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Biogeographic Patterns of South American Anurans

- Although biogeographical patterns of amphibians have been explored in the literature, major focus is given to global-scale studies or to specific biogeographic approaches at a continental-scale
- In this book we revisit the macroecological patterns of amphibians already explored in the literature and add new approaches to understand amphibian distribution in South America.
- We will analyse the spatial patterns of phylogenetic (degree of relatedness of species) and functional diversity
- We will also propose biologically important areas for amphibian conservation in South America considering different biological metrics

This book analyzes different facets of anuran amphibian distribution in South America. We integrate alternative biological metrics employing cutting-edge methods to understand the dynamic processes underlying species distribution patterns. By using the modern biogeographic toolbox, we explore how richness gradients, phylogenetic diversity, functional diversity, and range size/endemism distribution of amphibians vary along the continent. Moreover, we present a robust proposal for priority areas for conservation of anurans in South America that maximizes representativeness of distinct biodiversity facets.

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