Natura 2000 Biogeographical Process

Continental, Pannonian, Black Sea and Steppic Biogeographical Regions

Habitats, Species and Issues Selection Document

Draft, 26 February 2014

Document for discussion at the First Steering Committee Meeting (Brussels, 5 March 2014)

An initiative of the European Commission

NATURA 2000

Prepared by: ECNC-European Centre for Nature Conservation (NL) and its consortium partners Arcadis Belgium (B), Centre for Ecology and Hydrology (UK) and ILE SAS (SK)

Funding: European Commission as part of contract number 07.0307/2011/60517/SER/B.3.

1 Introduction

This information is based on the replies of all 15 Member States included in the Continental / Black Sea / Pannonian / Steppic process, NGOs represented by the European Habitats Forum and land users and owners of the Natura 2000 Users Platform, represented by ELO.

For each of the three Biogeographical regions (Black Sea and Steppic, both only shared by Bulgaria and Romania, have been considered together), the first selection of 20 habitats was made by the European Topic Centre on Biodiversity on the basis of Article 17 data, and using a methodology based on three criteria, further explained in the pre-scoping document (uploaded on the CIRCA website).

Each Member State, NGO and N2K Users Group was invited to select a maximum 20 habitats from the list of habitats identified in the pre-scoping exercise, of which at least 15 needed to be chosen from the short list prepared by ETC/BD. In addition each participant could suggest a maximum of five other habitats, as long as the total number of selected habitats did not exceed 20.

By 26 February 2014, responses were received from the following 15 Member States:

- Austria
- Belgium
- Bulgaria
- Croatia
- Czech Republic
- Denmark
- France
- Germany
- Hungary
- Italy
- Luxembourg
- Poland
- Romania
- Slovakia
- Slovenia
- Sweden

Responses were also received from the following NGOs, through the European Habitats Forum:

- N2K Users: Helmholtz Centre for Environmental Research - UFZ
- European Habitats Forum: Butterfly Conservation Europe (BCE)
- European Habitats Forum: Deutscher Verband für Landschaftspflege e.V.
- European Habitats Forum: Bulgaria Biodiversity Foundation
- European Habitats Forum: Polish Naturalists' Club

2 Results for the Continental region

Continental habitats

The consolidated habitat selection results are presented in Table 1. It shows all the habitats ranked from highest to lowest scores (first by frequency of nomination by MS; second by 'Score ETC/BD'); in the column 'Sum MS' the result is given for Member States only. The 'ETC BD score' column represents the scores according to the calculation A*(B+C) as explained in the pre-scoping document. Table 2 presents all the additional habitats proposed by the Member States, NGOs and Natura 2000 users. Habitat selection details per Member State, N2K User and NGO are given in the Annex. Scoring by the Steering Committee members did not alter the top 20 habitats, only their relative position in the list.

Table 1 The top 20 Continental habitats (according to the ETC BD scoring) ranked according to the scores given by the Member States

Habitat	ETC BD score	Habitat group	Sum MS	Sum Users	Total sum
6410 - Molinia meadows on calcareous, peaty or clayey-silt-laden soils (Molinion caeruleae)	403	Grasslands	13	4	17
6210 - Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)	351	Grasslands	13	5	18
3130 - Oligotrophic to mesotrophic standing waters with vegetation of the Littorelletea uniflorae and/or of the Isoëto-Nanojuncetea	286	Rivers & lakes	13	2	15
91E0 - Alluvial forests with Alnus glutinosa and Fraxinus excelsior (Alno-Padion, Alnion incanae, Salicion albae)	198	Forests	13	5	18
7230 - Alkaline fens	338	Mires & bogs	12	4	16
6510 - Lowland hay meadows (Alopecurus pratensis, Sanguisorba officinalis)	312	Grasslands	11	6	17
7140 - Transition mires and quaking bogs	299	Mires & bogs	11	4	15
6230 - Species-rich Nardus grasslands, on silicious substrates in mountain areas (and submountain areas in Continental Europe)	275	Grasslands	11	4	15
3150 - Natural eutrophic lakes with Magnopotamion or Hydrocharition - type vegetation	260	Rivers & lakes	11	1	12
7220 - Petrifying springs with tufa formation (Cratoneurion)	221	Mires & bogs	10	1	11
3140 - Hard oligo-mesotrophic waters with benthic vegetation of Chara spp.	180	Rivers & lakes	10	0	10
4030 - European dry heaths	240	Grasslands	9	4	13
91F0 - Riparian mixed forests of Quercus robur, Ulmus laevis and Ulmus minor, Fraxinus excelsior or Fraxinus angustifolia, along the great rivers (Ulmenion minoris)	231	Forests	9	5	14
91D0 - Bog woodland	198	Forests	9	2	11
3260 - Water courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion vegetation	195	Rivers & lakes	9	1	10
5130 - Juniperus communis formations on heaths or calcareous grasslands	216	Heaths & scrubs	8	4	12
9110 - Luzulo-Fagetum beech forests	182	Forests	8	3	11
3160 - Natural dystrophic lakes and ponds	200	Rivers & lakes	6	1	7
7150 - Depressions on peat substrates of the Rhynchosporion	170	Sparsely vegetated land	6	2	8
7110 - Active raised bogs	171	Mires & bogs	5	2	7

