

## MixFishSim: Supplementary Figures

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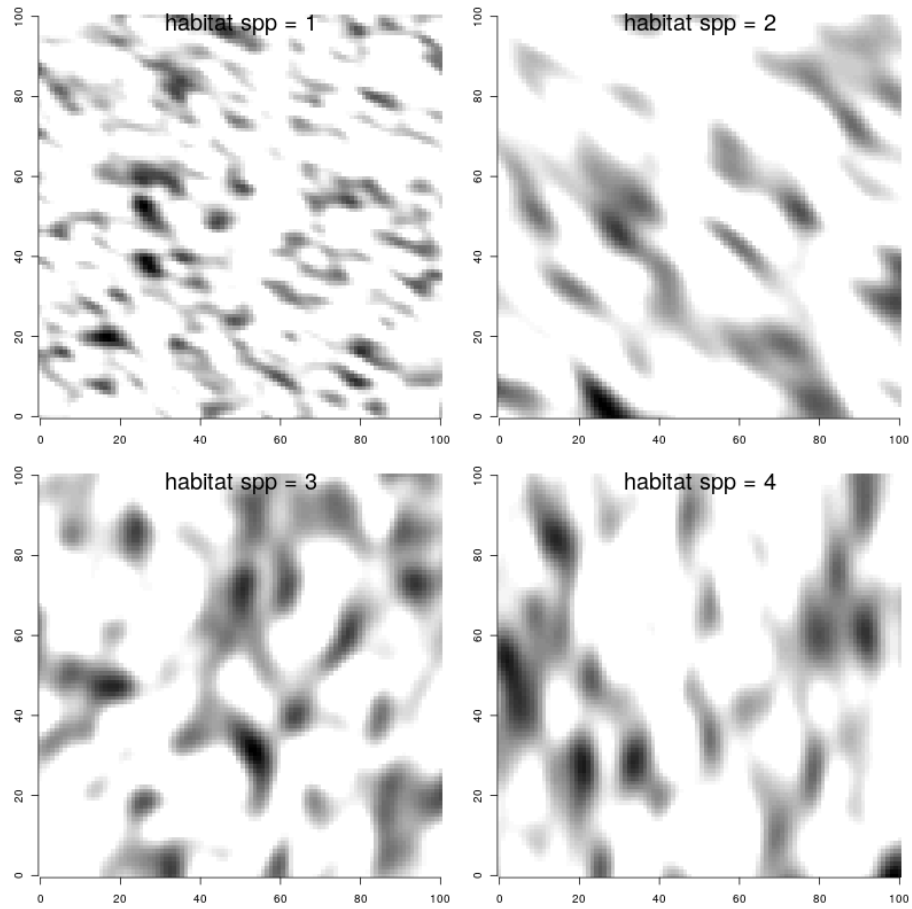


Figure S1: Habitat preference: the distribution of suitable habitat for each population, with the darker colour showing greater suitability.

