

Ecography

**E7005**

Ekroos, J. and Kuusaari, M. 2011. Landscape context affects the relationship between local and landscape species richness of butterflies in semi-natural habitats. – *Ecography* 34: xxx–xxx.

**Supplementary material**

## Appendix 1

Habitat breadth, mobility scores and habitat preference of butterfly species observed in this study.

	Habitat breadth <sup>1</sup>	Mobility score <sup>1</sup>	Habitat preference <sup>2</sup>
<i>Albulina optilete</i>	2	5.5	bogs
<i>Anthocharis cardamines</i>	3	7.1	forest verges
<i>Aphantopus hyperantus</i>	3	6.6	semi-natural grasslands
<i>Aporia crataegi</i>	1	6.8	forest verges
<i>Araschnia levana</i>	2	4.7	forest verges
<i>Argynnis adippe</i>	2	7.5	forest verges
<i>Argynnis aglaja</i>	1	7.2	forest verges
<i>Argynnis niobe</i>	1	5.4	forest verges
<i>Argynnis paphia</i>	2	6.1	forest verges
<i>Aricia artaxerxes</i>	1	4.1	semi-natural grasslands
<i>Aricia eumedon</i>	2	4.8	semi-natural grasslands
<i>Boloria aquilonaris</i>	1	3.6	bogs
<i>Boloria eunomia</i>	2	3.3	bogs
<i>Boloria euphrosyne</i>	3	7.5	forest verges
<i>Boloria selene</i>	2	6.5	semi-natural grasslands
<i>Brenthis ino</i>	2	6.7	semi-natural grasslands
<i>Callophrys rubi</i>	2	6.5	forest verges

<i>Carterocephalus palaemon</i>	1	3.7	forest verges
<i>Carterocephalus silvicola</i>	1	1.7	forest verges
<i>Celastria argiolus</i>	2	6.5	forest verges
<i>Coenonympha glycerion</i>	1	4.9	semi-natural grasslands
<i>Coenonympha pamphilus</i>	3	4.5	semi-natural grasslands
<i>Colias palaeno</i>	1	7.1	bogs
<i>Erebia ligea</i>	1	6.5	forest verges
<i>Euphydryas maturna</i>	1	5.1	forest verges
<i>Gonepteryx rhamni</i>	4	8.3	forest verges
<i>Hesperia comma</i>	1	4.9	semi-natural grasslands
<i>Hipparchia semele</i>	1	3.8	rocky outcrops
<i>Issoria lathonia</i>	2	5.9	semi-natural grasslands
<i>Lasiommata maera</i>	1	6.4	forest verges
<i>Lasiommata petropolitana</i>	2	6.1	forest verges
<i>Leptidea sinapis</i>	1	5.7	forest verges
<i>Lycaena hippothoe</i>	1	4.2	semi-natural grasslands
<i>Lycaena phlaeas</i>	3	5.1	semi-natural grasslands
<i>Lycaena virgaureae</i>	3	5.9	semi-natural grasslands
<i>Maniola jurtina</i>	1	3.5	semi-natural grasslands
<i>Melitaea athalia</i>	1	5.4	forest verges
<i>Melitaea cinxia</i>	1	3.1	semi-natural grasslands
<i>Melitaea diamina</i>	1	1.8	semi-natural grasslands
<i>Nymphalis antiopa</i>	2	8.1	forest verges

<i>Nymphalis c-album</i>	3	7.8	forest verges
<i>Nymphalis io</i>	3	8.8	field margins
<i>Nymphalis urticae</i>	3	8.6	field margins
<i>Ochlodes sylvanus</i>	3	6.7	forest verges
<i>Papilio machaon</i>	3	8.1	forest verges
<i>Pararge aegeria</i>	1	4.2	forest verges
<i>Pieris brassicae</i>	3	8.8	field margins
<i>Pieris napi</i>	4	7.5	field margins
<i>Pieris rapae</i>	3	8.8	field margins
<i>Plebeius argus</i>	2	6.5	forest verges
<i>Plebeius idas</i>	2	6.5	forest verges
<i>Polyommatus amandus</i>	3	6.1	semi-natural grasslands
<i>Polyommatus icarus</i>	1	6.1	semi-natural grasslands
<i>Polyommatus semiargus</i>	2	6.2	semi-natural grasslands
<i>Pyrgus alveus</i>	2	3.8	semi-natural grasslands
<i>Pyrgus malvae</i>	2	4.2	semi-natural grasslands
<i>Thecla betulae</i>	2	4	forest verges
<i>Thymelicus lineola</i>	3	6.3	semi-natural grasslands
<i>Vanessa atalanta</i>	3	8.8	field margins
<i>Vanessa cardui</i>	3	8.8	field margins

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<sup>1</sup> According to Komonen et al. (2004).

<sup>2</sup> According to Kuussaari et al. (2007a).