

Contrasting biogeographical patterns of threatened vertebrates on islands emerge from disparities between expert-derived maps and Global Biodiversity Information Facility data

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Journal of Biogeography

RESEARCH ARTICLE

Contrasting biogeographical patterns of threatened vertebrates on islands emerge from disparities between expert-derived maps and Global Biodiversity Information Facility data

Javier Nori, David A. Prieto-Torres, Fabricio Villalobos, Rafael Loyola, Octavio Rojas-Soto, Juan L. Parra, Andrés Lira-Noriega, H. Mauricio Ortega-Andrade, Adrián Morjéau, ... See all authors

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The two most important sources of global information on species distributions show dramatic differences in the estimation of global richness patterns of threatened vertebrates in marine islands.
Handling Editor: Evan P. Economo

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Abstract

Aim

The most popular sources of information on species distributions are the expert-derived maps and georeferenced occurrences, mainly those compiled by the Global Biodiversity Information Facility (GBIF). These sources have been constantly used with biogeographical and conservation goals. However, their degree of accuracy in representing geographical biodiversity patterns remains poorly understood. Here, we compared both sources of information on species distributions to estimate global patterns of richness and species composition of threatened vertebrates on marine islands.

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