

Supplementary Materials: Table S1: Species composition, abundance and dominant relations of Silphidae caught at individual sites, Figure S1: Dominance relations of Silphidae caught on each study sites. Data from two-year studies were averaged. Dominance structure was described according to the scale: ED- eudominants (above 10,0%), D- dominants (5,1-10,0%), SD- subdominants (2,1-5,0%), R- recedents (1,1-2,0%) and SR- subrecedents (below 1,0%) [19].

Below:

Table S1 and Figure S1 on one page or (on the other pages) the same supplementary materials on two pages.

Table 1S. Species composition, abundance and dominant relations of Silphidae caught at individual sites.

Species	Site																		
	1		2		3		4		5		6		7	8	9	10	11	12	13
	2009	2010	2009	2010	2009	2010	2011	2012	2011	2012	2011	2012				2014			
<i>Oiceoptoma thoracicum</i>	60	37	147	98	109	129	46	64	44	30	81	71	5	10	67	1	6	18	154
<i>Phosphuga atrata atrata</i>	14	7	43	24	25	30	25	23	68	106	35	17	2	3	11	-	5	30	2
<i>Silpha carinata</i>	2	1	8	21	10	17	2	1	9	13	5	10	2	1	23	5	-	19	13
<i>Silpha obscura obscura</i>	76	53	32	18	23	11	-	2	-	-	-	3	66	13	42	16	41	30	34
<i>Silpha tristis</i>	16	29	1	-	8	6	-	-	-	-	-	-	10	4	3	-	-	-	2
<i>Thanatophilus rugosus</i>	17	13	2	4	10	4	5	1	1	1	4	2	7	15	12	5	4	5	3
<i>Thanatophilus sinuatus</i>	977	685	75	130	44	70	3	6	9	3	2	4	129	262	209	355	302	310	24
<i>Nicrophorus humator</i>	10	15	147	138	161	109	10	9	16	5	19	17	2	2	10	-	-	21	75
<i>Nicrophorus interruptus</i>	5	3	32	18	21	14	5	2	2	1	5	6	2	1	21	-	6	31	22
<i>Nicrophorus investigator</i>	-	2	11	6	4	1	-	2	1	-	3	1	4	1	14	2	-	-	32
<i>Nicrophorus sepultor</i>	-	1	5	2	4	-	-	-	-	-	-	-	3	-	4	1	-	2	-
<i>Nicrophorus vespillo</i>	243	231	155	119	133	82	80	142	57	88	73	114	87	64	170	69	103	194	150
<i>Nicrophorus vespilloides</i>	26	21	179	185	127	155	93	99	115	67	109	158	8	12	42	3	7	13	191
Total	1446	1098	837	763	679	628	269	351	322	314	336	403	327	388	628	457	474	673	702
Brillouin	1,117	1,215	1,991	1,938	1,983	1,929	1,547	1,446	1,635	1,506	1,633	1,526	1,541	1,113	1,865	0,752	1,061	1,535	1,861
Margalef	1,374	1,714	1,783	1,657	1,840	1,707	1,430	1,706	1,559	1,391	1,547	1,667	2,073	1,845	1,863	1,306	1,136	1,536	1,678
Dominance	0,490	0,438	0,156	0,164	0,164	0,167	0,248	0,282	0,226	0,249	0,225	0,269	0,270	0,488	0,208	0,628	0,461	0,304	0,186

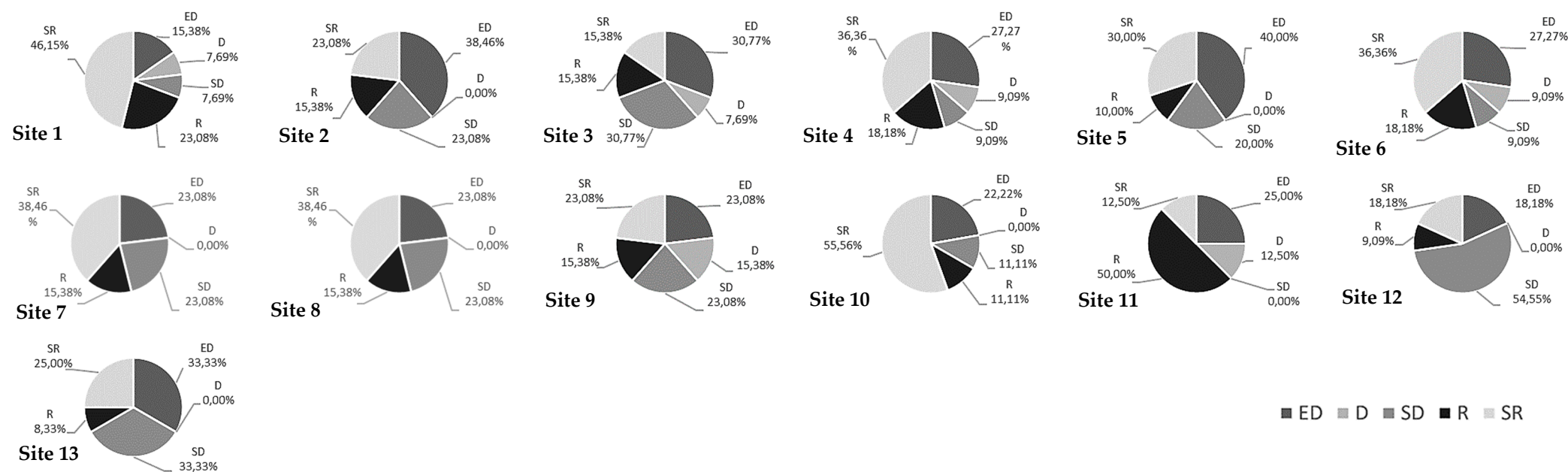


Figure 1S. Dominance relations of Silphidae caught on each study sites. Data from two-year studies were averaged. Dominance structure was described according to the scale: ED- eudominants (above 10,0%), D- dominants (5,1-10,0%), SD- subdominants (2,1-5,0%), R- recedents (1,1-2,0%) and SR- subrecedents (below 1,0%) [19].