

Cropland functional diversity increases ecosystem services supply in watersheds of the Rio de la Plata Grasslands

Landscape Ecology

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Supplementary material 2

Table S2. Ecosystem Services (ES) values in their original units for each region within the study area. The ES indicators are the Ecosystem Services Supply Index (ESSI), Hydrological Yield (HY) and Absorbed Photosynthetically Active Radiation (APAR). Percentiles 5th, 50th (median) and 95th are shown.

Region	ES original values	ESSI	HY	APAR (MJ/m ² .16 days)
Gondwanic sediment basin (n= 42)	p5	0.69	0.37	61
	Median (p50)	0.73	0.43	66
	p95	0.76	0.5	69
Western sediment basin (n= 87)	p5	0.58	0.29	60
	Median (p50)	0.62	0.4	65
	p95	0.71	0.5	68
Basaltic region (n= 23)	p5	0.7	0.42	61
	Median (p50)	0.72	0.46	64
	p95	0.75	0.51	66
Crystalline shield (n= 170)	p5	0.62	0.32	63
	Median (p50)	0.7	0.42	67
	p95	0.75	0.45	70
Lagoon Merin graben (n= 99)	p5	0.61	0.32	54
	Median (p50)	0.7	0.37	61
	p95	0.75	0.42	67
Santa Lucía graben (n= 51)	p5	0.66	0.35	60
	Median (p50)	0.7	0.43	63
	p95	0.73	0.46	66
Mesopotamic Pampa (n= 189)	p5	0.55	0.39	55
	Median (p50)	0.61	0.47	62

	p95	0.68	0.53	67
Rolling Pampa (n= 455)	p5	0.45	0.33	53
	Median (p50)	0.53	0.43	60
	p95	0.71	0.51	67
Eastern hills (n= 5)	p5	0.74	0.34	64
	Median (p50)	0.76	0.36	65
	p95	0.77	0.37	68

