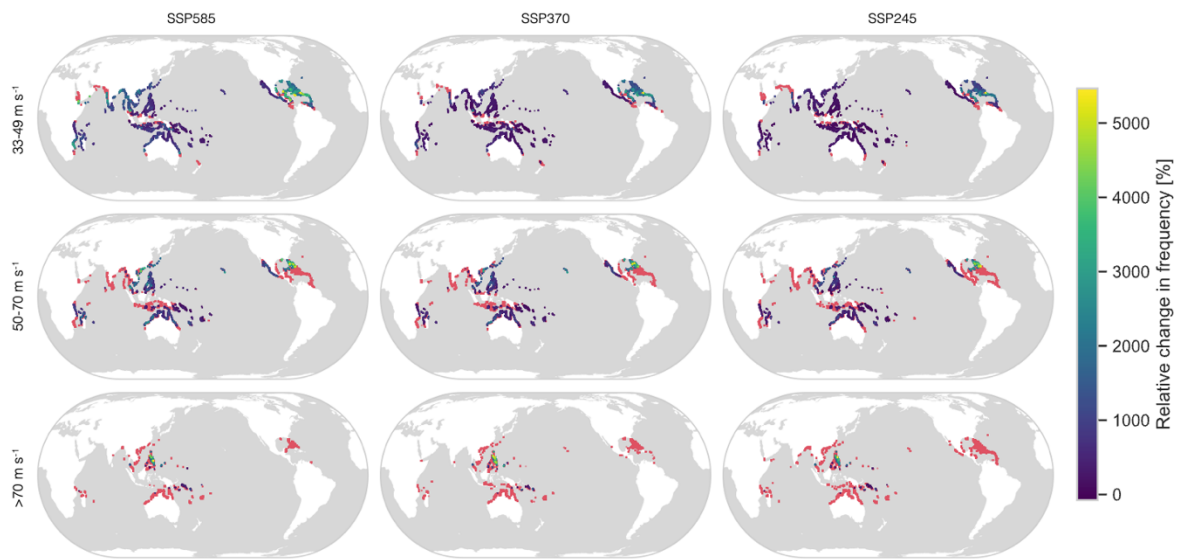
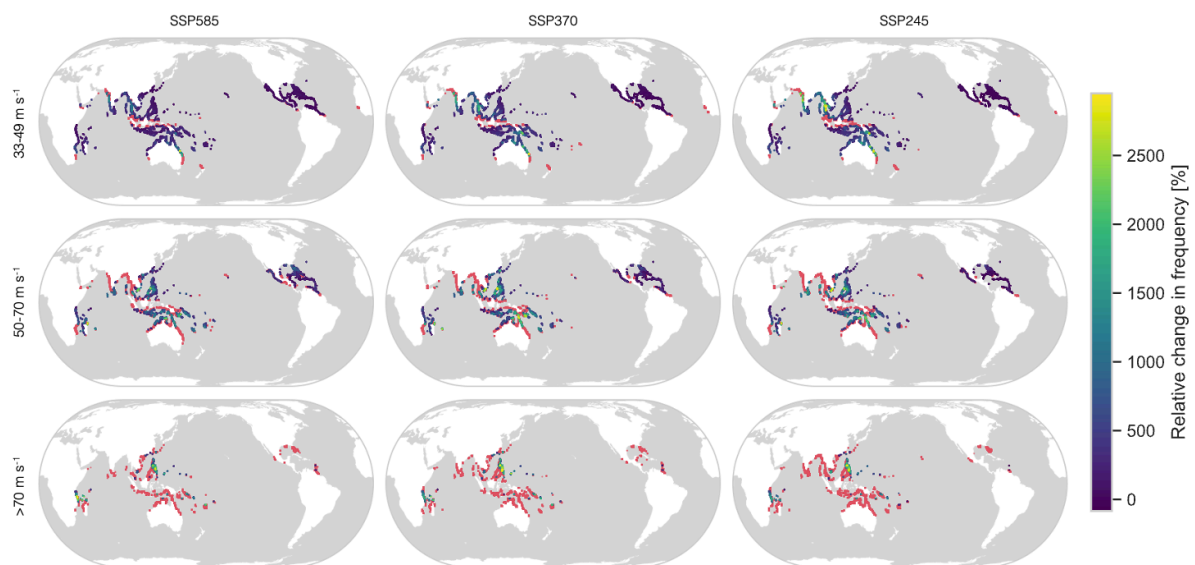