Table 2 Additional habitats proposed by the Member States, the NGOs and the N2K users for consideration within the Continental process, ordered by decreasing importance according to the ranking from the Member States

Habitat	ETC BD score	Habitat group	Sum MS	Sum Users	Total sum
3270 - Rivers with muddy banks with Chenopodion rubri p.p. and Bidention p.p. vegetation	165	Rivers & lakes	5	0	5
6120 - Xeric and calcarious grasslands	133	Grasslands	3	1	4
9160 - Sub-Atlantic and medio-European oak or oak-hornbeam forests of the Carpinion betuli	99	Forests	3	0	3
6430 - Hydrophilous tall herb fringe communities of plains and of the montane to alpine levels	169	Grasslands	2	1	3
6110 - Rupicolous calcareous or basophilic grasslands of the Alysso-Sedion albi	168	Sparsely vegetated land	2	1	3
7210 - Calcareous fens with Cladium mariscus and species of the Caricion davallianae	165	Mires & bogs	2	0	2
6520 - Mountain hay meadows	162	Grasslands	2	4	6
9170 - Galio-Carpinetum oak-hornbeam forests	150	Forests	2	1	3
9180 - Tilio- Acerion forests of slopes, screes and ravines	132	Forests	2	0	2
8310 - Caves not open to the public	120	Sparsely vegetated land	2	0	2
1340* - Inland salt meadows-problematic protection of this habitat because of is marginal occurrence	98	Grasslands	2	0	2
6440 - Alluvial meadows of river valleys of the Cnidion dubii	98	Grasslands	2	0	2
91I0 - Euro-Siberian steppic woods with Quercus spp.	45	Forests	2	1	3
91H0 - Pannonian woods with Quercus pubescens	30	Forests	2	1	3
40C0 - Ponto-Sarmatic deciduous thickets	#N/A	Heaths & scrubs	1	1	2
91AA - Eastern white oak woods	#N/A	Forests	1	2	3
6210 - Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia)	351	Grasslands	1	1	2
1220 - Perennial vegetation of stony banks	176	Marine	1	0	1
1330 - Atlantic Salt Marshes	156	Marine	1	0	1
2330 - Inland dunes with open Corynephorus and Agrostis grasslands	144	Grasslands	1	1	2
7120 - Degraded raised bogs still capable of natural regeneration	128	Mires & bogs	1	2	3
4010 - Northern Atlantic wet heaths with Erica tetralix	102	Heaths & scrubs	1	0	1
9190 - Old acidophilous oak woods with Quercus robur on sandy plains	96	Forests	1	0	1
1150 - Coastal lagoons	66	Marine	1	0	1
2130 - Fixed dunes with herbaceous vegetation	55	Grasslands	1	0	1
1210 - Annual vegetation of stony banks	42	Marine	1	0	1
6240 - Sub-Pannonic steppic grasslands	40	Grasslands	1	1	2
92A0 - Salix alba and Populus alba galleries	24	Forests	1	2	3
91T0 - Central European lichen Scots pine forests	18	Forests	1	0	1
1530 - Pannonic salt steppes and salt marshes	15	Grasslands	1	2	3
91U0 - Sarmatic steppe pine fores	10	Forests	1	0	1
6260 - Pannonic sand steppes	6	Grasslands	1	2	3
9560 * Endemic forests with Juniperus spp.	#N/A	Forests	0	1	1
91M0 - Pannonian-Balkanic turkey oak –sessile oak forests	#N/A	Forests	0	2	2
91Z0 Moesian Silver lime woods	#N/A	Forests	0	1	1
6230 - Species-rich Nardus grasslands, on silicious substrates in mountain areas (and submountain areas in Continental Europe	275	Grasslands	0	1	1
5130 - Juniperus communis formations on theaths or calcareous grasslands	216	Heaths & scrubs	0	1	1
8230 - Siliceous rock with pioneer vegetation of the Sedo-Scleranthion or of the Sedo albi-Veronicion dillenii	110	Sparsely vegetated land	0	1	1
6220 - Pseudo-steppe with grasses and annuals of the Thero-Brachypodietea	12	Grasslands	0	1	1
2310 - Dry sand heaths with calluna and genista	10	Heaths & scrubs	0	1	1
2340 - Pannonic inland dunes	6	Grasslands	0	1	1
6250 * Pannonic loess steppic grasslands	6	Grasslands	0	1	1
6150 - Siliceous alpine and boreal grasslands in Appennine	3	Grasslands	0	1	1