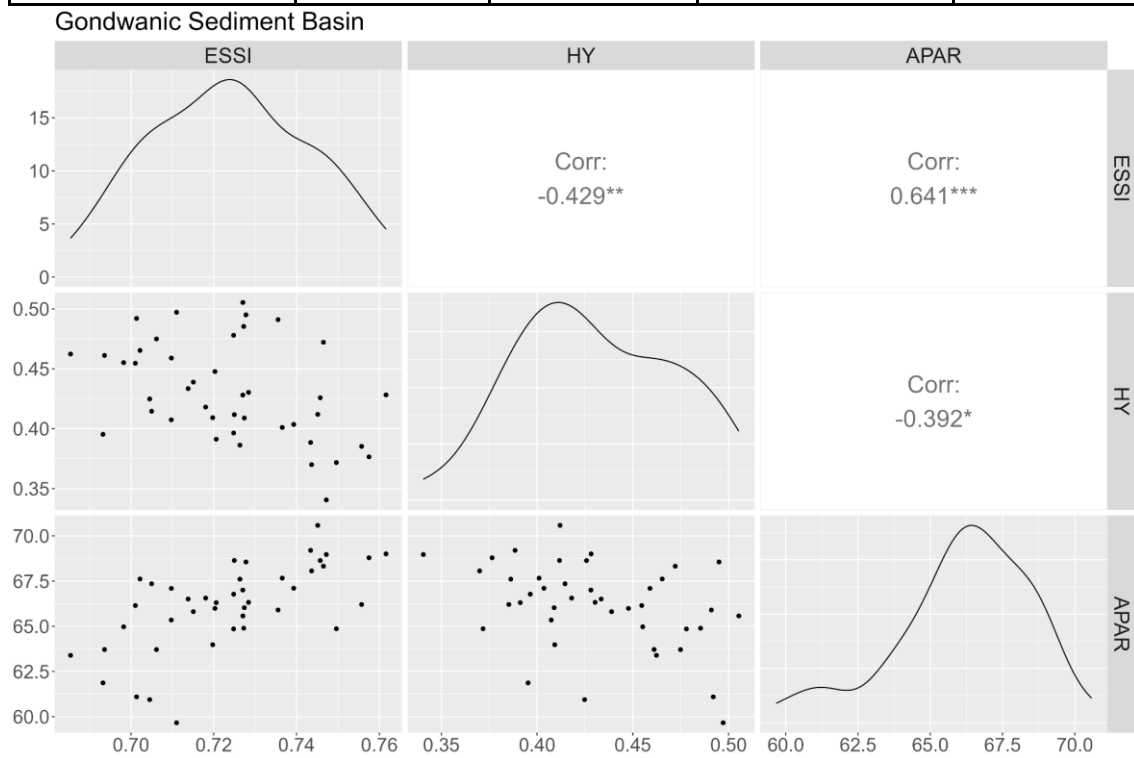


Figure S2.1 Pearson's correlation coefficients and scatterplots between ecosystem services (ES) indicators for the Gondwanic Sediment Basin. The ES indicators are the Ecosystem Services Supply Index (ESSI), Hydrological Yield (HY) and Absorbed Photosynthetically Active Radiation (APAR). Pairwise correlation coefficients are shown at the upper right. Each point in the scatterplots corresponds to a micro-watershed.

