

# Prioritizing landscapes for conservation under climate change

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## Introduction

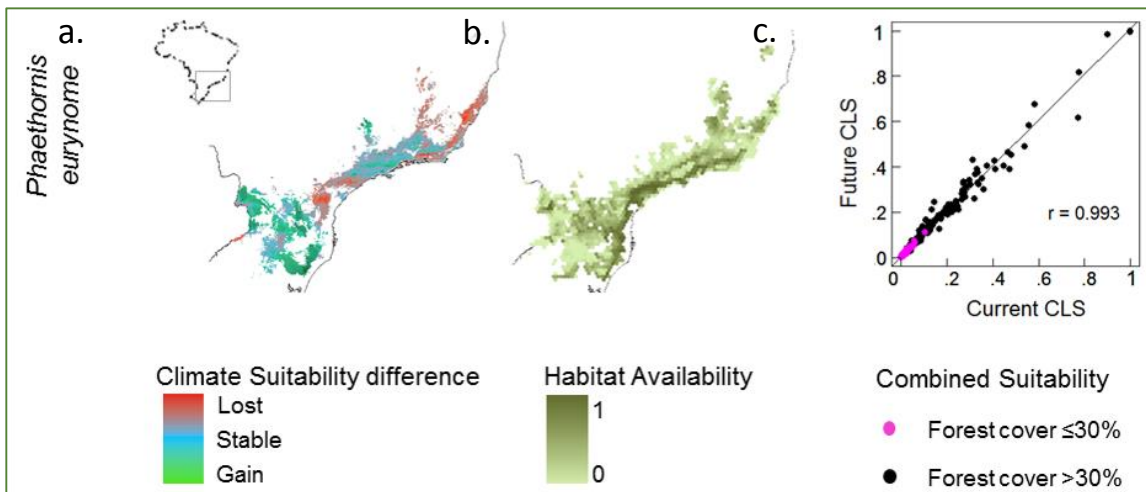
Although studies have addressed the combined effect of climatic and land cover changes, studies on how the climate change affects the prioritization of areas for conservation are still missing. We evaluated how climate change may affect the prioritization of landscapes for the conservation of six Atlantic Forest birds.

## Material and Methods

Combining Ecological Niche Models and Probability of Connectivity Index, we measured the correlation between current and future landscape suitability.

## Results and Discussion

There was a high correlation between current and future landscape suitability, which was strongly driven by landscape structure (Fig. 1).



**Fig. 1;** a. The area of lost, gained and stable of the climate suitability from continuum projection for each species. b. Habitat suitability. c. Correlation of Combined Landscape Suitability - CLS.

In a highly fragmented biome such as the Atlantic Forest, future climate suitability becomes a luxury, because habitat amount is the main determinant of landscape suitability.

