

# JORGE LUIS MONTERO MESTRE

Environmental Economist

✉ [jl.montero@uniandes.edu.co](mailto:jl.montero@uniandes.edu.co) 💻 [jorge-montero.github.io](https://jorge-montero.github.io)

## 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*

*Committee: Jorge Maldonado, 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*

Impacts of dams on freshwater fish diversity in amazon. With *Ben Chipperfield*

Fishery bans and local development

## Research Experience

---

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

---

<b>1st LAERE Annual Meeting</b> <i>Assessing Compliance and Effectiveness in Marine Protected Areas with Satellite Imagery and AIS Data</i>	<b>2025</b> <i>Bogotá, Colombia</i>
<b>20th IEA World Congress</b> <i>Marine conservation efforts and their effects on industrial fishing activity</i>	<b>2023</b> <i>Medellin, Colombia</i>
<b>17th EfD annual meeting</b> <i>Unauthorized Fishing Activity during the COVID-19 Pandemic</i>	<b>2023</b> <i>Acra, Ghana</i>
<b>16th EfD annual meeting</b> <i>Marine conservation efforts and their effects on industrial fishing activity</i>	<b>2022</b> <i>Kampala, Uganda</i>
<b>8th NENRE EfD-Chile annual meeting</b> <i>Marine conservation efforts and their effects on industrial fishing activity</i>	<b>2022</b> <i>Parral, Chile</i>
<b>National Colloquium of Doctoral Students in Economics</b> <i>Marine conservation efforts and their effects on industrial fishing activity</i>	<b>2022</b> <i>Cali, Colombia</i>

## Professional Services

---

### Reviewer

Journal of Behavioral and Experimental Economics

### Selection committee

SDG Nexus Network PhD Scholarship - JLU, Giessen, Germany

## Grants

---

### Wageningen University & Research

**2024**

*WIMEK Research fellowship (5.450 €)*

*Wageningen, Netherland*

## Skills/ Languages

---

### Programming skills

Stata, R, Python and Bigquery

### GIS skills

ArcGis, QGis

### Languages

English and Spanish