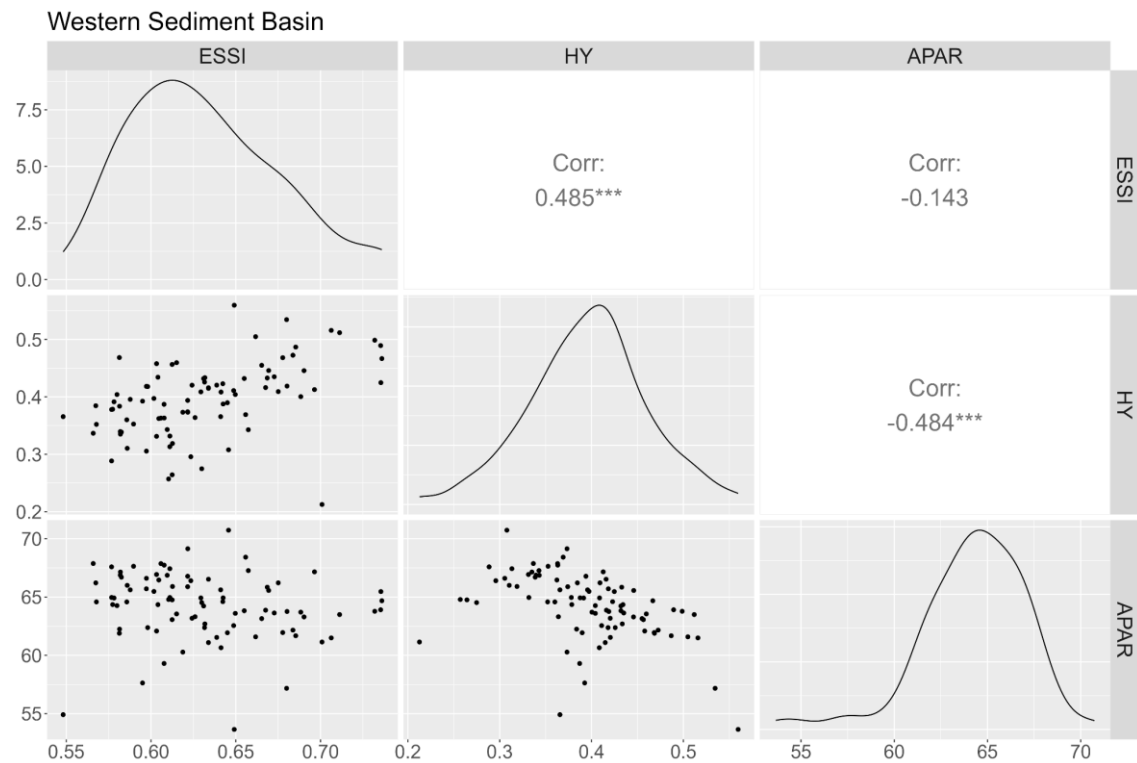


Figure S2.2 Pearson's correlation coefficients and scatterplots between ecosystem services (ES) indicators for the Western Sediment Basin. The ES indicators are the Ecosystem Services Supply Index (ESSI), Hydrological Yield (HY) and Absorbed Photosynthetically Active Radiation (APAR). Pairwise correlation coefficients are shown at the upper right. Each point in the scatterplots corresponds to a micro-watershed.

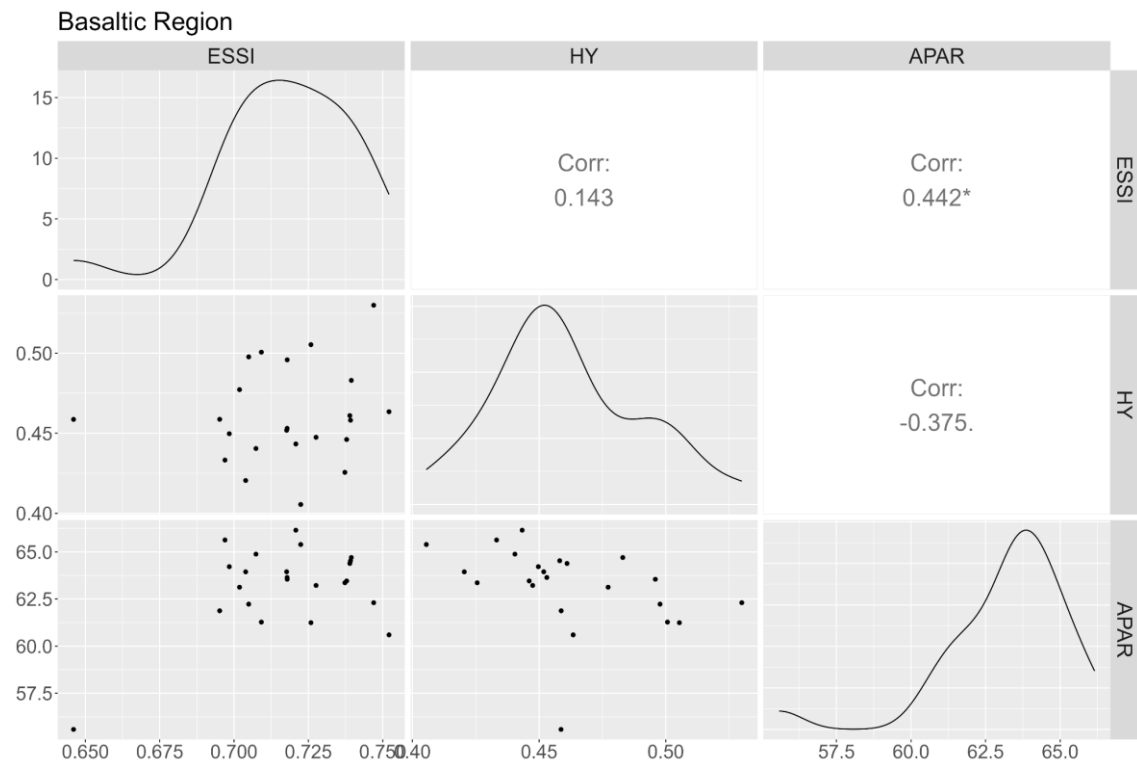


Figure S2.3 Pearson's correlation coefficients and scatterplots between ecosystem services (ES) indicators for the Basaltic Region. The ES indicators are the Ecosystem Services Supply Index (ESSI), Hydrological Yield (HY) and Absorbed Photosynthetically Active Radiation (APAR). Pairwise correlation coefficients are shown at the upper right. Each point in the scatterplots corresponds to a micro-watershed.