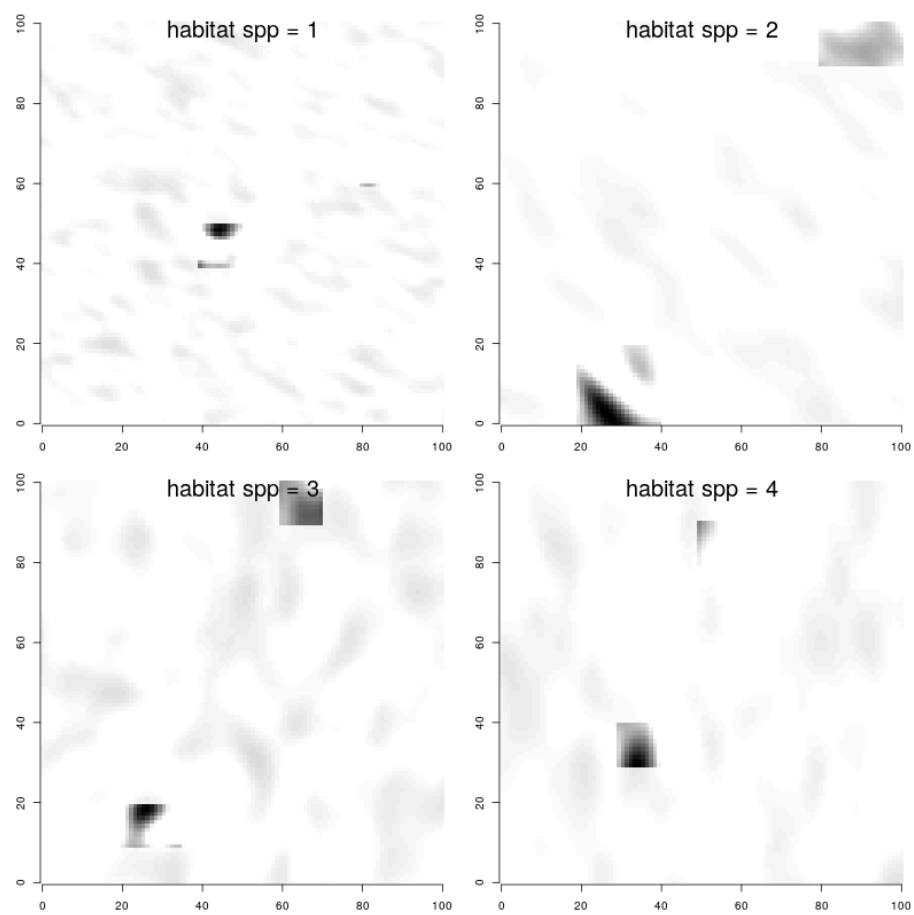


Figure S2: Spawning habitat preference: the habitat suitability during spawning periods for each population.

