environmental Science & Policy, 102, 1-8.

2018 Hayes, T, **F Murtinho**. Communal governance, equity and payment for ecosystem services. Land Use Policy, 79, 123-136

2018 Quiroz, C, P. Crespo, B. Stimm, **F. Murtinho**, M. Weber, and P. Hildebrandt. Contrasting stakeholders’ perceptions of Pine Plantations in the Páramo ecosystem of Ecuador. Sustainability, 10(6), 1-23.

2017 **Murtinho, F**. and T Hayes. Communal Participation in Payment for Environmental Services (PES): Unpacking the Collective Decision to Enroll. Environmental Management, 59(6), 939-955.

2017 Hayes, T, **F. Murtinho** and H. Wolf. The impact of payments for environmental services on communal lands: An analysis of the factors driving household land-use behavior in Ecuador. World Development, 93, 427-446.

2016 **Murtinho, F**. What facilitates adaptation? An analysis of community-based adaptation to environmental change in the Andes. International Journal of the Commons, 10 (1), 119-141

2015 Hayes, T, **F. Murtinho** and H. Wolf. An Institutional analysis of Payment for Environmental Services on collectively managed lands in Ecuador. Ecological Economics, 118, 81-89.

2015 Hayes, T, **F. Murtinho**, L. Cardenas, P. Crespo, S. McHugh and D. Salmeron. Can Conservation Contracts Co-Exist with Change? Payment for Ecosystem Services in the Context of Adaptive Decision-Making and Sustainability. Environmental Management, 55 (1), 69-85.

2013 **Murtinho, F**, H. Eakin, D. Lopez-Carr and T. Hayes. Does external funding help or hinder adaptation? Evidence from community-based water management in the Colombian Andes. Environmental Management, 52 (5), 1103-1114.

2013 **Murtinho, F**., C. Tague, B. de Bievre, H. Eakin and D. Lopez-Carr. Water scarcity in the Andes: contrasting climate, land use and socioeconomic changes to local perceptions. Human Ecology, 41 (5), 667-681.

2012 **Murtinho, F.** and T. Hayes. Adaptation in resource-dependent communities: A call for greater methodological clarity in adaptation field research. Society & Natural ResourcesJournal25 (5), 513-522.

2010 Eakin, H, A. Lerner and **F. Murtinho**. Adaptive capacity in evolving peri-urban spaces: Responses to flood risk in the Upper Lerma River Valley, Mexico. Global Environmental Change-Human and Policy Dimensions, 20 (1), 14-22.

2008 Carr, DL, **F. Murtinho**, W. Pan, A. Barbieri, R. Bilsborrow, C. Suchindran, and T. Whitmore. Un análisis multi-nivel de población y deforestación en el Parque Nacional Sierra de Lacandón, Petén, Guatemala. Documents d’analisi Geografica, 52, 49-67.

2008 Hayes, T. and **F. Murtinho**. Are indigenous forest reserves sustainable? An analysis of present and future land-use trends in Bosawas, Nicaragua. International Journal of Sustainable Development & World Ecology, 15 (6), 497-511.

**Invited Peer-Reviewed Book Chapters**

2014 **Murtinho, F.** Proteccion de Ecosistemas y Manejo de Agua: Experiencias Comunitarias en los Andes de Colombia. In Cuesta, F., J. Sevink, LD Llambi, B. de Bievre and J. Posner (eds.). Avances en investigación para la conservación de los Páramos Andinos (pp. 225-244). CONDESAN, Lima, Perú.

2013 **Murtinho, F**. Estrategias de las Juntas Administradoras de Agua para materializar su seguridad hídrica en los Andes Colombianos. In Hoogesteger, J. and Urteaga, P. (eds). Agua e Inequidad: Discursos, políticas y medios de vida en la región andina (pp. 117-138). Instituto de Estudios Peruanos (IEP), Lima, Perú.