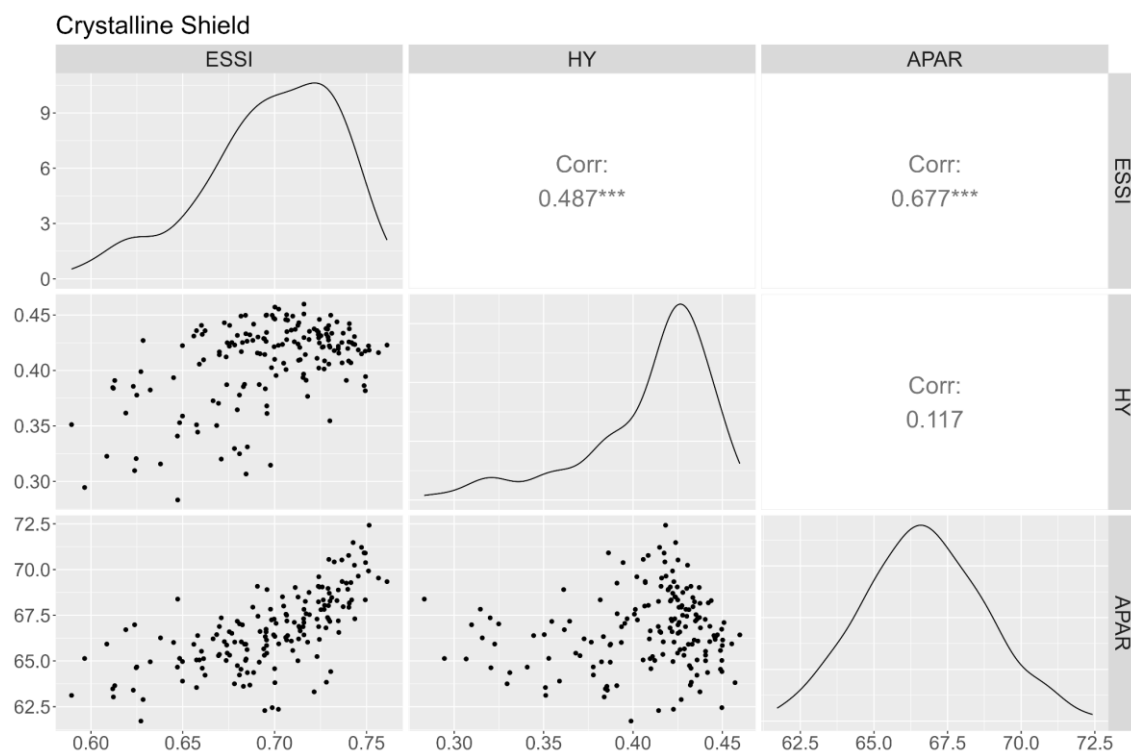


Figure S2.4 Pearson's correlation coefficients and scatterplots between ecosystem services (ES) indicators for the Crystalline Shield. The ES indicators are the Ecosystem Services Supply Index (ESSI), Hydrological Yield (HY) and Absorbed Photosynthetically Active Radiation (APAR). Pairwise correlation coefficients are shown at the upper right. Each point in the scatterplots corresponds to a micro-watershed.

