

Table S3. Statistical values of correlations and regressions between environmental parameters Total monthly precipitation (Pre), Monthly average relative humidity (Hrm), Monthly average maximum relative humidity (Hra), Monthly average minimum relative humidity (Hri) and the parameters Specific richness (Rsm), Abundance (Asm) and Diversity index (Shannon_H'Ex). Monthly values are analysed jointly for the three years (N=36) and for each year separately (N=12). The best-fit polynomial regression function with the lowest Akaike Information Criterion (AIC) value is shown.

Parameters	Rsm 2017-2019	Rsm 2017	Rsm 2018	Rsm 2019	Asm 2017-2019	Asm 2017	Asm 2018	Asm 2019	Shannon H'Ex 2017-2019	Shannon_H'Ex 2017	Shannon_H'Ex 2018	Shannon_H'Ex 2019
Pre												
Pearson	-0.47	-0.58	-0.44	-0.61	-0.35	-0.51	-0.20	-0.60	-0.55	-0.56	-0.61	-0.68
<i>p</i>	0.0041531	0.050387	0.1477	0.033424	0.036278	0.092259	0.53858	0.037343	0.00058411	0.059564	0.034901	0.032377
Regression	Polynomial	Polynomial	Polynomial	Polynomial	Polynomial	Polynomial	Polynomial	Polynomial	Polynomial	Polynomial	Polynomial	Polynomial
	Order 1	Order 1	Order 1	Order 1	Order 1	Order 1	Order 1	Order 1	Order 1	Order 1	Order 1	Order 1
AIC	7.76	5.19	4.91	5.09	10.05	5.93	5.57	5.56	6.64	4.90	4.62	4.87
R ²	0.22	0.33	0.20	0.38	0.12	0.26	0.04	0.37	0.30	0.31	0.37	0.38
F	9.45	4.94	2.46	6.07	4.75	3.47	0.41	5.76	14.39	4.51	5.95	6.17
<i>p</i>	0.0041531	0.050387	0.1477	0.033424	0.036278	0.092259	0.53858	0.037343	0.00058411	0.059564	0.034901	0.032377
Hrm												
Pearson	-0.67	-0.71	-0.74	-0.76	-0.57	-0.62	-0.58	-0.72	-0.71	-0.69	-0.82	-0.78
<i>p</i>	0.0000087734	0.010135	0.0062334	0.004449	0.00028924	0.030307	0.048605	0.0084726	0.0000009848	0.012222	0.0011165	0.0028885
Regression	Polynomial	Polynomial	Polynomial	Polynomial	Polynomial	Polynomial	Polynomial	Polynomial	Polynomial	Polynomial	Polynomial	Polynomial
	Order 1	Order 1	Order 1	Order 1	Order 1	Order 1	Order 1	Order 1	Order 1	Order 1	Order 1	Order 1
AIC	6.66	4.89	4.52	4.75	8.66	5.59	5.09	5.19	5.84	4.68	4.32	4.56
R ²	0.45	0.50	0.54	0.57	0.32	0.39	0.34	0.52	0.51	0.48	0.67	0.61
F	27.30	9.99	11.90	13.34	16.32	6.36	5.04	10.67	35.46	9.31	20.39	15.33
<i>p</i>	0.0000087734	0.010135	0.0062334	0.004449	0.00028924	0.030307	0.048605	0.0084726	0.0000009848	0.012222	0.0011165	0.0028885
Hra												
Pearson	-0.58	-0.65	-0.63	-0.66	-0.48	-0.56	-0.49	-0.62	-0.62	-0.65	-0.72	-0.68
<i>p</i>	0.00023674	0.021694	0.02737	0.019487	0.003219	0.057084	0.10728	0.030405	0.000049207	0.022211	0.0086548	0.014167
Regression	Polynomial	Polynomial	Polynomial	Polynomial	Polynomial	Polynomial	Polynomial	Polynomial	Polynomial	Polynomial	Polynomial	Polynomial
	Order 1	Order 1	Order 1	Order 1	Order 1	Order 1	Order 1	Order 1	Order 1	Order 1	Order 1	Order 1
AIC	7.21	5.02	4.68	4.99	9.32	5.78	5.25	5.51	6.29	4.46	4.48	4.75
R ²	0.33	0.42	0.40	0.44	0.23	0.32	0.24	0.39	0.39	0.42	0.51	0.47
F	16.88	7.38	6.66	7.72	10.05	4.62	3.13	6.35	21.58	7.30	10.59	8.79
<i>p</i>	0.00023674	0.021694	0.02737	0.019487	0.003219	0.057084	0.10728	0.030405	0.000049207	0.022211	0.0086548	0.014167
Hri												
Pearson	-0.67	-0.68	-0.74	-0.76	-0.56	-0.58	-0.56	-0.73	-0.72	-0.68	-0.83	-0.79
<i>p</i>	0.0000092501	0.014964	0.0058353	0.0038772	0.00037497	0.049598	0.057979	0.0075244	0.0000006452	0.015908	0.00079484	0.0022871
Regression	Polynomial	Polynomial	Polynomial	Polynomial	Polynomial	Polynomial	Polynomial	Polynomial	Polynomial	Polynomial	Polynomial	Polynomial
	Order 1	Order 1	Order 1	Order 1	Order 1	Order 1	Order 1	Order 1	Order 1	Order 1	Order 1	Order 1
AIC	6.67	4.95	4.51	4.73	8.72	5.74	5.12	5.17	5.79	4.71	4.30	4.53
R ²	0.44	0.46	0.55	0.58	0.31	0.33	0.31	0.53	0.52	0.46	0.69	0.62
F	27.11	8.60	12.17	13.95	15.59	4.99	4.58	11.14	37.17	8.39	22.45	16.48
<i>p</i>	0.0000092501	0.014964	0.0058353	0.0038772	0.00037497	0.049598	0.057979	0.0075244	0.0000006452	0.015908	0.00079484	0.0022871