NeutralLandscapes.jl: a library for efficient generation of neutral landscapes with temporal change

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Soon to be a paper, maybe. TK authors, MKB,VB,RS,TP
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Introduction
Neutral landscapes are increasingly used in ecological and evolutionary studies over space to provide a null expectation .
As biodiversity science becomes increasingly concerned with temporal change and its consequences its clear there is a gap generating neutral landscapes that change over time. In this ms we present how NeutralLandscapes.jl is orders of magnitudes faster than packages nlmpy (in python) or NLMR (in R) We then present a novel method for generating landscape change with prescribed levels of spatial and temporal autocorrelation, and demonstrate that it works
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Software Overview
Fig 1: Recreation of the figure in nlmpy paper and the source
3
Comparison to nlmpy and NLMR
Fig 2: Benchmark comparison of all of methods in each of the three languages
4
Generating dynamic neutral landscapes
5
Discussion
6
References

Keywords: landscape ecology spatial ecology neutral landscapes simulation

January 1, 2022 **⊚①**