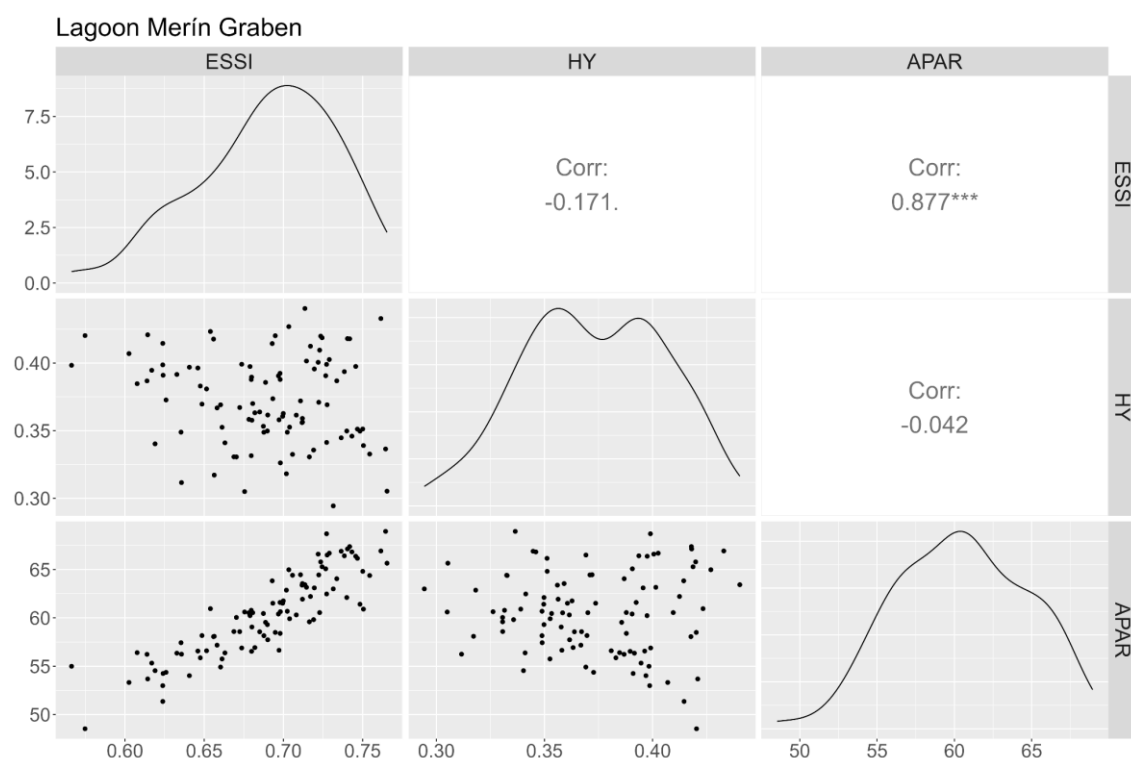


Figure S2.5 Pearson's correlation coefficients and scatterplots between ecosystem services (ES) indicators for the Lagoon Merin Graben. The ES indicators are the Ecosystem Services Supply Index (ESSI), Hydrological Yield (HY) and Absorbed Photosynthetically Active Radiation (APAR). Pairwise correlation coefficients are shown at the upper right. Each point in the scatterplots corresponds to a micro-watershed.

