



---

## Geovana Carreño Rocabado, PhD (Geovana)

**Degrees:** PhD, MSc, BSc

**Nationality:** Bolivian

**Address:** Wageningen, The Netherlands

**Email:** [gcr@carreno-rocabado.com](mailto:gcr@carreno-rocabado.com) /  
[g.carrenorocabado@gmail.com](mailto:g.carrenorocabado@gmail.com)

**Website:** [www.carreno-rocabado.com](http://www.carreno-rocabado.com)

**Languages:** Spanish (native), English  
(fluent), Portuguese (good reading),  
Dutch (basic)

**ORCID:** 0000-0003-1722-6471

**Website:** [www.carreno-rocabado.com](http://www.carreno-rocabado.com)



H-index: 12 (1,546 citations, Google  
Scholar)

---

### Profile

Researcher and consultant at the intersection of **tropical forest ecology, agroecology, and environmental education**, with 20+ years' experience in **sustainability transitions**. Expertise in **co-creation of digital tools, data platforms, participatory strategies, and impact monitoring** for sustainable farming systems and forest conservation. Skilled at **bridging science and practice** to ensure knowledge supports communities, policies, and adoption of innovations. Founder and leader of **Geo-Lab** is an integral and autonomous laboratory for research, development, and dissemination based on nature.

---

### Education

#### **PhD in Production Ecology and Resource Conservation**

*Wageningen University, The Netherlands | 2009–2013*

*Thesis: Land-use intensification, ecosystem processes, and functional biodiversity*

#### **MSc in Ecology and Natural Resources Management**

*Instituto de Ecología, INECOL, A.C., Mexico | 2004–2006*

*Thesis: Coffee plantation and ferns biodiversity*

#### **BSc in Agricultural Engineering**

*Autonomous University Gabriel René Moreno, Bolivia | 1992–2000*

*Thesis: Age estimation and population demography of tree ferns in Amboró National Park*

---

### SELECTED PROFESSIONAL EXPERIENCE

#### **Leader & Researcher**

##### **Geo-Lab | 2025–present**

- Founded and lead an initiative dedicated to the study and promotion of tropical forest ecology, agroecology, and environmental education.

- Current projects include the *Long-Term Monitoring of Forest Recovery from Fire-REBOS*, *BiodiversiCuentos*.

### **Senior Consultant (Agroecology)**

*GIZ – Bolivia | 2024–2025*

- *Multi-scale analysis of agroecology's role in climate change adaptation/mitigation (ProResiliente Project).*
- *Collecting scientific evidence at regional and local scale of agroecology benefits for climate change adaptation.*
- *Develop of institutional map and research agenda to accompany agroecology transitions.*

### **Senior Consultant (Environmental Education)**

*Civil Association Armonía | 2024*

- *Designed environmental education strategy for the Laney Rickman Reserve.*
- *Focused on the conservation of the Blue-throated Macaw (endangered species).*

### **Senior Consultant (Agroforestry & Agroecology)**

*CIFOR-ICRAF | 2021–2023*

- *Managed and validated ArbolSAF tree data platform and interactive online tool (Peru & Bolivia).*
- *Coordinated stakeholders for data collection and validation.*

### **Short-Term Consultant (Sustainable Food System Analysis)**

*World Bank | 2021–2022*

- *Developed participatory strategies for sustainable production models in the Chiquitania region (Bolivia).*
- *Focused on financial incentives and community capacity-building.*

### **Associate Researcher & Focal Point for Bolivia (Agroforestry & Agroecology)**

*CIFOR-ICRAF | 2017–2021*

- *Coordinated Bolivian research projects and stakeholder engagement.*
- *Supported regional initiatives on agroforestry and sustainable land use.*

### **Associate Researcher in the project of “Transnational Flow of Agricultural Knowledge – TFOAK”**

*University of Winnipeg | 2021–2023*

- *I lead research in oral history of agriculture in four sites of Bolivia where the Mennonite Central Committee worked from the 70's until the present. PI researcher Dr. Royden Loewen.*

---

**Postdoctoral Researcher (Agroforestry & Agroecology)**

ICRAF & CATIE – Costa Rica | 2014–2017

- Led evaluations of sustainable farming systems in Nicaragua into the Nicaragua-Honduras Sentinel Landscape.
- Assessed contributions of trees in family farming systems.