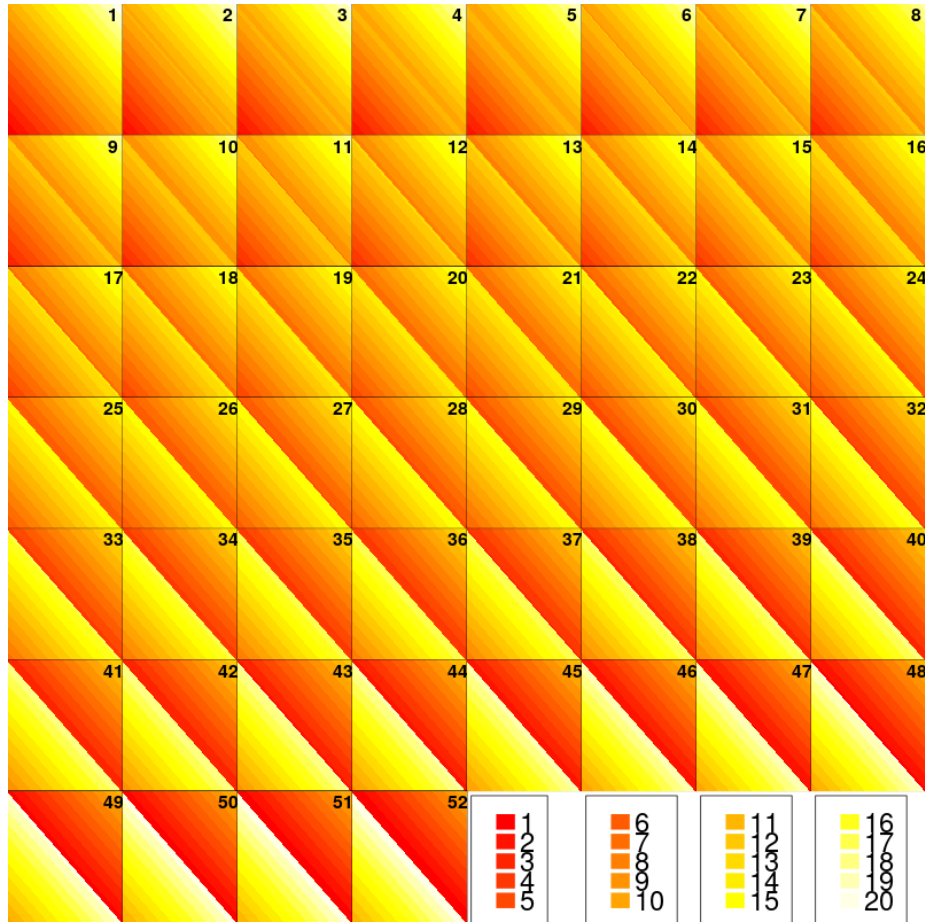


Figure S3: Spatiotemporal temperature gradient: The temperature gradient for each time step (weeks, shown in top right corner of each panel.)

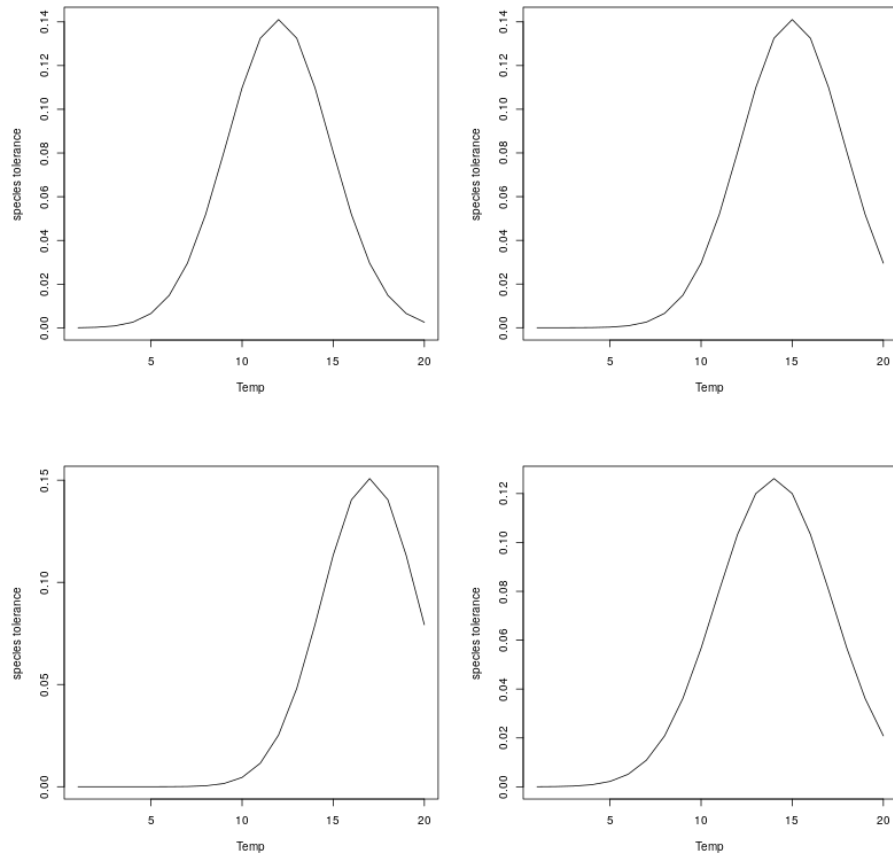


Figure S4: Species thermal tolerances: The tolerance of each population to different temperatures (x-axis) shown as a probability density function.