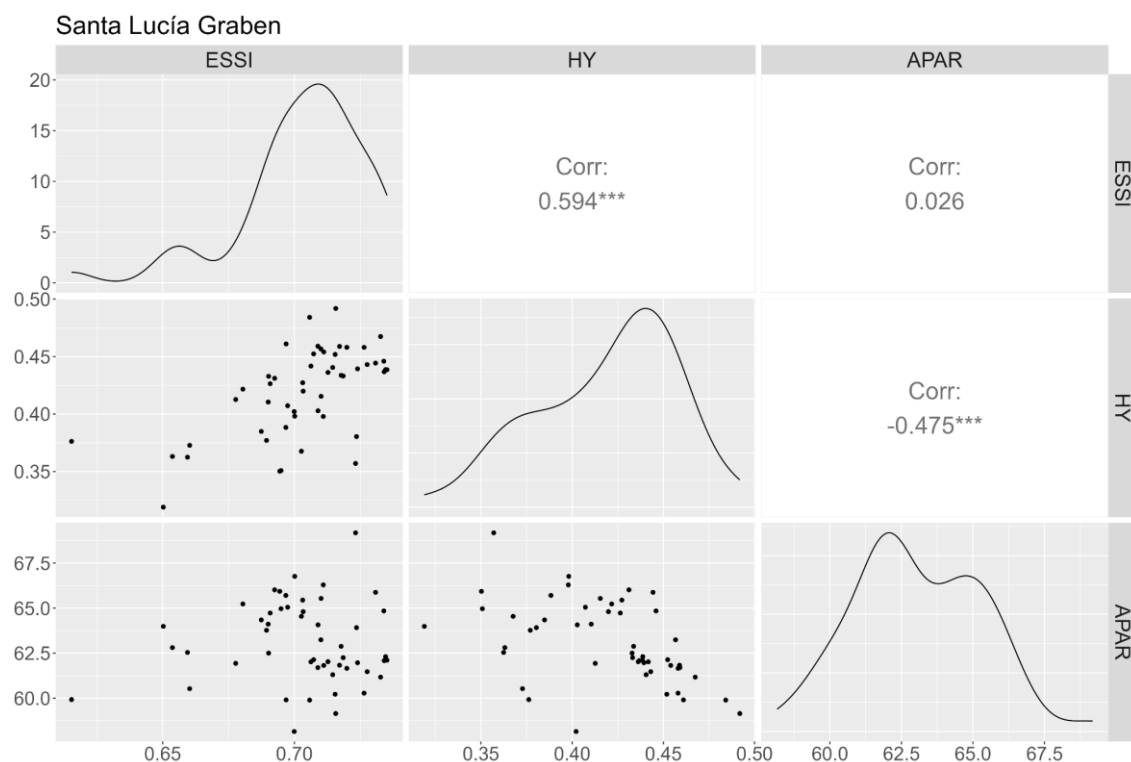


Figure S2.6 Pearson's correlation coefficients and scatterplots between ecosystem services (ES) indicators for the Santa Lucía Graben. The ES indicators are the Ecosystem Services Supply Index (ESSI), Hydrological Yield (HY) and Absorbed Photosynthetically Active Radiation (APAR). Pairwise correlation coefficients are shown at the upper right. Each point in the scatterplots corresponds to a micro-watershed.

