

Conflicting climate-linked pressures on tropical pelagic seabirds

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Running title: 45 characters max.

Summary

(Less than 350 words)

1. Broad conceptual question
2. Study system and specific question
3. Methods + Results
4. Conclusions
5. Broader conceptual advance

Key words: Max 8 in alphabetical order

Introduction

Methods

Results

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Discussion

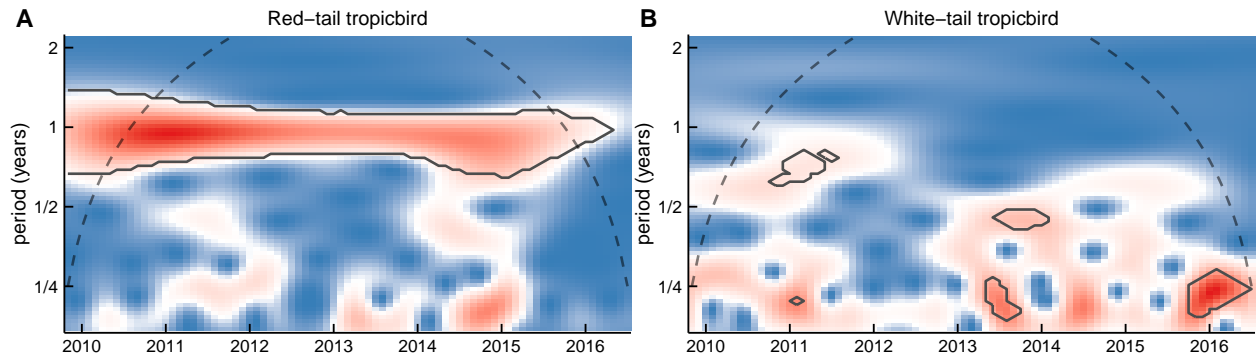


Figure 1: Wavelet decomposition of the number of new nests established by the focal species. The colour scale indicate how the power of a particular period (y axis) changes during the study period (x axis). Red and blue indicate a higher and low power, respectively, while white corresponds to the mean power in each time series. Dashed lines indicate the cone of influence, above which results should not be interpreted. The black contours indicate the regions in which periodicity was significantly different from the random expectation at the 0.05 level.

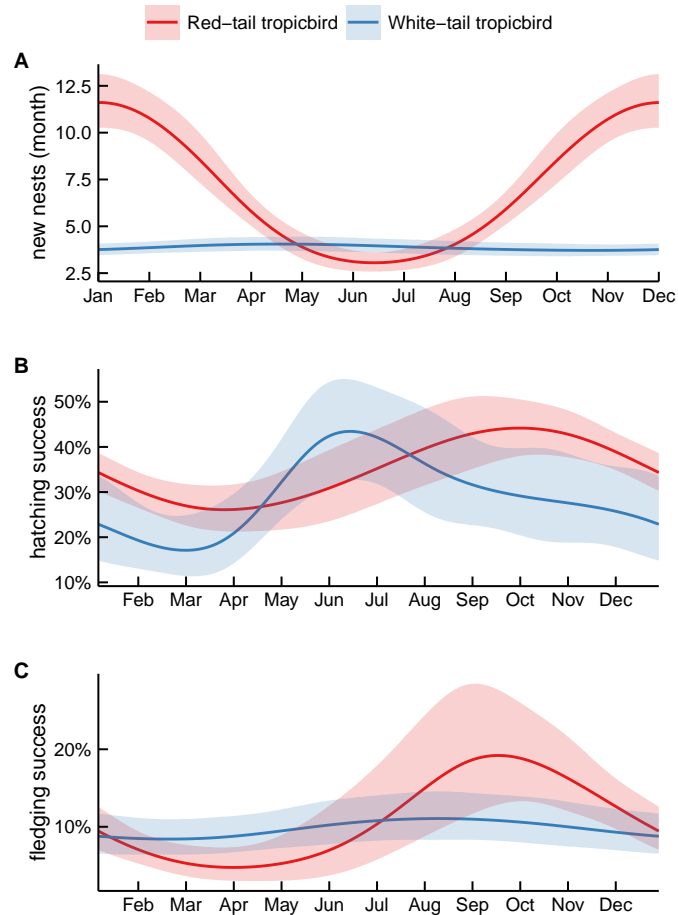


Figure 2: Seasonal patterns of nest establishment (A), hatching (B), and fledging (C) success for the Red-tail tropicbird (*Phaeton rubricauda*; red) and the White-tail tropicbird (*Phaeton lepturus*; blue). Dates correspond to the time in which the nest was first encountered. Lines and shaded areas correspond to the estimate and the standard error of the GAMs additive terms.

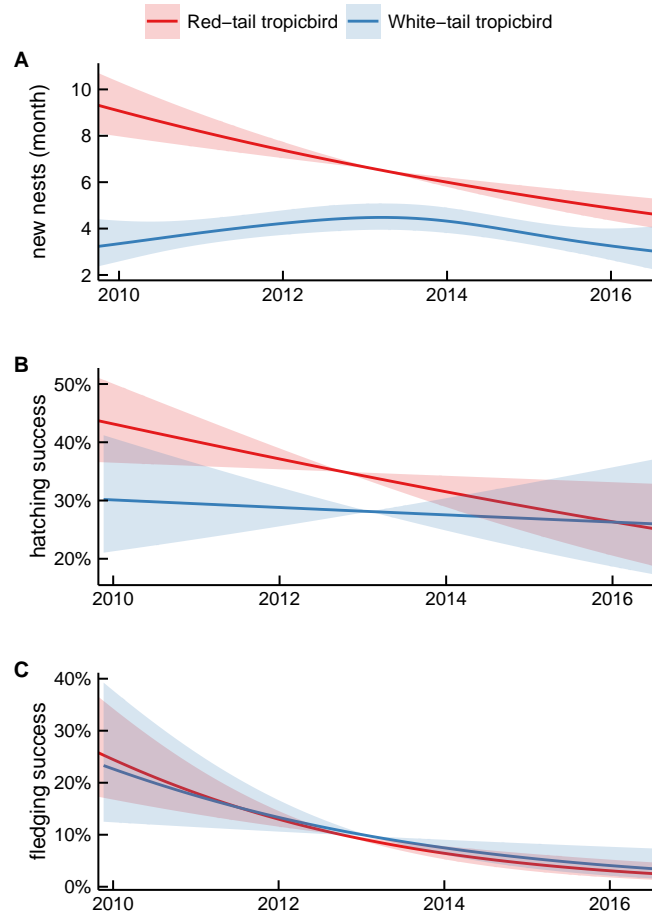


Figure 3: Temporal trends of nest establishment (A), hatching (B), and fledging (C) success for the Red-tail tropicbird (*P. rubricauda*; red) and the White-tail tropicbird (*P. lepturus*; blue). Lines and shaded areas correspond to the estimate and the standard error of the GAMs additive terms.

Table 1: R square values of the generalised additive models depicted in Figure 2 and 3 and p values of the smooth terms: season (time of the year) and date

species	model	R^2	p_{date}	p_{season}
Red-tail tropicbird	new nests	0.41	0.000	0.000
Red-tail tropicbird	hatching success	0.03	0.013	0.000
Red-tail tropicbird	fledging success	0.08	0.000	0.000
White-tail tropicbird	new nests	0.03	0.090	0.151
White-tail tropicbird	hatching success	0.03	0.679	0.010
White-tail tropicbird	fledging success	0.03	0.006	0.141