

Maria del Rosario Uribe

rosariouribed@gmail.com | r.uribe@climatefocus.com

+57 3225168951 | +1 7652377438

Bogotá, Colombia

SUMMARY

- Extensive experience in the design and implementation of forest, land cover and climate analysis projects using a wide range of quantitative techniques
- 10+ years of experience with different programming languages and geographic information system (GIS) software
- Working experience with VCS methodologies in the AFOLU sector
- Track record of written and oral communication for a broad audience
- Strong ability to collaborate and work in diverse and multi-cultural teams

EDUCATION

PhD in Ecological Sciences and Engineering, 2020

Department of Forestry and Natural Resources, Purdue University

West Lafayette, IN, USA

Master of Science in Computer and Information Technology, 2014

Department of Computer and Information Technology, Purdue University

West Lafayette, IN, USA

Bachelor's degree in Ecology, 2012

Facultad de Estudios Ambientales y Rurales, Pontificia Universidad Javeriana

Bogotá, Colombia

PROFESSIONAL EXPERIENCE

Land use consultant, Sep 2023 –

Climate Focus

Bogotá, Colombia

Postdoctoral Associate, Dec 2022 – Aug 2023

Yale School of the Environment, Yale University

New Haven, CT, USA

Postdoctoral Scholar, Sep 2020 – Nov 2022

Department of Earth System Science, University of California Irvine

Irvine, CA, USA

Graduate Research, Teaching and Administrative Assistant, Aug 2013 – Aug 2020

Purdue University

West Lafayette, IN, USA

Co-Instructor for “Computational modeling” summer course, June 2016
Universidad EAFIT
Medellín, Colombia

Member of Research Group, Oct 2012 - Jan 2013
Fundación El Cinco
Medellín, Colombia

Environmental Management Advisor, March- Aug 2012
Contaduría General de la Nación
Bogotá, Colombia

Field Research Intern, March- July 2011
Centro Agronómico Tropical de Investigación y Enseñanza (CATIE)
Turrialba, Costa Rica

ADDITIONAL TRAINING

International High Performance Computing Summer School, July 2019
Kobe, Japan

New Advances in Land Carbon Cycle Modeling, May 2018
Flagstaff, AZ, USA

4th ICOS Summer School "Challenges in measurements of greenhouse gases and their interpretation", May 2017
Finland

SKILLS

- Data Science and Analysis
- Statistical Modelling
- Carbon Accounting
- Scientific Writing, Review, and Synthesis
- Field Ecology
- Computational: R (advanced), Python (basic), Google Earth Engine (basic), GitHub (basic), QGIS (advanced), MS Office Suite (advanced)
- Languages: Spanish (native speaker), English (fluent), French (basic proficiency)
- Project Management

SELECTED PUBLICATIONS

Uribe, M. R., ..., Brando, P. M. Threshold responses of primary and degraded Amazonian forests to droughts: Implications for carbon and water fluxes. *In preparation*.

Uribe, M.R. and Dukes, J. S. Reductions in Amazon Basin Evapotranspiration after Deforestation: Estimates from Remote Sensing and Models. *In preparation*.

- Ribeiro A., ... **Uribe, M. R.**.... The time since land-use transition drives changes in fire activity in the Amazon-Cerrado region. *Communications Earth & Environment*, 5(1), 96.
- Uribe, M. R.**, Coe, M. T., Almeida Castanho, A.D., Macedo, M. N., Brando, P. M. Net Loss of Biomass Predicted for Tropical Biomes in a Changing Climate. *Nature Climate Change* (2023): 1-8.
- Uribe, M. R.**, Sierra, C. A., and Dukes, J. S. Seasonality of Tropical Photosynthesis: A Pantropical Map of Correlations with Precipitation and Radiation and Comparison to Model Outputs. *Journal of Geophysical Research: Biogeosciences* (2021): 126(11), e2020JG006123.
- Salazar, A., ..., **Uribe, M. R.**.... Undermining Colombia's peace and environment. *Science* (2021): 373(6552), 289-290.
- Uribe, M.R.** and Dukes, J. S. Land cover change alters seasonal photosynthetic activity and transpiration of Amazon Forest and Cerrado. *Environmental Research Letters* (2021): 16(5), 054013.

SELECTED ORAL AND POSTER PRESENTATIONS

- Uribe, M.R.**, and Dukes, J. S. Impact of Amazon Deforestation on Evapotranspiration: A Remote Sensing Analysis from 2000-2018. American Geophysical Union Fall Meeting. December 11, 2024.
- Uribe, M.R.**, Almeida Castanho, A.D., Brando, P.M., and Coe, M.T. Losses of tropical biomass and carbon stocks with changes in climate. American Geophysical Union Fall Meeting. December 16, 2023.
- Uribe, M.R.**, Maracahipes-Santos, L., Silvério, D.V., Trumbore, S., Brando, P.M. Extreme droughts, fire and carbon uptake in tropical transitional forests of the Amazon. 58th Meeting of the Association for Tropical Biology and Conservation (ATBC). July 12th, 2022.
- Uribe, M.R.**, and Dukes, J. S. Land Cover Change Alters the Seasonality of Photosynthetic Activity and Transpiration in Tropical Forests of the Amazon. American Geophysical Union Fall Meeting. December 15, 2019.
- Uribe, M.R.**, Sierra, C. A., and Dukes, J. S. "What drives the rhythm of tropical ecosystems? Carbon uptake seasonality in ecosystem models". Ecological Society of America Annual Meeting. New Orleans, August 10, 2018.

AWARDS

Bilsland Dissertation Fellowship, Purdue University	2020
Blosser Environmental Travel Grant, Purdue University	2018
PCCRC Travel Grant, Purdue University	2016, 2018
FNR Poster Session (2nd place), Purdue University	2018
Colciencias Doctoral Fellowship, Colciencias	2015
Summa Cum Laude for the best GPA in Ecology Major, Pontificia Universidad Javeriana	2012