Continental species

The consolidated list of species whose conservation is linked to the habitats for priority consideration in the Continental process is presented in Table 3. It shows the 62 species proposed by Member States, NGOs and N2K users ranked according to their scores (frequency of nomination by Member State).

Table 3 Species proposed for consideration within the Continental NBP whose conservation is linked to the management of the selected priority habitats

Species	N2K code	ETC BD score	Habitat group	Habitat group 2	Sum MS	Sum Users	Total sum
1029 Margaritifera margaritifera (1029, II, IV)	1029	224	Rivers & lakes		3	0	3
1059 Maculinea teleius (1059, II, IV)	1059	176	Mires & bogs	Grasslands	3	2	5
1032 Unio crasssus (1032, II, IV)	1032	348	Rivers & lakes		2	0	2
1084 Osmoderma eremita (1084, II*, IV)	1084	297	Forests		2	0	2
1193 Bombina variegata (1193, II, IV)	1193	220	Mires & bogs	Forests	2	0	2
1363 Felis silvestris (1363, IV)	1363	126	Heaths & scrubs	Forests	2	0	2
A060 Aythya nyroca (A060-B)	A060				2	0	2
1058 Maculinea arion (1058, IV)	1058	444	Sparsely vegetated land	Grasslands	1	1	2
1065 Euphydryas aurinia (1065, II)	1065	416	Mires & bogs	Grasslands	1	2	3
1203 Hyla arborea (1203, IV)	1203	275	Rivers & lakes	Mires & bogs	1	0	1
1202 Bufo calamita (1202, IV)	1202	270	Mires & bogs		1	0	1
1308 Barbastella barbastellus (1308, II, IV)	1308	260	Heaths & scrubs	Forests	1	0	1
1166 Triturus cristatus	1166	253	Mires & bogs	Forests	1	0	1
1283 Coronella austriaca (1283, IV)	1283	242	Sparsely vegetated land	Heaths & scrubs	1	0	1
1304 Rhinolophus ferrumequinum	1304	209	Heaths & scrubs	Forests	1	0	1
1323 Myotis bechsteinii (1323, II, IV)	1323	180	Heaths & scrubs	Forests	1	0	1
1188 Bombina bombina (1188, II, IV)	1188	171	Mires & bogs	Forests	1	0	1
1339 Cricetus cricetus (1339, IV)	1339	160	Grasslands		1	0	1
1083 Lucanus cervus annex 2 habitats	1083	154	Forests		1	0	1
1355 Lutra lutra (1355, II, IV)	1355	154	Rivers & lakes	Mires & bogs	1	0	1
1214 Rana arvalis (1214, IV)	1214	152	Mires & bogs	Forests	1	0	1
1061 Maculinea nausithous	1061	144	Mires & bogs	Grasslands	1	0	1
1037 Ophiogomphus cecilia	1037	140	Rivers & lakes	Mires & bogs	1	0	1
1088 Cerambyx cerdo (1088, II, IV)	1088	135	Forests		1	0	1
1093 Austropotamobius torrentium (1093, II, IV)	1093	128	Rivers & lakes	Mires & bogs	1	0	1
1361 Lynx lynx (1361, II, IV)	1361	126	Forests		1	0	1
1163 European bullhead Cottus gobio Habitat Directive	1163	120	Rivers & lakes		1	1	2
1428 Marsilea quadrifolia	1428	105	Rivers & lakes	Mires & bogs	1	0	1
1106 Salmo salar (1106, II, IV)	1106	91	Rivers & lakes		1	0	1
4068 Adenophora lilifolia	4068	65	Forests		1	0	1
1335 European ground squirel Spermophilus citellus Habitat Directive	1335	55	Grasslands		1	1	2
1105 Hucho hucho (1105, II, IV)	1105	40	Rivers & lakes		1	0	1
1114 Rutilus pigus	1114	36	Rivers & lakes		1	0	1
2511 Gobio kessleri	2511	25	Rivers & lakes		1	0	1
1993 Triturus dobrogicus	1993	18	Mires & bogs	Forests	1	0	1
2011 Umbra krameri	2011	15	Rivers & lakes		1	0	1
1091 Astacus astacus (1091, V)	1091				1	0	1
1109 Thymallus thymallus (1109, V)	1109				1	0	1
1762 Arnica montana (1762, V)	1762				1	0	1
A030-B Ciconia nigra (A030-B, I)	A030				1	0	1
A055 Anas querquedula (A055)	A055				1	0	1
A074 Milvus milvus (A074, I)	A074				1	0	1
A089 Aquila pomarina (A089, I)	A089				1	0	1
A122 Crex crex (A122, I)	A122				1	0	1
A168 Actitis hypoleucos (A168)	A168				1	0	1
A229 Alcedo atthis (A229, I)	A229				1	0	1
A231 Coracias garrulus	A231				1	0	1
A236 Dryocopus martius (A 236, I)	A236				1	0	1
A238 Dendrocopus medius (A238, I)	A238				1	0	1
A239 Dendrocopos leucotos White backed woodpecker Bird Directive	A239				1	1	2
A241 Picoides tridactylus (A241, I)	A241				1	0	1
A247 Alauda arvensis (A247)	A247				1	0	1
A264 Cinclus cinclus (A264)	A264				1	0	1
A409 Tetrao tetrix	A409				1	0	1
A644 Perdix perdix (A644, II/1)	A644				1	0	1
A688 Botaurus stellaris (A688-B, I)	A688				1	0	1
A719 Porzana parva (A719, I)	A719				1	0	1
A768 Numenius arquata (A768)	A768				1	0	1
1056 Parnassius mnemosyne - Annex IV	1056	207	Heaths & scrubs	Grasslands	0	1	1
1052 Hypodryas maturna	1052	144	Forests		0	1	1
1060 Lycaena dispar (II, IV DH) (habitat 6430)	1060	99	Mires & bogs	Grasslands	0	1	1
1071 Coenonympha oedippus (II, IV DH); (habitat 6410)	1071	75	Mires & bogs	Grasslands	0	1	1