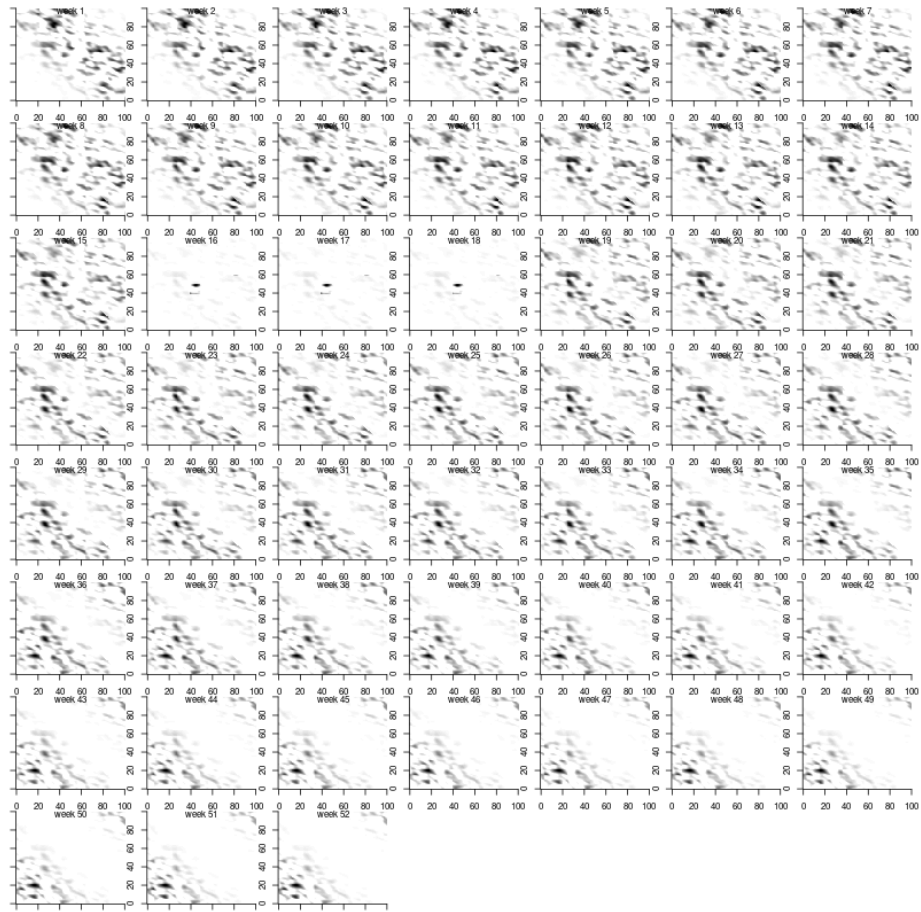


Figure S5: Spatiotemporal habitat suitability - the suitability habitat (for Population 1) for 52 separate weeks.