2012 De Bievre, B., M. Bustamante, W. Buytaert, **F. Murtinho**, MT Armijos. Síntesis de los impactos de los efectos del cambio climático en los recursos hídricos en los Andes Tropicales y las estrategias de adaptación desarrollada por los pobladores. In Cuesta F. et al. (eds). Panorama andino de cambio climático: Vulnerabilidad y adaptación en los Andes Tropicales y Mitigación de los Efectos del Cambio Climático en los Andes Tropicales (pp. 65-107) CONDESAN, SGCAN, Lima, Perú.

**Articles in Progress and Under Review**

**Murtinho, F**., T Hayes, R. Madrigal, B. Viguera. Sustained governance of community-based water management in the context of socioeconomic changes: Lessons from Costa Rica. Article in preparation.

Hayes, T, and **F. Murtinho**. Local Governance Conditions in support of Inclusive Decision-Making in the Commons: A review of empirical studies. Article under review.

Hayes, T, and **F. Murtinho**. Using the Institutional Analysis and Development (IAD) Framework to link collective action, behavioral change, and social-environmental outcomes in conservation policy. Book chapter under review.

**Other Publications**

2022 Hayes, T. **F. Murtinho** and M.F. Lopez. Incentivos para la conservación: ¿una herramienta que apoya el manejo comunitario sostenido de recursos naturales? Technical Report prepared for Environmental Department of Ecuador. Quito, Ecuador. [ISBN: 978-9942-836-09-0](https://biblio.flacsoandes.edu.ec/libros/digital/58856.pdf)

2014 Hayes, T. **F. Murtinho** and M. Bustamante. Participación comunitaria y conservación de páramo en la sierra ecuatoriana Technical Report prepared for Socio Bosque - Environmental Department of Ecuador. Quito, Ecuador

2011 Association of American Geographers. Climate Change and Hazards in the Americas. International Interdisciplinary Research Directions and Opportunities. Association American Geographers, Washington D.C.

2004 Arango, D, X. Murillo, S. Hernández, C. Ruíz, N. Vargas, **F. Murtinho**. Manejo local y participativo de la micro-cuenca de Chaina, Boyacá. Instituto Humboldt. Bogotá, Colombia.

#### PROFESIONAL PRESENTATIONS

#### Guest speaker

2023 **Murtinho, F.** Estrategias de levantamiento de información social en campo. Presented at CATIE University, Costa Rica, October 3

2023 Hayes, T. and **F. Murtinho**. ¿Cómo promover la acción colectiva para el manejo sostenible y justo? Presented at CATIE University, Costa Rica, May 18

2017 Hayes, T. and **F. Murtinho**. Investigación siguiendo el marco teórico de análisis institucional de Ostrom (“Bloomington School”). Presented at Facultad Latinoamericano de Ciencias Sociales (FLACSO), Quito, Ecuador, July 13.

2016 **Murtinho, F.** Do payments matter? The impact of Payment for Environmental Services on Communal Lands. Presented at the School of Interdisciplinary Arts and Sciences, University of Washington, Bothell. November 1.

2016 Hayes, T. and **F. Murtinho**. La gobernanza de los sistemas socio-ecológicos en América Latina. Presented at Facultad Latinoamericano de Ciencias Sociales (FLACSO), Quito, Ecuador, July 14.

2015 Hayes, T. and **F. Murtinho**. Programa Socio Páramo en Territorios Colectivos. Impactos Institucionales y de Uso del Suelo. Presented at Facultad Latinoamericano de Ciencias Sociales (FLACSO), Quito, Ecuador, July 10.

2014 Hayes, T. and **F. Murtinho**. Participación Comunitaria y Conservación de Páramo en la Sierra Ecuatoriana. Presented at Environmental Department of Ecuador. Baños, Ecuador July 2014

#### Paper Presentations at Academic Conferences

2023 Hayes, T, and F. Murtinho (2023). Local Governance Conditions in support of Inclusive Decision-Making in the Commons. A review of Empirical Studies. Presented at the International Association for the Study of the Commons – IASC. Nairobi, Kenya, June 19-24.