**Founder & Coordinator (Environmental Education)**

NGO REMA-Bolivia | 2002–2004

- Created a youth-led NGO in environmental education.
- It reached 500+ teachers and 5,000 students with training and materials.

(Additional consultancy and research roles with Instituto Boliviano de Investigación Forestal, Fundación Natura Bolivia, Bolivian Catholic University, and Noel Kempff Mercado Museum available upon request.)

---

**Publications****Consulting reports:**

- GIZ-Bolivia (2025). *Análisis multi-escala de las contribuciones y beneficios de la agroecología para la adaptación y mitigación al cambio climático basada en evidencia, en Bolivia* [Multi-scale analysis of agroecology's contributions and benefits for climate change adaptation and mitigation in Bolivia, based on evidence]. Prepared by G. Carreño-Rocabado. Consultancy report **ProResiliente** project (56 pages).
- GIZ-Bolivia (2023). *Memorias del encuentro Seguridad productiva en la región norte de la Chiquitania: consolidando la ganadería regenerativa y sostenible*. Prepared by G. Carreño-Rocabado. Consultancy report **Paisajes Resilientes** project (31 pages).
- ARMONIA (2024). *Estrategia y Plan de Educación Ambiental y Desarrollo Sostenible EdADeS. Reserva Laney Rickman 2025-2029*. Prepared by G. Carreño-Rocabado. Consultancy report (53 pages).
- World Bank (2023). *Incentivos financieros para promover la agroecología y desarrollo de capacidades comunitarias para el manejo sostenible de la tierra para la región de la Chiquitania*. Prepared by G. Carreño-Rocabado. Consultancy report. (146 pages).

---

## Scientific papers:

- Hartung, M., Carreño-Rocabado, G., Peña-Claros, M., & van der Sande, M. T. (2021). *Tropical dry forest resilience to fire depends on fire frequency and climate. Frontiers in Forests and Global Change*, 4.
- Carreño-Rocabado, G., Peña-Claros, M., Bongers, F., Díaz, S., Quétier, F., & Poorter, L. (2016). *Response of community functional properties to land-use intensification in tropical ecosystems. Ecological Applications*, 26.
- Finegan, B., Peña-Claros, M., Carreño-Rocabado, G., et al. (2015). *Does functional trait diversity predict biomass and productivity of tropical forests? Journal of Ecology*, 103.
- Carreño-Rocabado, G. (2013). *Linking land-use intensification, plant communities and ecosystem processes in lowland Bolivia*. PhD Thesis, Wageningen University.
- Carreño-Rocabado, G., Peña-Claros, M., Bongers, F., et al. (2012). *Effects of disturbance intensity on species and functional diversity in a tropical forest. Journal of Ecology*, 100.

**Books/Chapters:** Contributions to *Agroforestry for Sustainable Agriculture* (2019), *Integrating Landscapes* (Springer, 2018), and *Place-based Conservation in Latin America* (2007).

---

## Digital Tools & Databases

- **ArbolSAF** – Tree species database & interactive online tool (CIFOR-ICRAF).
  - **Trees on Farms** (Nicaragua–Honduras Sentinel Landscape) – Database repository (World Agroforestry).
  - **Websites:** Geovana Lab ([carreno-rocabado.com](http://carreno-rocabado.com)), Mi Santa Cruz Mi Naturaleza ([misantacruzminaturaleza.org](http://misantacruzminaturaleza.org)).
- 

## Teaching & Supervision

- Developed and taught online course: *Agroecología para transitar hacia sistemas productivos sostenibles* (Rainbow Education Platform, 2023).
  - Taught 20+ bachelor's and master's courses on forest ecology, agroecology, and environmental education.
  - Supervised: 1 PhD (co-supervisor), 8 MSc, and 3 BSc students.
- 

## Outreach & Service

- Organizer and speaker: *Conversatorio sobre Agroecología y Sostenibilidad en Tierras Bajas*, Feria Agropecuaria, Santa Cruz (2025).
- Organizer of 3 symposia; 30+ conference presentations (ecology, food systems, environmental education).
- Reviewer for: *Journal of Applied Ecology*, *Ecological Applications*, *Functional Ecology*, *Ecological Research*, among others.