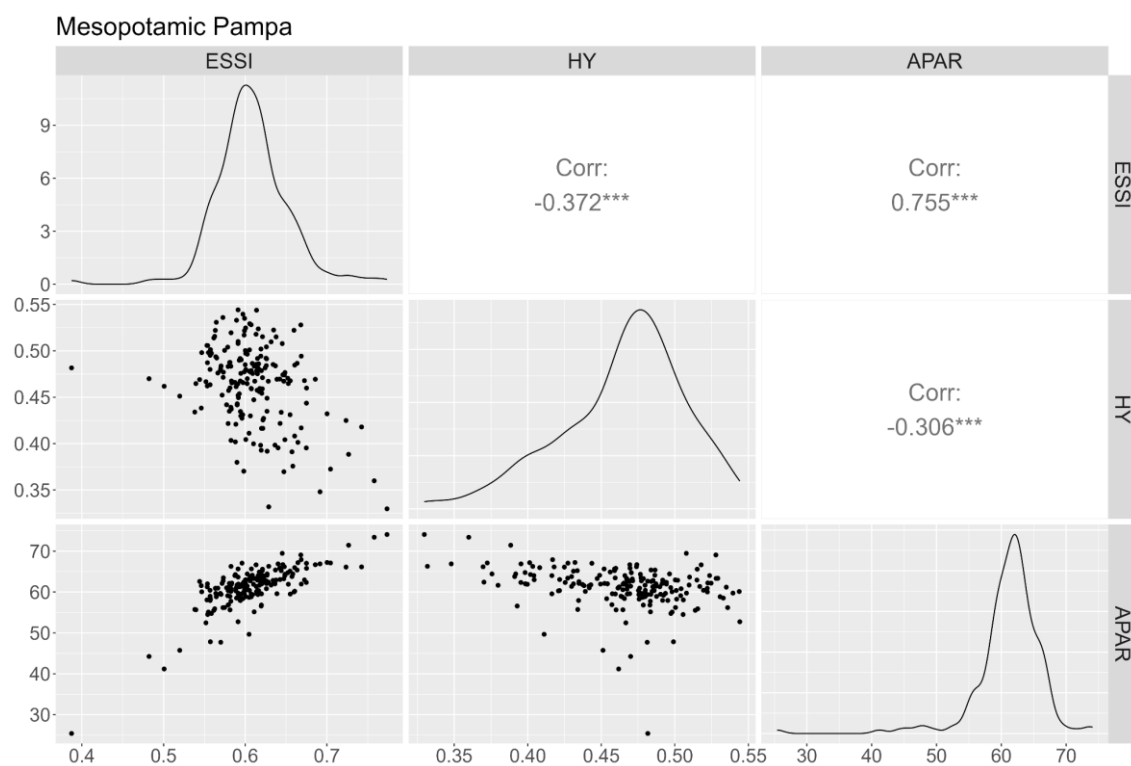


Figure S2.7 Pearson's correlation coefficients and scatterplots between ecosystem services (ES) indicators for the Mesopotamic Pampa. The ES indicators are the Ecosystem Services Supply Index (ESSI), Hydrological Yield (HY) and Absorbed Photosynthetically Active Radiation (APAR). Pairwise correlation coefficients are shown at the upper right. Each point in the scatterplots corresponds to a micro-watershed.