2019 Murtinho, F Collective resource management under the rise and fall of Payment for Environmental Services (PES). Presented at the Global Conference of the International Association for the Study of the Commons - IASC. Lima, Peru, July 1-5.

2018 Murtinho, F. and Hayes, T. PES in the Commons: Assessing Behavior and Social-Institutional impacts in Ecuador. Presented at International Association for the Study of The Commons Workshop. Tempe, AZ, March 9.

2017 Murtinho, F. and Hayes, T. Equity and Fairness: An assessment of communal Payments for Environmental Services (PES) in Ecuador. Presented at International Congress for Conservation Biology. Cartagena, Colombia, July 24.

2016 Murtinho, F. Economic incentives, perceived equity and behavioral change in collectively-managed lands. Presented at AAG Annual Conference. Panel “Beyond Neoliberal Natures -- The Reworking of Payments for Ecosystem Services (PES) on the Ground: Equity and Values”. San Francisco, April 1.

2015 Murtinho, F. and Hayes, T. Payment for Ecosystem Services in the Commons: Who Participates? Presented at the Global Conference of the International Association for the Study of the Commons. Edmonton, Canada, May 25-29.

2014 Murtinho, F. and Hayes, T. Payment for Ecosystem Services: Evidence from the Ecuadorian Andes. Presented at Center for Environmental Justice and Sustainability. Seattle University, May 14.

2014 Murtinho, F. and Hayes, T. Collective Decision-Making to Participate in Payment for Ecosystem Services Programs: Evidence from the Ecuadorian Andes. Presented at the AAG Annual Conference. Panel "Paths toward Sustainable Payments for Ecosystem Services". Tampa, FL. April 7-11.

2011 Murtinho, F., C. Tague, and D. L. Carr. Water scarcity in the Andes: contrasting climate, land use and socioeconomic changes to local perceptions. Presented at the AAG Annual Conference. Panel "Socio-Cultural Dimensions of Climate Change". Seattle WA. April 12-16.

2010 Murtinho, F., H. Eakin and D. Lopez-Carr. Is External Assistance Needed for Adaptation? An Assessment of Government Intervention in Local Water Management in the Colombian Andes. Presented at the North American Regional Meeting of the International Association for the Study of the Commons Conference. Tempe, AZ, October 1. Available at: [http://dlc.dlib.indiana.edu/dlc](http://dlc.dlib.indiana.edu/dlc/)

2010 Murtinho, F., H. Eakin and D. Lopez-Carr. At what scale are local adaptation processes triggered? Evidence from watershed management in the Andes of Colombia. Presented at Association of American Geographers Annual Conference. Panel: Climate Adaptation, Landscapes, and Institutions. Washington D.C. April 14-18

2010 Murtinho, F. Understanding Adaptation to Climate Variability: Challenges and Opportunities of Community Based Water Management. Paper presented at ICARUS workshop " Climate Vulnerability and Adaptation: Theory and Cases". Urbana-Champaign, IL, February 11-13.

2009 Murtinho, F. Watershed management and adaptation to environmental change: a case study of Water User Associations in the Colombian Andes. Paper presented at the 2009 Conference on the Human Dimensions of Global Environmental Change. Amsterdam, December 2-4.

2009 Murtinho, F. and C. Tague. Contrasting climate and land use changes with local perceptions: a case study of water management adaptation in the Andes of Colombia. Presented at 2009 Annual Conference of the American Water Resources Association. Seattle, November 9-12.

2009 Murtinho, F. Adaptación frente a la degradación de fuentes de agua: Experiencias de Acueductos Comunitarios en los Andes Colombianos. Paper presented at the 2nd Páramos World Congress. Loja, Ecuador, June 21-27.

2009 Murtinho, F. Adaptation in Watershed Management among Andean Rural Communities in Colombia. Dissertation preliminary results. Presented at the Inter-American Foundation Mid-Year Conference. Quito, Ecuador, February 11-13.

