**FERNANDO RODRIGUEZ-CAMAYO**

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**WORK EXPERIENCE**

**Center for Development Research (ZEF), University of Bonn.**

Doctoral Candidate. 2018 – present

Current research

* Research area: Food security, Food Systems, Resilience Capacity, Food Environments, and Livelihoods.
* Main objective: To identify how stakeholders in coffee value chain understand, address and can improve farmers’ resilience to food insecurity under extreme events, particularly in cases of climate change and Covid-19 pandemic
  + To understand stakeholders of the food system, respond under an extreme event.
  + To understand stakeholders of the value chain, address the food insecurity of coffee farmers under climatic stress.
  + To identify ways to improve resilience capacity for climate variation and farmers´ food insecurity with stakeholders of the coffee value chain.

**Alliance of Bioversity International - CIAT**

Visiting Researcher. 2018 - present

2021 – 2022. World Food Program – WFP: Value chains assessment for public procurement for school feeding. Honduras, Nicaragua, and El Salvador. My role in this project was to adjust the methods for data collection in the field. Then, analysis of the marketing cost of the actors involved in the public procurement and commercial channels. Finally, identify the entry points for WFP to make more inclusive and fair purchases for small food producers and organizations.

**International Center for Tropical Agriculture (CIAT)**

Research Associate. 2013 – 2017

Since 2013, I have been involved in several projects aiming to improve the livelihoods of rural communities depending on high value crops, such as cacao, coffee, and fruits. Here a brief description of the main projects and my roles:

Colombian Cacao Supply Chain and Extension Research Study. Funded by USAID (USD 60K). This project aimed to identify the entry points to leverage the cacao value chain in Colombia. My role in this project was: designing and collecting primary and secondary information on the leverage points of the cocoa value chain in Colombia. This included meeting and interviewing different actors throughout the value chain. I also compiled and prepared the costs structures of cacao and associated crops in the country, as this information is not available through official surveys, and is key to understand the competitiveness of cacao producers.

Borderlands Coffee Project. Funded by Catholic Relief Services and Buffet Foundation (USD 660K). The objective of the Borderlands Coffee was to increase the income of coffee farmers located in the border between Colombia and Ecuador (a region heavily affected by armed conflict). I coordinated the financial and technical project reports to the donor as well as the connection between research and development topics with public and private sector, farmers, researchers, and NGOs. I participated in the design of the survey for impact assessment, and provided expert opinion on the geographic distribution models generated for coffee and associated crops (this was later used to produce climate change projections). I carried out the value chain participatory assessment methodology was applied. In Colombia, public and private sector representatives involved in the project, led to mainstream the results of these assessments into a strategic plan presented to national high level politicians. Finally, I coordinated the design, test and implementation of inclusive business models between five international coffee buyers and two coffee-farmers associations.

Climate and agricultural sector of Colombia. Adaptation for productive sustainability. Market opportunities for Citrus, Mango and Avocado (USD 150K). This project responded to the needs of the Colombian government to prepare National Appropriate Mitigation Actions (NAMAs) plans for the agricultural sector. Here, I conducted market studies of perennial crops with the potential of stocking significant amounts of carbon in the medium and long run, and recovering degraded lands (e.g., citrus, mango and avocado). Through my analysis, the project could identify crops with a realistic demand from the market, and thus, with a potential to be grown in degraded lands.

**Catholic Relief Services (CRS)**

Consultant. 2011 - 2012

I coordinated the field assessment of the current state of Haitian coffee and mango chains. We developed two national strategies to support the recovery of Haiti with partners and main value chain actors, after the devastating earthquake of January 2010.

**International Center for Tropical Agriculture (CIAT)**

Programs: Tropicals fruits / Rural agro-enterprises development

Research Assistant. 2007 – 2011

As a research assistant I participated in several projects and activities, including:

* Formulated and coordinated the “improving competitiveness of peach palm (*Bactris gasipaes*) value chain in Colombia” project. This project enabled farmers to connect directly to markets and increase their revenues. Additional activities led to the identification of new pests, to strengthen the organizational skills of farmers and the design of a harvesting tool (Funded by USAID and CIAT, 300K).
* Coordinated the participatory selection of elite materials of “lulo” (*Solanum quitoense*) and blackberry (*Rubus glaucus*), including market-driven traits in Colombia and Ecuador project (Funded by Fontagro, 500K).
* Contributed to the validation and adaptation of the LINK methodology, a toolbox for developing more inclusive business. Such validations were performed with cacao and coffee producers in Ecuador; and cacao, coffee and herbs producers in Colombia.
* Organized and performed a series of workshops to strengthen value chains based on cultural assets in Colombia, Ecuador and Panama (Funded by IFAD, USD 880K).
* Conducted a participatory selection of high quality cocoa planting material in Southwestern Colombia. This project led to the valorization and conservation of promising planting material, that nowadays these communities are using and obtaining premium prices thanks to the quality of their produce (Funded by USAID, 15K).
* Facilitated the preparation of the participatory competitiveness strategy of beans and edible roots in Nicaragua, Honduras and El Salvador. This grouped a total of 8,000 farmers, and helped the funding agency to prioritize their interventions in these countries (Funded by CRS).

