Heatmap of Slope Value by Functional Group and Simulation Experiment. Slope Value scale: −7.5, −5.0, −2.5, 0.0.

Functional Group	Country	Climate Historical	Climate SSP1−2.6	Climate SSP5−8.5	Current Land Use Historical	Current Land Use SSP1−2.6	Current Land Use SSP5−8.5	Maximum Land Use Historical	Maximum Land Use SSP1−2.6	Maximum Land Use SSP5−8.5
Ectotherm Carnivores (it.)	Brazil	−1.12	0.57	0.6	−0.13	−1.58**	−0.3	−0.8***	−1.3***	−1.8***
Ectotherm Carnivores (s.)	Brazil	−0.5**	−0.57***	−0.5**	−0.69***	−0.54***	−0.3*	−0.69***	−0.23**	0.37
Ectotherm Herbivores (it.)	Brazil	1.04*	−0.01	0.6	−0.29	0.19	0.19	−1.11***	−1.01***	−1.07***
Ectotherm Herbivores (s.)	Brazil	−0.18	−0.36	−0.35	−0.28	−0.79**	−0.5	−0.25**	−0.56***	−0.13**
Ectotherm Omnivores (it.)	Brazil	0.87	−0.14	0.02	0.74	0.07	0.47	−1.53***	−1.86***	−0.73***
Ectotherm Omnivores (s.)	Brazil	0.1	−0.28	0.42	0.1	0.07	−0.95**	−0.28**	−0.33**	−0.15**
Endotherm Carnivores	Brazil	−0.55	−1.6***	−0.42	−0.34	−0.27	−0.57*	−0.96***	−0.88***	−1.23***
Endotherm Herbivores	Brazil	0.12	0.29	0.16	0.16	−0.29	0.14	−0.63***	−0.68***	−0.88***
Endotherm Omnivores	Brazil	0.68	0.33	0.65	0.58	0.03	0.5	−0.73***	−1.45***	−1.44***
Ectotherm Carnivores (it.)	Finland	−0.27	−0.07	0.11	−0.18*	−0.22	0.09	−1.34***	−1.26***	−1.43***
Ectotherm Carnivores (s.)	Finland	−0.24	−0.15	−0.26	−0.31*	−0.08	−0.34***	−0.35*	−0.39***	−0.31***
Ectotherm Herbivores (it.)	Finland	−0.16*	−0.23	−0.23	−0.29*	−0.22*	−0.14	−1.02***	−1.13***	−1.3***
Ectotherm Herbivores (s.)	Finland	−0.16	−0.71**	−0.44	−0.41*	−0.32	−0.74**	−0.75***	−0.54***	−0.89***
Ectotherm Omnivores (it.)	Finland	−0.3*	−0.12	0.14	−0.25*	−0.39**	0.07	−1.15***	−1.34***	−1.26***
Ectotherm Omnivores (s.)	Finland	−0.19	0.04	0.18	−0.15	−0.02	−0.3*	−0.16**	−0.29**	−0.15
Endotherm Carnivores	Finland	−0.11	−0.06	−0.16*	−0.09	0.06	−0.12			
Endotherm Herbivores	Finland	0.17	0.28	0.22	−0.08	0.21	0.63	−0.13*	−0.26**	−0.16*
Endotherm Omnivores	Finland	0.23	0.56	0.09	−0.05	−0.17	0.02	−2.06***	−1.41***	−1.59***
Ectotherm Carnivores (it.)	France	−2.08***	−1.39***	−0.66*	−0.79*	−0.98*	−1.03***	−2.82***	−2.47***	−2.48***
Ectotherm Carnivores (s.)	France	−1.44***	−0.84*	−0.75**	−0.96***	−0.53***	−0.62***	−0.4*	−0.52*	
Ectotherm Herbivores (it.)	France	−2.65***	−1.37***	−1.47***	−1.92***	−1.88***	−0.97**	−1.01***	−1.19***	−1.31***
Ectotherm Herbivores (s.)	France	−2.01*	−3.36**	−2.08***	−2.56***	−2.21***	−0.73**	−0.82***	−0.69***	0.1
Ectotherm Omnivores (it.)	France	−2.12**	−1.05*	−0.91	−1.66***	−1.68***	−0.86*	−1.3***	−1.59***	−1.35***
Ectotherm Omnivores (s.)	France	−2.3***	−0.55	−0.72*	−1.79***	−0.93***	0	−0.29*	−0.62***	−0.27
Endotherm Carnivores	France	−0.67*	−0.67**	−0.31	−0.8*	−0.52*	−0.38	−1.27***	−2.1***	−1.2***
Endotherm Herbivores	France	−0.29	−0.27	−0.18	−0.45	−0.39*	−1.03***	−1.1***	−0.84***	−1.01***
Endotherm Omnivores	France	0.06	1.05*	2.11***	0.58	−0.28	1.12*	−2.17***	−2.56***	−2.2***
Ectotherm Carnivores (it.)	Namibia	−7.13***	−1.98***	−4.13***	−8.43***	−1.62***	−4.84***	−2.24***	−0.81***	0.18
Ectotherm Carnivores (s.)	Namibia	−1.36***	−1***	−0.54***	−1.05***	−0.28	−0.93***	−0.56***	−0.35	
Ectotherm Herbivores (it.)	Namibia	−8.12***	−0.62	−5.83***	−8.31***	−1.2*	−4.49***	−3.72***	−1.37***	−0.6*
Ectotherm Herbivores (s.)	Namibia	−2.15***	−2.74***	−1.29***	−1.65***	−0.91	−0.65**	−0.63***	−0.41***	−0.54***
Ectotherm Omnivores (it.)	Namibia	−7.19***	−0.58	−4.37***	−5.84***	−0.68	−3.94***	−3.47***	−1.43***	−1.6***
Ectotherm Omnivores (s.)	Namibia	−1.95***	−2.32**	−2.13***	−1.25**	−1.43*	−0.81*	−0.54***	−0.52***	−0.65***
Endotherm Carnivores	Namibia	−9.56***	−0.86**	−6.14***	−8.26***	−0.72*	−5.24***	−1.31***		
Endotherm Herbivores	Namibia	−6.19***	0.11	−3.29***	−4.47***	0.03	−3.28***	−0.99***	−0.68***	0.41**
Endotherm Omnivores	Namibia	−5.36***	0.18	−4.21***	−5.43***	0.27	−4.61***	−1.16***		

Simulation Experiment