2008 Murtinho, F. and T. Hayes. Insights from the field for measuring and analyzing adaptation in common-pool resource management. Proceedings of the Biennial Conference of the International Association for the Study of the Commons. Cheltenham, England, July 14-18.

#### REASEARCH GRANTS AND AWARDS

#### 2023-2024 Seattle University, Undergraduate Student Assistantship Award ($900)

#### 2023 Seattle University, Summer Faculty Fellowship ($7,100)

#### 2017-2022 NSF - Decision, Risk and Management Sciences. T. Hayes, and F. Murtinho. “RUI: What happens when payments stop? Collective resource management under the rise and fall of Payment for Environmental Services (PES)” ($496,163)

#### 2016 Seattle University, Summer Faculty Fellowship ($7,100)

#### 2013 Seattle University, Center for Environmental Justice and Sustainability Faculty Fellowship, Course Release.

#### 2012-2015 NSF - Decision, Risk and Management Sciences. T. Hayes, F. Murtinho and H. Wolff. “RUI: Influence of Economic Incentives on Common-Property Forest Management: Rural Decision Making in the Context of REDD+” ($450,000)

#### 2010 NSF - PASI Program - Climate Change and Hazards in the Americas (Training)

#### 2009-2010 UCSB Graduate USAP Fellowship ($1,458)

#### 2009 NSF - Geography and Spatial Sciences. Dissertation Award ($11,950)

#### 2009 UCSB Affiliates Graduate Dissertation Fellowships ($3,000)

#### 2009 UCSB Nancy Brown Environmental Graduate Dissertation Fellowship ($3,000)

#### 2009 UCSB Graduate Research Award for Social Science Surveys GRASSS ($1,160)

#### 2008-2009 Inter-American Foundation's Grassroots Fellowship ($17,000)

#### 2008-2009 Proyecto Páramo Andino Fellowship ($6,250)

#### 2008 UCSB Academic Senate Travel Grant ($1,030)

#### 2007 UCSB Luce Environmental Science to Solutions Fellowship ($6,000)

#### 2007 UCSB James D. Kline Fund for International Studies Award ($2,500)

#### 2006-2008 UCSB Geography Department. Teacher Assistantship ($102,100)

#### 2002 Indiana University. IFRI Training Scholarship ($5,000)

#### 2001 Environmental Department of Bogotá. Master Thesis Support Grant ($500)

#### 2000-2001 Inter-American Development Bank and Uniandes Fellowship ($22,800)

#### 1997 President of the Economic Department’s Student Association, Uniandes, Bogotá.

#### COURSES TAUGHT

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  **Geography/Env. Studies** |  |  **Public Policy**  |  |  **Methods** |
| * World Geography (undergraduate)
* Environmental Perspectives (undergraduate)
 |  | * Policy Analysis (graduate)
 |  | * Research design and statistics (undergraduate & graduate level)
* Geographic Information Systems (GIS) (undergraduate & graduate level)
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#### SERVICE

1. **Service to the University**

2021 Advisory Board Member, Seattle University Undergraduate Research Journal

2019 Office of Sponsored Research Hiring Committee

2016-2020 Geographic Information Systems University Committee

2015-2017 Advisory Board Member, International Development Internship Program (IDIP)

2014-2017 Guest Speaker for Xavier Global House Initiative

2014 Conference selection committee for the Center for Environmental Justice and Sustainability

2009 Guest Speaker at Working Collaboratively for Sustainability

1. **Service to College of Arts and Sciences**

2024 A&S Dean Search Committee

2024 A&S Collegium Director Search Committee

2022-Present A&S College Rank and Tenure Committee

2022-Present Faculty peer review teaching evaluations (6 courses)