**International Center for Tropical Agriculture**

Programs: Rural agro-enterprises development / Diversification Agriculture Project Alliance - DAPA

Visiting Researcher. 2005 - 2007

Conducted the research of my masters´ degree under the umbrella of the “Diversification Agriculture Project Alliance” (Funded by GTZ). Here I identified the key skills and incentives that coffee farmers require to access high value markets.

**International Center for Tropical Agriculture**

**Cassava Program**

Intern 2002

I contributed to nutritional assessment of cassava accessions from the genebank of CIAT. My role was to coordinated cassava accessions from the experimental field and support the cassava cultivars nutritional assessment in the quality of food lab.

**EDUCATION**

***PhD. University of Bonn, Bonn, Germany***

*2018 – present Doctoral Candidate of Agriculture Faculty*

***Masters*****Universidad del Valle,** Cali, Colombia

2006 - 2008 Master in Business Administration.

***Specialization***

*2003 Jun – Dec* **Universidad de San Buenaventura**, Cali, Colombia

Quality and Food Safety

***Undergraduate*****Universidad de San Buenaventura,** Cali, Colombia

1998 – 2003 Food Science / Agro-Industrial Engineer

**PUBLICATIONS**

**Rodríguez-Camayo, Fernando**; Ramirez-Villegas, Julian; Borgemeister, Christian and Beuchelt, Tina. 2024. Understanding coffee farmers' poverty, food insecurity and adaptative responses to climate stress. Evidence from the dry corridor of western Honduras. Climate Change. (In progress)

**Rodríguez-Camayo, Fernando**; Lundy, Mark; Borgemeister, Christian Ramirez-Villegas, Julian and Beuchelt, Tina. 2023. Local food-system and household responses to external shocks: The case of sustainable coffee farmers and their cooperatives in western Honduras during Covid-19. Frontiers in Sustainable Food System. (Submitted).

An Analysis of the Colombian Cacao Supply Chain. USDA 2019. Tamara Benjamin, Phillip Abbott, Michael Wilcox, Gary Burniske, Collen Kelly, Marieke Fenton, Marcia Croft, **Fernando Rodriguez-Camayo** and Mark Lundy. Bogotá Colombia.

**Rodríguez-Camayo, F**; Lundy, M; Sheridan, M; Eitzinger, A; González, C; Montenegro, A; Ramírez-Villegas, J. 2015. Using scientific evidence to link articulate private and public sectors for planning; observations from coffee-sector engagement in Nariño, Colombia. CIAT Policy Brief No. 23. International Center for Tropical Agriculture (CIAT), Cali, Colombia. 6 p. <https://cgspace.cgiar.org/bitstream/handle/10568/66317/CIAT_PB23_PLANIFICACION_EN_ZONAS_DE_CONFLICTO_Y_POSCONFLICTO.pdf?sequence=5&isAllowed=y>

Graefe, Sophie; Dufour, Dominique L.; Van Zonneveld, Maarten; **Rodriguez, Fernando**; Gonzalez, Alonso. Peach palm (Bactris gasipaes) in tropical Latin America: implications for biodiversity conservation, natural resource management and human nutrition. Biodiversity and Conservation (2013) 22: 269 – 300. <https://cgspace.cgiar.org/bitstream/handle/10568/35577/Graefe_peachpalm.pdf?sequence=1&isAllowed=y>

LINK methodology: A participatory guide to business models that link smallholders to markets / Mark Lundy, Gertjan Becx, Nancy Zamierowski, Alexandra Amrein, Jhon Jairo Hurtado, Erika Eliana Mosquera, **Fernando Rodríguez**.-- Cali, CO : Centro Internacional de Agricultura Tropical (CIAT), 2012. 171 p -- (CIAT Publication No. 380). <http://dapa.ciat.cgiar.org/wp-content/uploads/big-files/2012/LINK_Methodology.pdf>

