

Joshua Fisher, PhD

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RECENT PROFESSIONAL HISTORY

2014 - Current Director, Advanced Consortium on Cooperation, Conflict and Complexity

The Earth Institute, Columbia University, New York

- Direct strategy, operations & staff of Columbia University research center.
- Oversee financial management for budgets of ~\$2m & manage multiple grants.
- Recruit & manage interdisciplinary teams of scientists, consultants & administrative staff.
- Advise governments & civil society on protected area management & conservation planning, stakeholder engagement, extractive industry conflict prevention, & interagency coordination.
- Deliver trainings for Governments, IOs & NGOs on conflict early warning, monitoring & evaluation in the natural resource sector.
- Principal Investigator (PI); Lead multiple physical & social science studies on:
 - Environmental & social impact analysis of mining contamination in Papua New Guinea.
 - Natural resource planning, small-scale mining & protected area management in Peru.
 - Large Scale Mining and impacts of mine closure in Forest Landscapes in Tanzania.
 - Sustainable human development in Basque Country, Spain.
 - Environment, Peace & Security in Mozambique.
 - Civil society & government coordination in Colombia.

2012 – Current Lecturer

Columbia University, New York

- Teach graduate courses on Environmental Conflict Analysis & Environmental Negotiation.
- Teach graduate courses on Regional Environmental Sustainability in the Middle East.
- Co-teach executive trainings on Environmental Impact Analysis for govt. & sector personnel.
- Serve on thesis committees for graduate students.

2012 - 2014 Postdoctoral Research Scientist

The Earth Institute, Columbia University, New York

- PI; designed & led 3-year study on sustainable development in The Basque Country.
- PI; designed & led 3-year study on conflict-sensitive protected area management in Peru.
- Co-PI; designed & led pilot study on soil quality, deforestation & ASM in Philippines.
- Co-PI; GIS/geospatial research on climate drivers of violent conflict.
- Delivered trainings on protected area mgmt. & conflict prevention to Govt. of Peru & NGOs.
- Raised ~\$1.5m for research into biodiversity conservation & extractive industry management.

2010 – 2012 Senior Social Scientist

Group W, Washington DC

- Co-PI; Managed multi-method field study on protected area management & agriculture in Gorongosa National Park, Mozambique in partnership with Utah State University.
- Designed socio-economic & agricultural survey in Portuguese & supervised data collection.
- Managed 15-person team of researchers in data collection & analysis.
- PI: GIS/geospatial research on conflict early warning & forecasting.
- Co-PI: Served as a senior researcher for USG contract on interagency disaster response.

2008 – 2009 Conservation Science Program Research Intern

World Wildlife Fund, Washington DC

- Designed & led geo-spatial analysis of conflict risk in global biodiversity hotspots.
- Designed & led qualitative analysis of fishery productivity & livelihood impacts in marine protected areas in Mozambique.

2005 – 2007 Outdoor Recreation Planner

US Bureau of Land Management, Vernal Field Office, Utah

- Conducted environmental assessments for proposed land management projects including biodiversity conservation & oil & gas development on public lands.
- Conducted transportation planning & other renewable resource development planning.
- Conducted stakeholder facilitation, negotiations & conflict management.
- Supervised field projects & operations in protected area enforcement & trail development.
- Monitored environmental impacts for Wilderness Study Areas & Wild Scenic Rivers.
- Managed special recreation permits & daily use for sections of Green River & White River.
- Served on interagency task forces for land-use planning in public lands & protected areas.

EDUCATION

Postdoctoral (2012-2014) Columbia University, New York

Research: *Natural Resource & Conservation Management; Conflict Prevention*

Ph.D. Conflict Analysis and Resolution (2010) George Mason University, Fairfax, Virginia

Thesis: *The Ecological Correlates of Armed Conflict – Geospatial-statistical Forecasting*

M.S. Political Science (2004) Utah State University, Logan, Utah

Thesis: *The Political Economy of Conflict Resolution in East Timor*

B.S. International Law & Environmental Policy (2002) Utah State University, Logan, Utah

Research: *Natural Resource Management and Policy*

PROFESSIONAL AFFILIATIONS

Society for Conservation Biology; International Association of Conflict Management

LANGUAGE SKILLS

English (native); Spanish (fluent); Portuguese (technical proficiency)

IN-COUNTRY EXPERIENCE

Colombia, Mexico, Mozambique, Papua New Guinea, Philippines, Peru, Spain, United States

SELECTED PUBLICATIONS

Fisher, J., and Rucki, K. (2016) Re-conceptualizing the Science of Sustainability: A Dynamical Systems Approach to Understanding the Nexus of Conflict, Development and the Environment. *Sust. Dev.*, doi: [10.1002/sd.1656](https://doi.org/10.1002/sd.1656).