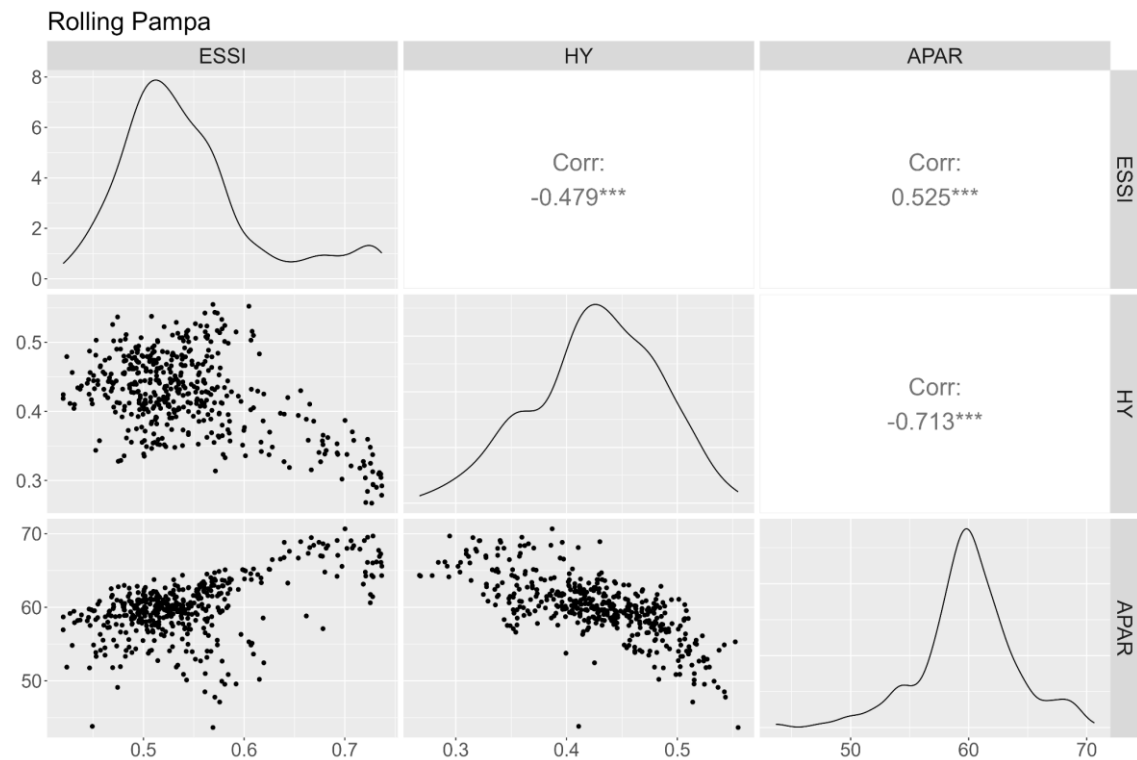


Figure S2.8 Pearson's correlation coefficients and scatterplots between ecosystem services (ES) indicators for the Rolling Pampa. The ES indicators are the Ecosystem Services Supply Index (ESSI), Hydrological Yield (HY) and Absorbed Photosynthetically Active Radiation (APAR). Pairwise correlation coefficients are shown at the upper right. Each point in the scatterplots corresponds to a micro-watershed.

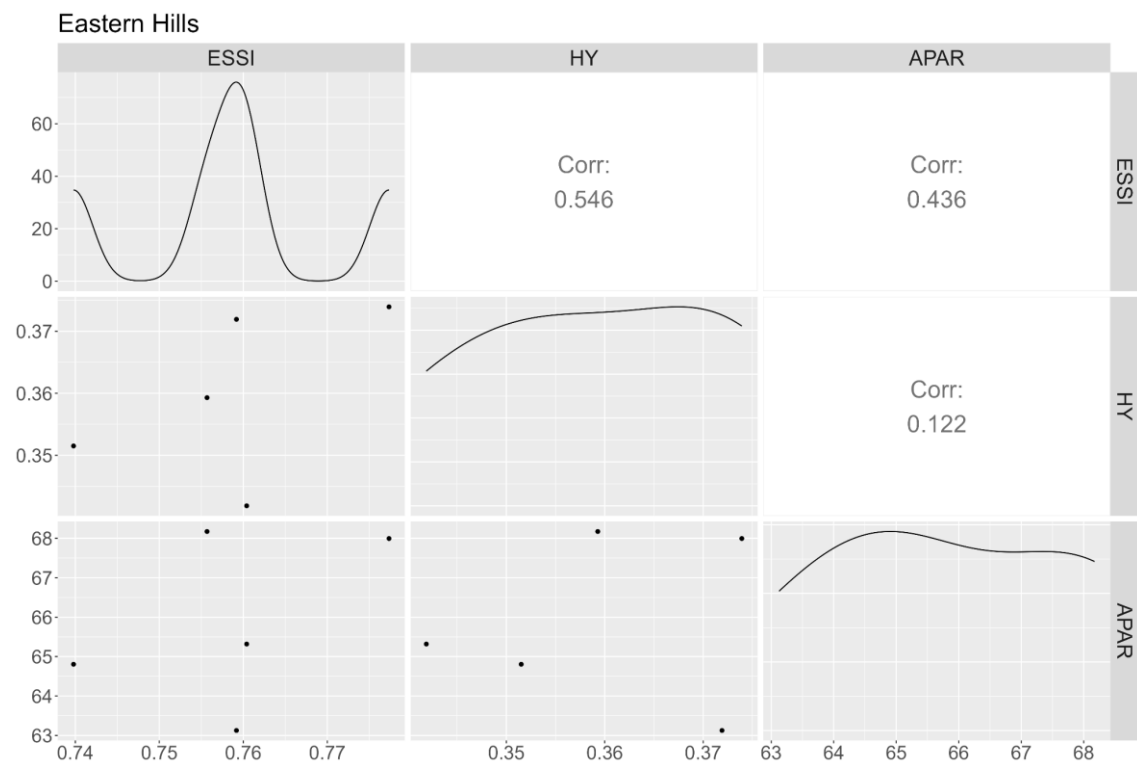


Figure S2.9 Pearson's correlation coefficients and scatterplots between ecosystem services (ES) indicators for the Eastern Hills. The ES indicators are the Ecosystem Services Supply Index (ESSI), Hydrological Yield (HY) and Absorbed Photosynthetically Active Radiation (APAR). Pairwise correlation coefficients are shown at the