



São Paulo School of Advanced Science on Scenarios and Modelling on Biodiversity and Ecosystem Services to Support Human Well-Being

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I was born in the Andean lands of southwest Colombia, in Pasto, Nariño. Then, I moved to Mexico and lived there 8 years. I returned to Colombia the last year. I obtained an MSc (2014) and PhD (2018) in Biological Sciences, both from the Universidad Nacional Autónoma de México (UNAM). My research interest involves understanding the evolutionary and anthropic processes that have shaped or modified biogeographic patterns such as areas of endemism in the Neotropical region. I am also interested in Evolutionary Biogeography, Ecology and Systematic Conservation Planning, with special focus on mammals. My goal is integrating phylogenetic and ecological information to explain relationships among the endemic species using phylogenetic metrics, spatial analysis tools, and ecological niche modeling. The integration of the information from my research with geological, climatic, and phylogeographic information can help to explain the spatial-temporal persistence of Neotropical biodiversity and detect drivers of change. Currently, I am a Researcher in the Evaluation and Monitoring Program at the Humboldt Institute, and I am leading the Analysis and Modeling team. One of our key products to provide information about the biodiversity of Colombia is BioModelos: Better models with support from experts (<http://biomodelos.humboldt.org.co/en>). It is a Web App to propose and release distribution maps. Our goals aim at characterizing and modeling ecological and distributional patterns, and tendencies of the Colombian biodiversity, as well as providing scientific reports useful in decision making and conservation.