June 3, 2020

Dear Dr. Araujo,

Attached please find a revision of manuscript ECOG-05176 for consideration for inclusion as an original research paper in *Ecography*. The revised manuscript is entitled “*Comparing metrics of species distribution change across spatial scales with spatiotemporal models*.” We have responded to all reviewer comments with improvements to the manuscript. Particularly substantial changes include additional simulations demonstrating that the model is robust to variation in all parameters and that the correct model (the one most consistent with the data-generating process) can be recovered by standard model selection approaches. Furthermore, we revised the text to make it more accessible to a general audience and improved the interpretability of the figures.

This work represents fresh and distinctive research, and has not been submitted for publication in any other form or place. Thank you for considering this manuscript for publication.

Sincerely,



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