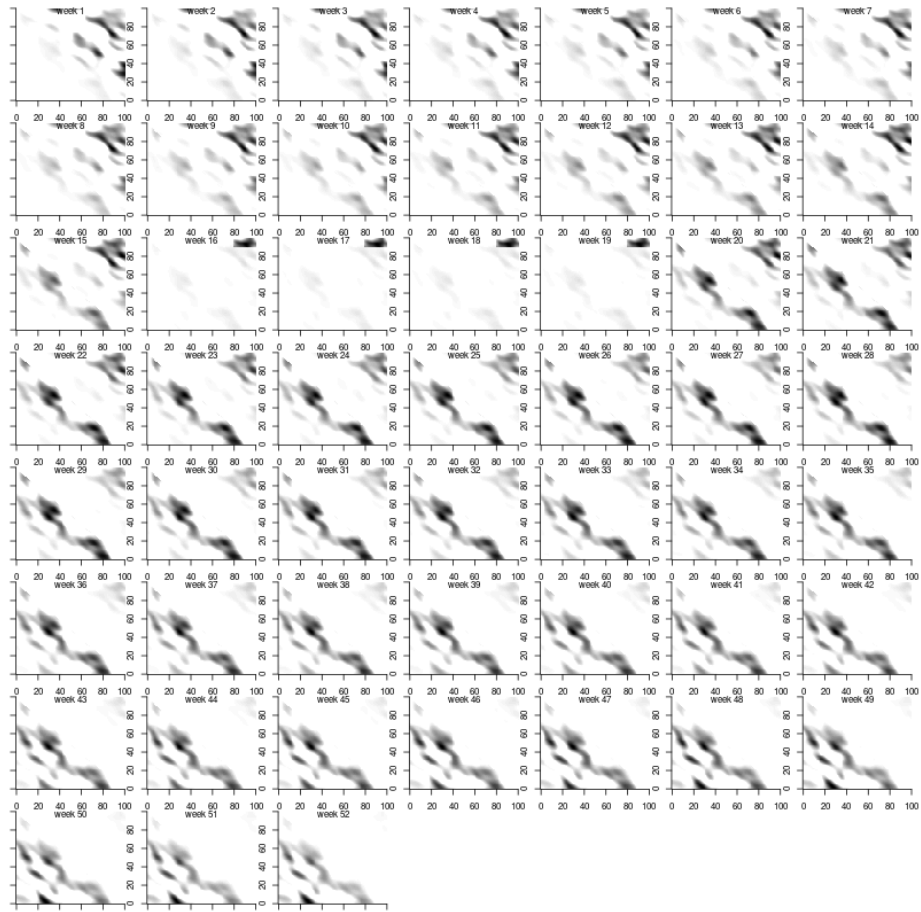


Figure S6: Spatiotemporal habitat suitability - the suitability habitat (for Population 2) for 52 separate weeks.

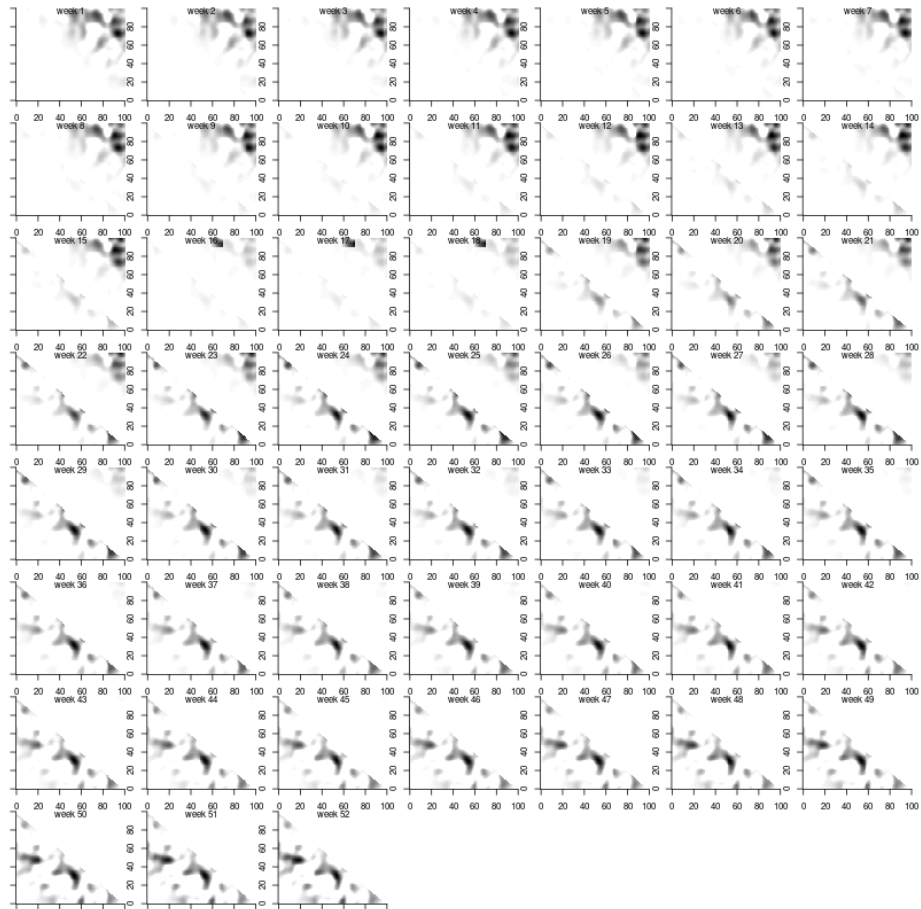


Figure S7: Spatiotemporal habitat suitability - the suitability habitat (for Population 3) for 52 separate weeks