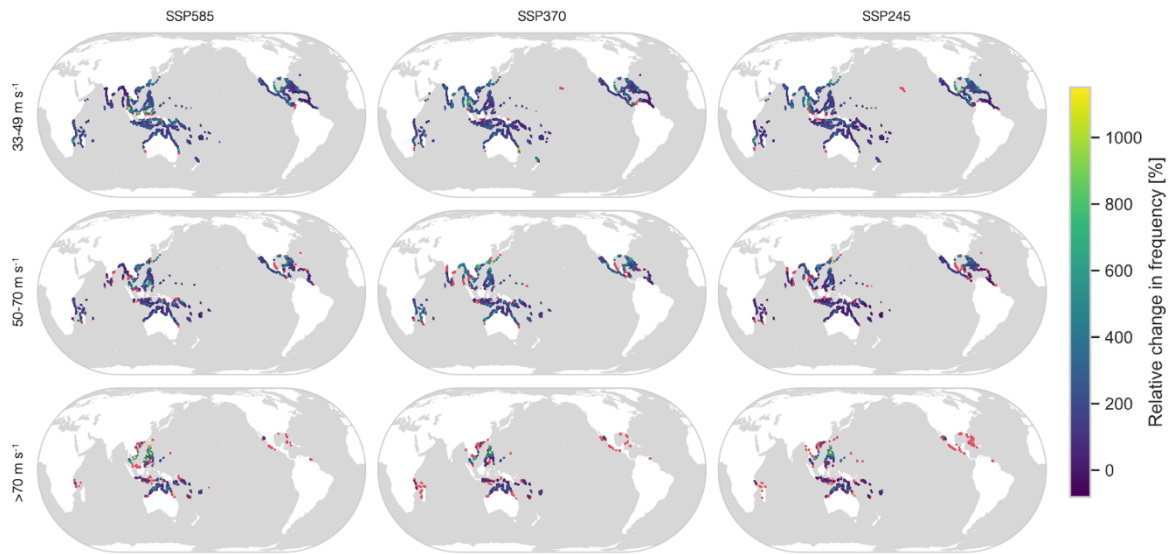
Supplementary Material



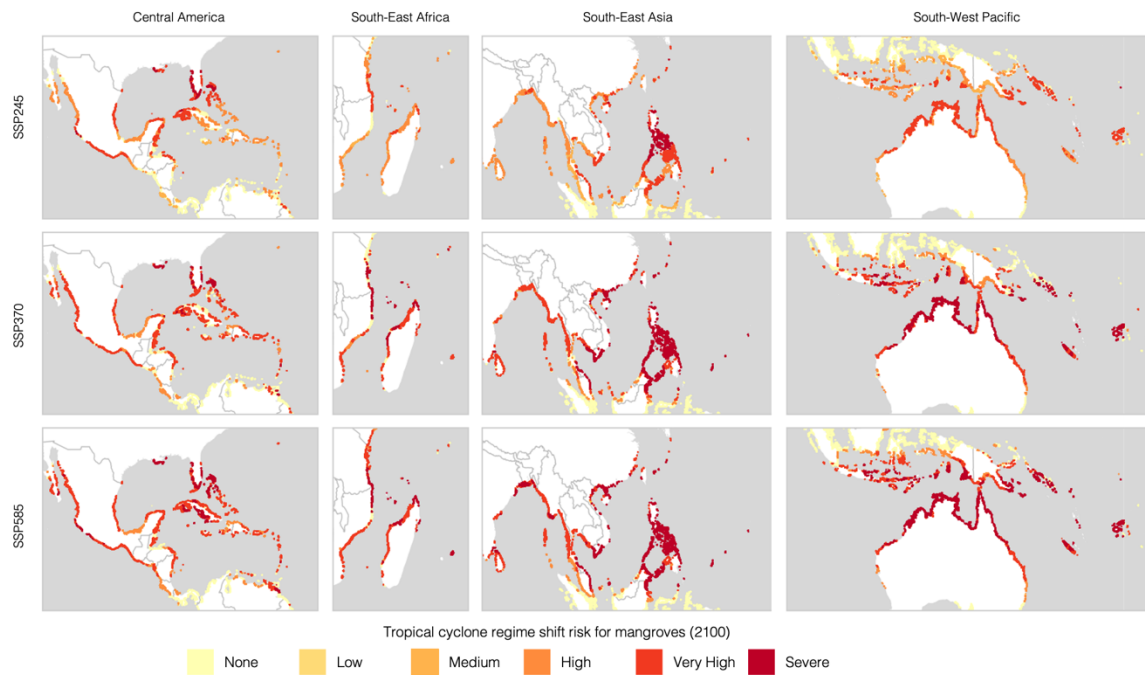
SM Figure 1: Relative change in frequency ECEarth



