

Electronic supplementary material

Supplementary table 1. Results of the fully factorial generalized model using change in population density as the response variable and the treatments for the three different threats as categorical factors. The simulated threats were treated as categorical because of the low number of treatments used in this experiment. Adding more treatments for each threat would have required a larger and logistically more complicated experiment.

	Degrees of freedom	Wald stat.	P<
Intercept	1	2127.570	0.000001
1. Warming	2	593.799	0.000001
2. Harvesting	4	80.114	0.000001
3. Immigration	4	133.208	0.000001
1*2	8	15.410	0.05
1*3	8	22.229	0.004
2*3	16	12.464	0.71
1*2*3	32	38.909	0.1

Supplementary table 2. Change in population density, per generation, of populations exposed to harvesting and reductions in immigration when facing constant and warming temperatures. Averages and standard deviations are based on four replicated microcosms for each interaction of treatments.

		Warming (<i>°C heating per generation</i>) →					
		0		0.3		0.6	
Harvesting (% population output) ↓	Immigration (% population input) ↓	Average	SD	Average	SD	Average	SD
		0	0	-16.6	16.9	-36.8	4.5
	12.5	-6.8	22.4	-23.6	8.6	-30.8	29
	25	5	10.8	-25.8	9.8	-45.4	18.6
	37.5	8.4	3.6	-20.9	11.1	-37.9	18.8
	50	-1.4	15.3	-25	19.6	-17.5	8
12.5	0	-16.8	17.7	-38.2	8.1	-73.3	17.4
	12.5	-15.7	19.2	-36	8.1	-50	24.7
	25	-2.3	13.2	-34.1	9	-47.9	19.2
	37.5	-0.2	5.9	-29.5	7	-28.7	27.8
	50	9.3	9.7	-19.5	10.8	-29.6	12.8
25	0	-29.9	13.8	-41.1	6.2	-67.1	7.6
	12.5	-8.9	6.8	-36.4	3.7	-62.1	15
	25	-23.6	14.1	-31.5	5.8	-43.3	12.5
	37.5	-5.1	5.4	-31.5	4.5	-45.4	24.2
	50	-1.6	11.3	-28.3	9.2	-42.9	21
37.5	0	-32.6	8.7	-39.6	6.1	-75	17.7
	12.5	-14.8	4.6	-40.9	1	-66.7	22.4
	25	-8.6	4.1	-27.4	9.2	-71.7	12.5
	37.5	-4	6.2	-34.3	5.5	-47.5	18.5
	50	-4.1	3.6	-29.5	6.7	-30	17.1
50	0	-25.7	7.5	-40	8.1	-71.7	11.7
	12.5	-19.5	13.8	-37	8.1	-68.3	16.5
	25	-23.8	12.4	-37.2	3.5	-66.3	17.8
	37.5	-12.1	6.1	-34.1	8.7	-55.8	21.7
	50	-13.4	6.4	-30.1	11.4	-51.3	12.9