Coleman, P., Redding, N. & **Fisher, J.** (in press). Understanding Intractable Conflicts. Chapter to be published in C. Honeyman et al. (eds.) *The Negotiator's Fieldbook: The Desk Reference for the Experienced Negotiator*. 2nd Edition. Washington, D.C. ABA Section of Dispute Resolution.

Coleman, P., Redding, N. & **Fisher, J.** (in press). Influencing Intractable Conflicts. Chapter to be published in C. Honeyman et al. (eds.) *The Negotiator's Fieldbook: The Desk Reference for the Experienced Negotiator*. 2nd Edition. Washington, D.C. ABA Section of Dispute Resolution.

Geller, A., **Fisher, J.**, & Rucki, K. (2015). *Gure Esku Dago & The Right To Decide: Viewpoints, Challenges and Ways Forward*. Impact Assessment Report for Gure Esku Dago. Scensei, LLC & AC4, The Earth Institute. Washington DC & New York.

Fisher, J., Redding, N., Straw, C., & Mazzaro, K. (2015). *The Contribution of Reconciliation and Victim Memory to Sustainable Peace in Colombia: A Dynamics Systems Analysis*. Project Report for World Bank Group Contract P156805. New York. AC4, The Earth Institute.

Russo, T., Alfredo, K., & **Fisher, J.** (2014). Water Management in Sustainable Human Development: Part I. Water Quantity. *Water* 6: 3934-3956.

- Fisher, J.** (2014). Managing Environmental Conflict. In M. Deutsch, P. Coleman, and E. Marcus (eds), *The Handbook of Conflict Resolution: Theory and Practice 3rd Edition*. On-line supplement. Jossey-Bass. San Francisco.
- Fisher, J.** (2014). *CSC Stories: Developing Conflict Sensitive Management Strategies in Public-Private Conservation Concessions in the Amazon*. International Institute for Sustainable Development. Available online at: <http://www.iisd.org/sites/default/files/publications/csc-stories-peru.pdf>
- Fisher, J.,** Elfes, C., Nhancale, C., Santos, R., Mbeve, T., Fox, H., Motta, H., and Mascia, M.B. (2014). *Social and Ecological Linkages in Marine Resource Use: A Case Study of the Primeiras e Segundas Archipelago in Mozambique*. Washington, D.C. World Wildlife Fund.
- Fisher, J.** (2011). *Geospatial modeling and conflict forecasting: advances and opportunities*. White paper produced by Group W, Inc. Fairfax, VA.
- Grattan, K., **Fisher, J.,** Hunt, K., Miller, Y., Tripplet, M. (2010). *Analytical Tools for the Application of Operational Culture: A Case Study in the Trans Sahel*. Report prepared for Operations and Analysis Division, USMC under Marine Corps Study Program. Quantico, VA. Group W Inc.
- Nan, S. A., **Fisher, J.,** Druckman, D., Ersoy, M., Olsen, D., and Yamin, S. (2009). *Peaceful Nations: Proceedings of the Global Symposium of Peaceful Nations*. Washington D.C. Alliance for Peacebuilding.

PUBLICATIONS IN PREPARATION

- Fisher, J.,** Knuckey, S. (IN PREP) A Framework for Integrating Science into Human Rights Fact Finding: The Case of the Right To Water and Gold Mining in Papua New Guinea.
- Fisher, J.,** Rucki, K., Hager, A., Gimenez, E., Coleman, P.T. (IN PREP) Four Propositions on Sustainable Development: Toward a Unified Theoretical Framework.

