

Supplementary Table S4

Ecology, threats and conservation status of *Carex buekii* (Cyperaceae) in Central Europe

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Results of Kruskal–Wallis test and *post hoc* Dunn's multiple comparisons test, showing significance of differences in Shannon's index, evenness and number of species in phytocoenoses with *Carex buekii*. P – Poland, CR - Czech Republic, S – Slovakia, H – Hungary, I – Italy; \bar{x} – mean; p - statistical significance. Significance level $p \leq 0.05$ marked with bold.

Shannon's method	All	Country					Kruskal-Wallis test	Dunn's multiple comparisons test										
		P	CR	S	H	I		P-CR	P-S	P-H	P-I	CR-S	CR-H	CR-I	S-H	S-I	H-I	
Index	2.82	3.20	2.00	2.60	3.42	3.34	31.62	<0.001	0.001	0.313	1.000	1.000	0.847	<0.001	0.048	0.008	0.652	1.000
Evenness	0.86	0.92	0.74	0.86	0.90	0.94	30.00	<0.001	0.001	0.005	1.000	0.736	1.000	0.137	0.001	0.335	0.002	0.114
Num.Spec.	10	12	6	9	14	11	32.32	<0.001	0.002	0.421	1.000	1.000	0.808	<0.001	0.134	0.004	1.000	1.000