2023 Spanish Program faculty search committee

2019-2020 A&S Professional Advisory Board

2019 EC/FSS APR Service Committee for Full Time NTT Faculty

2017-2019 A&S Faculty and Staff Senate

2017 NAEF Scholarship Application Reviewer

2016-2017 A&S Global Affairs Committee

2011 Faculty Advisor, Friends of Nicaragua

1. **Service to my Departments**

2024 MPA – Chair Diversity & Inclusion Committee

2018-Present INST Professional Development Coordinator

2018-Present Mentor for two TT PANL Faculty

2013-Present INST & MPA advisor for 15-25 students/quarter

2021-Present PANL - Community Engagement Committee

2020-Present Personnel Committee for INST, EVST, and PANL

2019-2021 Environmental Studies faculty search committee

2017-2021 IPS – Chair Diversity & Inclusion Committee

2016-2017 International Studies faculty search committee

2015-2016 International Studies graduate program committee

2014-2015 International Studies faculty search committee

2014-2016 International Studies major curriculum committee

2013-2014 International Studies honors program curriculum committee

2013-2016 International Studies faculty representative at Fall Preview Days

2012-2013 MPA quantitative curriculum committee

1. **Service to Undergraduate Research**

2024 Undergraduate research in Statistics and Theory (supervised 2 students)

2017-Present Honor’s Thesis External Reviewer (10 students)

2019-2020 Undergraduate research in Ecuador (mentored 3 students)

2018-2019 Undergraduate research in Statistics (supervised 1 student)

2015-2017 Faculty Advisor to Global Student Embassy club

2015 Presenter at Sullivan Leader’s Day

2014-2015 Undergraduate Research in Statistics and GIS (supervised 2 students)

2014 Undergraduate research in Ecuador (mentored 3 students)

2013-2014 Faculty Advisor, Fulbright Application

2011-2014 Undergraduate mentor for EVST Capstone students

2011 Undergraduate research in Ecuador (mentored 2 students)

1. **Service to External Communities**

2021-Present Co-chair in a PhD dissertation, Rural Development Program, FLACSO, Ecuador

2021-Present External advisor “Fundacion IC” Colombia.

2022 Policy report to Ecuadorian Environmental Agency and local NGOs

2020 Dissertation Reviewer, Public Policy Program, FLACSO, Ecuador

2019 University of Geneva, Assessing the potential contribution of PPCR to building a climate‐resilient water governance framework in Bolivia

2014 Policy report to Ecuadorian Environmental Agency and CONDESAN

2014 Environmental and Development workshops with Andean communities in Ecuador

2011 Report to Regional Environmental Authority in Colombia

1. **Service to Academic Field**

2019 Panel co-organizer with Tanya Hayes. “Understanding local outcomes of conservation initiatives in the context of multi-level social, economic and environmental change” for XVII Biennial IASC Conference, Lima, Peru July 1-5, 2019.

**External Reviewer for Grant Proposals**

2012-Present National Science Foundation (Decision, Risk and Management Sciences, Cultural Anthropology, and Human-Environment and Geographical Sciences) (5 proposals)

2017 CONDESAN, Ecuador (Fondo Becas Bosques Andinos)

**External Reviewer for Refereed Journals**

|  |  |
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| AMBIO | Land Degradation and Development |
| Applied Geography | Land Use Policy |
| Climate and Development | Latin American Research Review  |
| Conservation Letters | Mountain Research & Development |
| Ecological Economics | People and Nature |
| Ecosystem Services | Regional Environmental Change |
| Environmental Management | Society and Natural Resources |
| Human Ecology | Sustainability |
| Human Organization | Water and Climate |
| Global Environmental Change | Water Policy |
| Interdisciplinary Environmental Review | World Development |
| International Journal of the Commons | World Development Sustainability |
| Journal of Rural Studies |  |
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#### PROFESIONAL MEMBERSHIP

2008-Present International Association for the Study of the Commons – IASC

2008-2018 Association of American Geographers – AAG

AAG Specialty Groups: Cultural & Political Ecology, Latin America, Rural Geography, Human Dimensions of Global Change

2013-2018 Conference of Latin Americanist Geographers – CLAG

2009-2010 American Water Resource Association – AWRA