

JORGE LUIS MONTERO MESTRE

Environmental Economist

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Current Position

Universidad de Los Andes

Post-Doctoral Fellow & Adjunct Professor

Bogota, Colombia

SDG Nexus Network - Justus Liebig University of Giessen

Research Associate

Giessen, Germany

Research Interest

Environmental and Natural Resource Economics, Development Economics, and Applied Econometrics.

Education

Universidad de Los Andes

2020 – 2025

PhD in Economics

Bogota, Colombia

Thesis: Three Empirical Essays on Marine Economics and Illegal Fishing

Advisor: Jorge Maldonado

Committee: Sandra Aguilar, Andries Richter, Mario Rueda

Universidad de Los Andes

2020 – 2023

M.Sc. in Economics

Bogota, Colombia

Universidad de Cartagena


2013 – 2019

B.S. in Economics


Cartagena, Colombia


Research

Publications


Jorge Marco, Miguel Ramirez, William Martinez, Iván Lizarazo, **Jorge Montero-Mestre**, Jorge Forero, Ali Kharrazi, Nadia Combariza & Alicia Correa (2025) Network-Based Assessment of Multi-Scale Resilience in the Water-Energy-Land-Food Nexus: A Case Study in the Colombian Caribbean. *Total Environment Advances*. 

Working papers

Understanding livelihoods of small-scale fishing communities: A dynamic fishing household production model. With *Jorge Maldonado, Rocío Moreno-Sánchez & Myriam Vargas-Morales*. **Submitted**. 

Examining Fuel Subsidy Effects on Fishing Activity in the East China Sea. With *Jorge Marco*. **In Preparation**. 

Deforestation in the Colombian Amazon Biome: Socioeconomic and Socio-Environmental Conflict Drivers. With *Jorge Maldonado & Rocío Moreno-Sánchez* **In Preparation**. 

Illuminating the Shadows: Assessing Compliance and Effectiveness in Marine Protected Areas with Satellite Imagery and AIS Data. With *Jorge Maldonado*. **In Preparation**. 

Unmasking the Threat to Property Rights: Unauthorized Fishing Activity during the COVID-19 Pandemic. With *Jorge Bonilla*. 

Selected works in progress

Does Conservation Influence Local Public Finances? Evidence from Colombian Municipalities.

MPA governance and fishing activity in Indonesia. With *Andries Richter, Anna Abatayo, & Maartje Oostdijk*

The impact of dams on biodiversity and human well-being: quasi-experimental evidence from the Amazon river basin. With *Ben Chipperfield*

Fishery bans and local development

Research Experience

JLU Giessen University & Universidad de Los Andes <i>SDGNexus Network PhD fellow</i>	06 2020 – 12 2024 <i>Bogotá, Colombia</i>
Universidad de Los Andes <i>Graduated Research Assistant</i>	06 2023 – 03 2024 <i>Bogotá, Colombia</i>
Universidad de Cartagena <i>Data analyst</i>	02 2019 – 01 2022 <i>Cartagena, Colombia</i>
Universidad de Cartagena <i>Research assistant</i>	01 2018 – 12 2018 <i>Cartagena, Colombia</i>
Bank of the Republic <i>Research assistant</i>	01 2017 – 12 2017 <i>Cartagena, Colombia</i>

Teaching Experience

Lecturer

- **Universidad de los Andes**

Environmental and natural resource economics for graduate students 2025 - current

Statistical & R Programming Workshop Seminar 2024 - current

Microsoft Excel Workshop Seminar for undergraduate students 2023 - current

- **Technical University of Munich**

WELF Nexus and Resilience for graduate students (*short course*) 2024

Teaching Assistant

- **Universidad de los Andes**

Econometrics for undergraduate students 2022 - 2024

Environmental and natural resource economics for graduate students 2022 - 2023

Conference Presentations

1st LAERE Annual Meeting <i>Assessing Compliance and Effectiveness in Marine Protected Areas with Satellite Imagery and AIS Data</i>	2025 <i>Bogotá, Colombia</i>
20th IEA World Congress <i>Marine conservation efforts and their effects on industrial fishing activity</i>	2023 <i>Medellin, Colombia</i>
17th EfD annual meeting <i>Unauthorized Fishing Activity during the COVID-19 Pandemic</i>	2023 <i>Acra, Ghana</i>
16th EfD annual meeting <i>Marine conservation efforts and their effects on industrial fishing activity</i>	2022 <i>Kampala, Uganda</i>

8th NENRE EfD-Chile annual meeting*Marine conservation efforts and their effects on industrial fishing activity***2022***Parral, Chile***National Colloquium of Doctoral Students in Economics***Marine conservation efforts and their effects on industrial fishing activity***2022***Cali, Colombia***Professional Services**

Reviewer

Journal of Behavioral and Experimental Economics

Selection committee

SDG Nexus Network PhD Scholarship - JLU, Giessen, Germany

Grants

Wageningen University & Research*WIMEK Research fellowship (5.450 €)***2024***Wageningen, Netherland***Skills/ Languages**

Programming skills

Stata, R, Python and Bigquery

GIS skills

ArcGis, QGis

Languages

Spanish (*Native*)

English (*Fluent*)