Table S1: Habitat classes used for the computation of niche parameters

Table S1a. Original habitat coding system used by observers

Class

 Sub-category 1 sub-category 2 sub-category 3

**A**. Forest (trees > 5m high)

1 deciduous 1 semi-natural or mixed ages 1 Oak

2 conifer 2 even-aged plantation 2 Beech

3 mixed (> 10% each) 3 uneven-aged plantation 3 Maple

 4 mature plantation (> 10m high) 4 Chestnut tree

 5 young plantation (5-10m) 5 other deciduous

6 park (sparse trees with meadows) 6 Fir

 7 dense undergrowth 7 Spruce

 8 moderate undergrowth 8 Pine

 9 sparse undergrowth 9 Larch

 10 presence of deadwood 10 other conifer

 11 absence of deadwood 11 other species

**B**. Bushes (or young forest < 5m high)

1 regeneration forest 1 deciduous 1 mostly high (3-5 metres)

2 chalky bushes 2 conifer 2 mostly small (1-3 metres)

3 moorland 3 mixed (10% each) 3 dense undergrowth

4 young coppice 4 marsh deciduous bushes 4 moderate undergrowth

5 new plantation 5 marsh coniferous bushes 5 sparse undergrowth

6 clear cut 6 marsh mixed bushes 6 fern

7 others 7 evergreen leaves 7 pasture

8 garrigue

9 scrubland

# **C**. grasslands, marshes and moorlands

1 dry calcareous grassland 1 edge with trees 1 non pastured

2 herbaceous moorland 2 edge without trees 2 Pastured

3 heather moorland 3 tree line without edge 3 hay

4 natural wet grassland 4 other field limit (wall, ditch) 4 many ferns

5 other dry grasslands 5 isolated trees (1 – 10)

6 flooded grassland /pastured marsh 6 no edge nor limit

7 reed bed 7 Mountain

8 other open marshes 8 dyke

9 exploited salt marshes

10 peat bog

11 natural salt marshes

# **D**. cultivated areas

1 cultivated meadow 1 edge with trees 1 non pastured

2 non cultivated meadow 2 edge without trees 2 pastured

3 mixed meadows - crops 3 tree line without edge 3 cereals

4 large scale crops 4 other field limit (wall/ditch)4 maize

5 grove / grapevine / truckers 5 isolated trees (1 – 10) 5 sunflowers

6 other crops 6 farmyard 6 rape

 7 no edge nor limit 7 root crops

 8 naked soil

 9 other crops

 10 rice fields

Table S1b. Correspondence between the coding system retained in our habitat structure gradient and the original coding system (Table S1a)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **category** | **broad class** | **sub - category 1** | **sub - category 2** | **sub - category 3** |
| 1 | A | 1 - 3 | 1 - 4 | 1 - 11 |
| 2 | A | 1 - 3 | 6 | 1 - 11 |
| 3 | A | 1 - 3 | 5 | 1 - 11 |
| 4 | B | 1 - 7 | 1 - 9 | 1 |
| 5 | B | 1 - 7 | 1 - 9 | 2 |
| 6 | C | 1 - 11 | 1 | 1 - 4 |
| D | 1 - 6 | 1  | 1 - 10 |
| 7 | C | 1 - 11 | 2 - 3 | 1 - 4 |
| D | 1 - 6 | 2 - 3 | 1 - 10 |
| 8 | C | 1 - 11 | 4 - 8 | 1 - 10 |
| D | 1 - 6 | 4 -8  | 1 - 10 |