CONFERENCE PRESENTATIONS

- Fisher, J & Lim, C.** (2014). *Best Practices for Managing Protected Areas Impacted by Artisanal & Small-Scale Mining*. Research Poster. IUCN World Parks Congress. November 12-19 2014. Sydney, Australia.
- Fisher, J.** (2014). *Conflict-Sensitive Conservation: Lessons from the Peruvian Amazon*. Oral paper presentation. IUCN World Parks Congress. November 12-19 2014. Sydney, Australia.
- Fisher, J.** (2014). *Comprehensive Peace and Sustainable Human Development: Linkages, Interdependencies, and a Theoretical Model of Human Well-being*. Paper Presentation. Oral paper presentation. Annual meeting of the International Association of Conflict Management. July 4-7 2014. Leids, Netherlands.
- Fisher, J.** (2013). *Balancing Social and Ecological Needs in Conservation Planning and Protected Area Management*. 2013 Conference on Conservation Science. Center for Biodiversity and Conservation, American Museum of Natural History. October 11, 2013. New York, NY.
- Fisher, J.,** Zevallos, P., and Leppert, M. (2013). *Conflict-sensitive Protected Area Management in the Peruvian Amazon*. Invited Symposium. Intl. Congress for Conservation Biology. July 21-25, 2013. Baltimore, MD.
- Webb, C. Franks, B. and **Fisher, J.,** Higgins, T. (2013). *Regulatory Focus Theory as a Framework with Potential Utility for Conservation Psychology*. Research Poster. International Congress for Conservation Biology. July 21-25, 2013. Baltimore, MD.

Fisher, J., (2013). *The Ecological Correlates of Armed Conflict: A Geospatial and Spatial-statistical Approach to Conflict Modeling*. Oral paper presentation. Annual meeting of the International Assoc. of Conflict Management. June 30 – July 3, 2013. Seattle, WA.

Nan, S., Druckman, D., **Fisher, J.** (2011). *Types of Peaceful Nations*. Research Poster. International Assoc. for Conflict Management 2011 Annual Conference. July 3-6, 2011. Istanbul, Turkey.

BRIEFINGS & TRAININGS

Fisher, J. (2014). *Early Warning in Intra-state Conflict: Methods, challenges and models*. Invited Briefing for U.N. Diplomats at, “Preventing Intra-state Conflict: Promoting a vision of respect and inclusion”. May 3, 2014. UNITAR. New York.

Coleman, P.T., **Fisher, J.**, & Redding, N. (2014). *Conflict Intelligence & Systemic Wisdom: Navigating Conflict and Change at the World Bank Group*. Training delivered to World Bank Internal Justice System. May 15, 2014. Washington, DC.

Bostick, B., **Fisher, J.**, Gimenez, E., Lipton, S., Harnier, E. (2014). *Preserving Palawan: Causes of deforestation and agricultural approaches to stopping deforestation*. University of Western Philippines. March 19, 2014. Aborlan, Palawan, Philippines.

Fisher, J., Ochoa, F., Casteñeda, C., Loja, J. (2013). *La Concesión para la Conservación del Río Los Amigos y Efluentes: Plan de Manejo 2013 – 2018*. Delivered to regional government and civil society stakeholders. November 27, 2013. Puerto Maldonado, Peru.

Fisher, J., Zevallos, P., Leppert, M. (2013). *Conservación Sensible al Conflicto: Taller de Entrenamiento*. Delivered to staff from La Asociación para la Conservación de la Cuenca Amazonica and Parque Nacional de Manu. February 25-28, 2013. Puerto Maldonado, Peru.

Fisher, J., Zevallos, P., Leppert, M. (2013). *Conservación Sensible al Conflicto*. Delivered to staff of Machu Picchu & Parque Nacional de Manu. March 1, 2013. Cusco, Peru.

Fisher, J. (2010). *The Ecological Correlates of Armed Conflict*. Briefing for Office of the Coordinator for Reconstruction and Stabilization, U.S. Dept. of State. June 11, 2010. Washington, D.C.

Fisher, J. (2009). *Forecasting Conflict in Biodiversity Conservation Areas*. Briefing presented to Conflict Management and Mitigation Dept., USAID. February 3 2009. Washington, D.C.

SUBJECT MATTER EXPERT WORKSHOPS

UNDP – Africa, Caribbean & Pacific Secretariat of the United Nations – Stones for Development: Capacity Development of Mineral Institutions and of Small-Scale Private Sector Operating in Low-Value Minerals in ACP Countries. July 15-16 2015. Brussels, Belgium.

UNDP & Government of Brazil – Dialogue on the Extractive Sector and Sustainable Development. December 3-5 2014. Brasilia, Brazil.

Columbia University – Aid Effectiveness in the G7+ Fragile and Conflict Affected States. September 27, 2013. Columbia University, New York, NY.

USAID – Conflict, Fragility and the Environment: A USAID/DCHA/CMM Expert Workshop. January 26, 2011. Tetra Tech ARD Office. Arlington, VA.

USAID – Theories of Change Indicator Development Workshop: Expert Workshop. December 14-15, 2009. Institute for Conflict Analysis and Resolution, George Mason University. Arlington, VA.