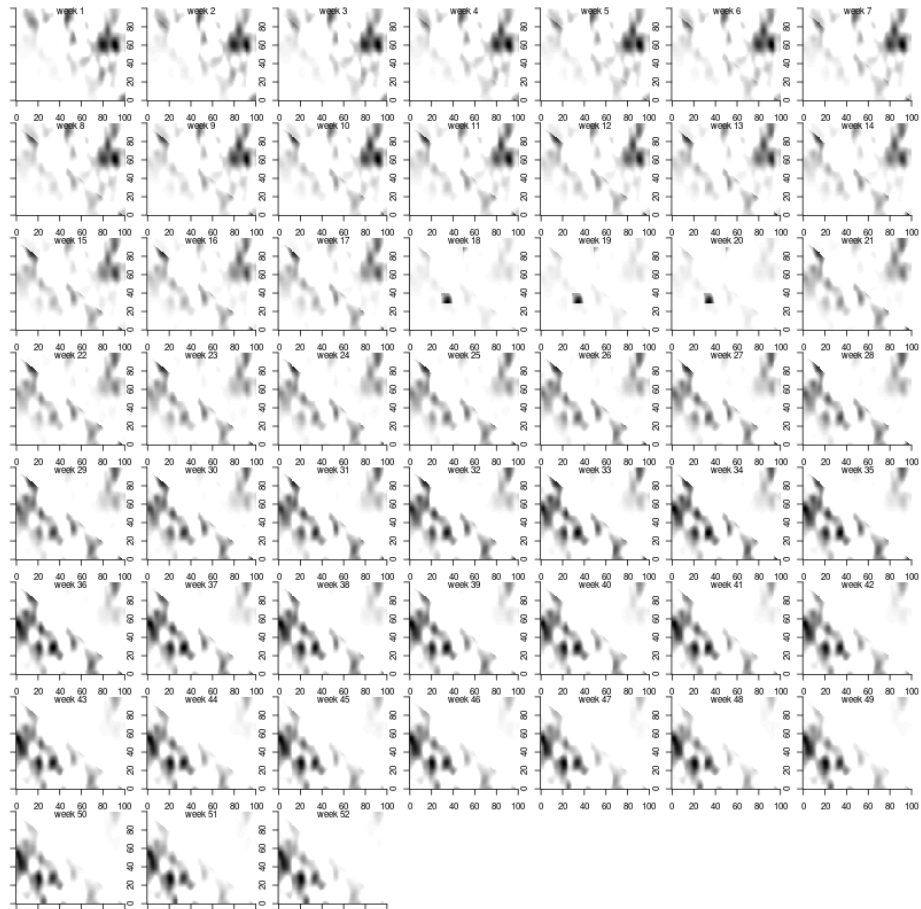


Figure S8: Spatiotemporal habitat suitability - the suitability habitat (for Population 4) for 52 separate weeks



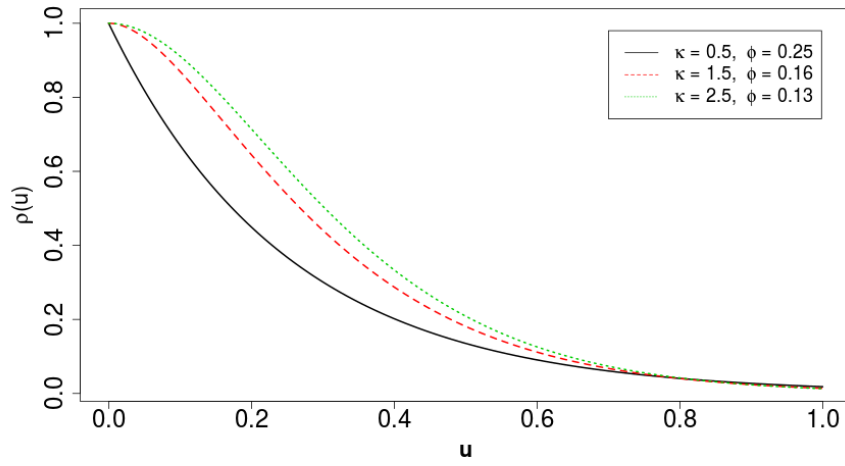


Figure S9: Example of different implementation of the Matern correlation function on auto-correlation distance