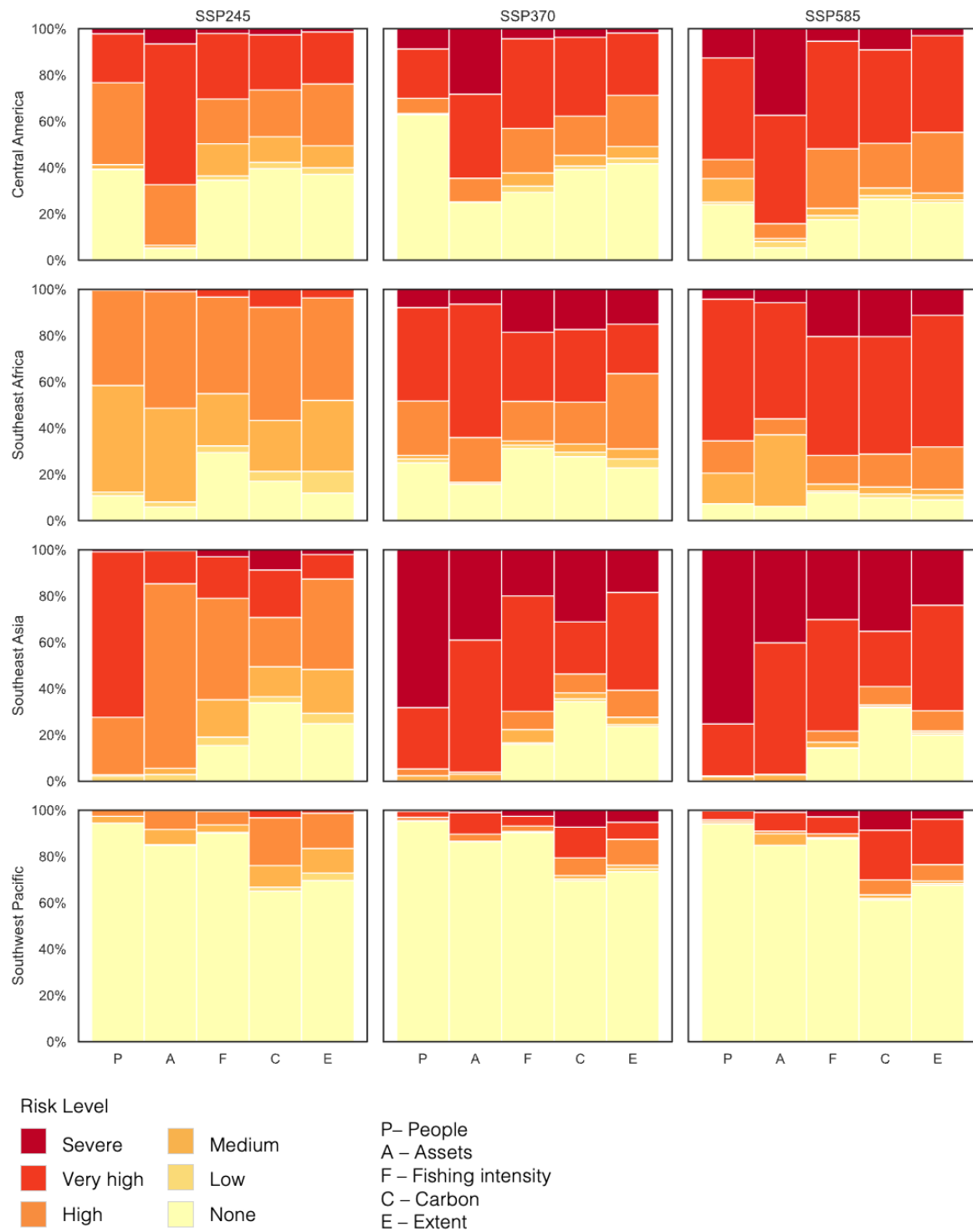
SM Figure 2: Relative change in frequency CESM2



SM Figure 3: Relative change in frequency MIROC6



SM Figure 4: Risk index across SSPs 245, 370, 585 for various regions



SM Figure 5: Proportions of ecosystem services at various levels of risk for different regions

SM Table 1. Share of mangrove centroids experiencing a relative increase of TC frequency beyond different thresholds. The numbers shown are proportions of all mangrove centroids which experience a non-zero change in frequency, not including newly affected areas.

SSP	Increase in frequency	% of mangrove centroids above frequency increase threshold		
		TC1	TC2	TC3
245	50%	79.50	86.24	95.88
	100%	51.42	72.15	84.16
	200%	16.50	39.35	39.08
370	50%	81.62	87.59	96.14
	100%	54.05	70.87	91.10
	200%	12.90	40.06	74.60
585	50%	86.73	93.13	97.08
	100%	66.31	79.77	94.68
	200%	34.41	49.99	90.78