Lundy, M., Bexc, G., **Rodriguez Camayo, F**., Oberthur, T. 2012. Business models for quality coffee. In T. Oberthur, P. Läderach, H.A. J. Pohlan and J. Cock (eds.) Specialty Coffee: Managing Quality. International Plant Nutrition Institute, Southeast Asia Program, Penang, Malaysia

**Rodriguez, Fernando**; Castañeda, Nora Patricia & Lundy, Mark. 2011. Assessment of Haitian Coffee Value Chain. Catholic Relief Services - CRS & Centro Internacional de Agricultura Tropical – CIAT. Port au Prince, Haití. <http://www.crsprogramquality.org/storage/pubs/agenv/haiti_coffee_online.pdf>

Castañeda, Nora Patricia; **Rodriguez, Fernando** & Lundy, Mark. 2011. Assessment of Haitian Mango Value Chain. Catholic Relief Services - CRS & Centro Internacional de Agricultura Tropical – CIAT. Port au Prince, Haití. <http://www.crsprogramquality.org/storage/pubs/agenv/haiti_mango_online.pdf>

**Rodriguez F**, Graefe S, Giraldo A, Dufour D, Gonzalez A (2009) Food security, income generation and natural resource management of Afro-Colombian communities from the Pacific region through Access to markets: the case of peach palm (Bactris gasipaes K.). In: Tielkes E (ed) Biophysical and socio-economic frame conditions for the sustainable management of natural resources. Tropentag 2009: international research on food security, natural resource management and rural development, Hamburg. Book of abstracts, p 490 <http://www.tropentag.de/2009/abstracts/links/Graefe_8A0N9n6M.pdf>

**COMPLEMENTARY WORK EXPERIENCE**

**Consultant for Catholic Relief Services – CRS, 2010 Haiti**.Together with another consultant, we applied value chain mappings and semi-structured interviews with actors across the mango and coffee value chains in Southern Haiti. Our findings were used by CRS to prioritize interventions in the short run (3-5 years) towards the activation of these two value chains in Haiti.

**Teaching experience (2009).** Designed and taught the module “management of value chains with a focus on economic, social and environmental sustainability” in the Developing Rural Enterprises certification, organized between CATIE and CIAT.

**Founder** of Tucanes SAS. Specialty Coffee Roasters, since 2009 (small business). Colombia.

**AWARDS**

**Best Research Outcome, Best Institutional Support and Young Scientist Innovation Grant, 2014.** Finalist nominated: Link methodology

**Nominate Best Research Outcome. 2016 Public Policy for Coffee Sector in Nariño, Colombia.** Delivered a technical and scientific information to key regional actors in the public and private sectors to inform their decision making in the coffee sector and facilitated a cross-sector planning progress.

**PRESENTATIONS**

**5th Global Food Security Conference Towards equitable, sustainable and resilient food.**

KU Leuven, Belgium, 9th-12th April 2024

“Understanding coffee farmers' poverty, food insecurity and adaptative responses to climate stress. Evidence from the dry corridor of western Honduras” (accepted)

**TROPENTAG. Can agroecological farming feed the world? Farmers' and academia's views.** Czech University of Life Sciences, Prague, September 14-16, 2022

Oral presentation:  "Responses of the local food system during the first wave of Covid-19 from Honduras" <https://www.tropentag.de/2022/abstracts/links/Rodriguez-Camayo_LWyHujj9.pdf>

Poster: Can "Can coffee cultivation lead to food security under a changing climate? Evidence from western Honduras " <https://www.tropentag.de/2022/abstracts/links/Rodriguez-Camayo_9rLESE6v.pdf>

**First Cup Excellent of washed Robusta, Ecuador** 2016. <http://blog.ciat.cgiar.org/why-does-ecuador-import-coffee-which-the-country-is-fully-capable-of-producing-itself/>

Why does Ecuador import coffee which the country is fully capable of producing itself?

Climate Change Analysis Amazon of beans, cassava, plantain, coffee, cocoa and corn.

**VIII World Avocado Congress, Lima Peru**. 2015 Avocado crop could be support to mitigation of the climate change and value add to the country. Colombia Case Study. <http://dapa.ciat.cgiar.org/dapa-presente-en-el-congreso-mundial-del-aguacate/>

**PERSONAL INFORMATION**

*Languages* **Spanish:** Mother tongue

**English:** advanced – C

**German:** Beginner - A1

Hobbies: Mountain runner, specialty coffee roaster and swimmer.