

# GABRIEL V. GAONA

Freelance. Free Software, Open Science and Open Data activist. Amateur musician and Mountains lover

## Currently PhD student

-Institute of Landscape Ecology and Resource Management, Justus-Liebig-Universität Gießen

-Departamento de recursos hídricos, Universidad de Cuenca

## EDUCATION

- 2007 • **National University of Loja**  
B.S. in Environment Managing and Conservation 📍 Loja, Ecuador  
*Thesis: Remote sensing of the leaf area index (LAI) and validation with direct measurements in the San Francisco Reserve (RSF)*
- 2017 • **Salzburg Universität**  
MSc. Systems & Science of Geographic information 📍 Salzburg, Austria  
*Thesis: Zoning based onbioclimatic design strategies for residential dwellings in Continental Ecuador*

## RESEARCH EXPERIENCE

- 2008 | 2009 • **Graduate Research and Teaching Assistant**  
School of environmental engineering, National University of Loja 📍 Loja, Ecuador
  - Performing field practices and experiments for the school of environmental science.
  - Teaching asistance of the Laboratory of Environmental Science.
- 2009 | 2010 • **College / university teaching professional**  
School of environmental engineering, National University of Loja 📍 Loja, Ecuador  
Technician and teaching asistant for the school of environmental science.
- 2003 | 2013 • **Science technician**  
San Francisco Scientific Station: Project PREDICT 📍 Loja, Ecuador  
Field data collector, database manager and maintenance of field sensors and stations of the Project "Precipitation Dynamics and Chemical Properties of a Tropical Mountain Forest in Southern Ecuador" (PREDICT).
- 2013 | 2015 • **Technical analyst**  
National Institute Energetic Efficiency and Renewable Energy 📍 Quito, Ecuador  
Technical analyst in GIS y Meteorology for the project "Estudio para el diseño de edificaciones de bajo consumo en Yachay"



## CONTACT INFO

- ✉ [gavg712@gmail.com](mailto:gavg712@gmail.com)
- 🐙 [github.com/gavg712](https://github.com/gavg712)
- 🏠 [gitlab.com/gavg712](https://gitlab.com/gavg712)
- 📍 [@gavg712](https://www.instagram.com/gavg712)

For more information, please contact me via email.

## SKILLS

Programming for Spatial analysis, Spatial statistics, .

Highly skilled in R, Python, Bash, GIS

This resume was made with the R package [pagedown](https://github.com/johnfox/pagedown).

Last updated on 2020-04-03.

2015  
|  
2018

- **Amazon Observatory Researcher**  
Regional Amazonic University IKIAM 📍 Tena, Ecuador  
Researcher at Amazon Observatory for Spatial Analysis and Meteorology

## PROFESSIONAL EXPERIENCE

2010  
|  
2011

- **Environmental Technician**  
EKOPRAXIS Cia. Ltda. 📍 Guayaquil, Ecuador  
• Field data collector and researcher for studies of environmental impact
- **Engineering science technician**  
Private Technical University of Loja Loja, Ecuador 📍 2011 - 2012  
• Generation of thematic cartography and geodatabase manager at the project "Generación de geoinformación para la gestión del territorio a nivel nacional" for 10 cantons of provinces of Loja and El Oro

## TEACHING EXPERIENCE

2008

- **Introduction to Hydrology.**  
National University of Loja. 📍 Loja, Ecuador

2015  
|  
2017

- **Introduction to Geographic Information Systems**  
Regional Amazonic University Ikiam 📍 Tena, Ecuador

## SELECTED PUBLICATIONS AND POSTERS

2020

- **Article: Evaluating Assumptions of Scales for Subjective Assessment of Thermal Environments – Do Laypersons Perceive Them the Way, We Researchers Believe?.**  
*Energy and Buildings.* 211. [10.1016/j.enbuild.2020.109761](https://doi.org/10.1016/j.enbuild.2020.109761) 📍-  
Marcel Schweiker, Maíra André, Farah Al-Atrash, Hanan Al-Khatri, Rea Risky Alprianti, et al.

2019

- **Article: The Scales Project, a Cross-National Dataset on the Interpretation of Thermal Perception Scales.**  
*Scientific Data.* 6. [10.1038/s41597-019-0272-6](https://doi.org/10.1038/s41597-019-0272-6) 📍-  
Marcel Schweiker, Amar Abdul-Zahra, Maíra André, Farah Al-Atrash, Hanan Al-Khatri, et al.






2018

- **Article: Deprivation, Healthcare Accessibility and Satisfaction: Geographical Context and Scale Implications.**  
*Applied Spatial Analysis and Policy.* 11. [10.1007/s12061-017-9221-y](https://doi.org/10.1007/s12061-017-9221-y) 📍-  
Pablo Cabrera-Barona, Thomas Blaschke & Gabriel Gaona

2017

- **Article: Wind Farms Suitability Location Using Geographical Information System (GIS), Based on Multi-Criteria Decision Making (MCDM) Methods: The Case of Continental Ecuador.**  
*Renewable Energy.* 109. [10.1016/j.renene.2017.03.041](https://doi.org/10.1016/j.renene.2017.03.041) 📍-

Geovanna Villacreses, Gabriel Gaona, Javier Martínez-Gómez & Diego Juan Jijón

- 2017 ● **Article: The Diversity, Distribution and Conservation Status of the Tree-Cavity-Nesting Birds of the World.**  
*Diversity and Distributions*. 23. [10.1111/ddi.12601](https://doi.org/10.1111/ddi.12601)  -  
Yntze van der Hoek, Gabriel V. Gaona & Kathy Martin
- 2016 ● **Article: Evaluating Thermal Comfort in a Naturally Conditioned Office in a Temperate Climate Zone.**  
*Buildings*. 6. [10.3390/buildings6030027](https://doi.org/10.3390/buildings6030027)  -  
Andrés Gallardo, Massimo Palme, Andrea Lobato-Cordero, R. David Beltrán & Gabriel Gaona
- 2015 ● **InProceedings: Estimación de Longitud de Rugosidad Aerodinámica a Partir de Imágenes MODIS y LandSat..**  
*XV Ecuentro de Geógrafos de América Latina*. .  -  
Gabriel V. Gaona, Luis Balcázar & Ibeth Jaime
- 2014 ● **InProceedings: Implementation of Simple GIS Methodology and Bioclimatic Strategies to Improve the Quality of Social Housing in the Andean Region of Ecuador.**  
*World Sustainable Buildings. Barcelona*. .  -  
I Miño-Rodríguez, G Gaona, A Lobato & J Labus
- 2013 ● **Article: Homogeneidad y Variabilidad Espacial de Series Meteorológicas Del Área Del Proyecto Ciudad Del Conocimiento - Yachay.**  
*Avances en Ciencias e Ingenierías*. 5. [10.18272/aci.v5i2.138](https://doi.org/10.18272/aci.v5i2.138)  -  
Gabriel Gaona, Emmanuelle Quentin & Jerko Labus