Continental management and conservation issues

The issues reported by the Member States, NGOs and Natura 2000 users are reported in detail in Section 5 and in the Annex. For the purpose of establishing a tabular overview and prioritisation of issues, the contributions were reformulated into a limited number of issue categories listed in the table below allowing a scoring of the issues. The issues are shown in decreasing order of importance based on the scores given by the Member States. Scores by the NGOs and N2K Users (column "Sum Users") are also shown for reference.

Table 4 Continental management issue categories by decreasing order of importance for the selected habitats

Issues	Sum MS	Sum Users	Total sum
Fragmentation	8	1	9
Stakeholder involvement	4	2	6
Forest management	2	0	2
Funding	2	0	2
Intensification	2	0	2
Succession	2	1	3
Abandonment	1	1	2
Changes in hydrology	1	0	1
Coastal squeeze	1	0	1
Eutrophication	1	1	2
Introduction of non native species	1	0	1
Nitrogen deposition	1	0	1
River management	1	0	1
CAP reform	0	1	1
Guidance and advice	0	1	1

3 Results for the Pannonian region

The four Pannonian countries – Czech Republic, Hungary, Romania and the Slovak Republic - submitted their proposals for habitats, species and issues for priority consideration within the Natura 2000 Biogeographical Process. No specific selection for the Pannonian region was received from the NGOs and the Natura 2000 Users. General comments were however submitted by the EHF (See section 5).

Pannonian habitats

Details of the selection of habitats for priority consideration within the Pannonian NBP are given in Table 5. Both the top 20 suggested by the ETC BD based on the three criteria approach and the additional habitats proposed by the country are included in this table and ordered by decreasing Member State ranking followed by ETC BD score ranking.

Table 5 Habitats proposed for priority consideration within the Pannonian biogeographical region

Habitats	ETC BD Score	Habitat group	Czech Republic	Hungary	Romania	Slovak Republic	Total
91F0 - Riparian mixed forests of Quercus robur, Ulmus laevis and Ulmus minor, Fraxinus excelsior or Fraxinus angustifolia, along the great rivers (Ulmenion minoris)	36	Forests	1	1	1	1	4
91I0 - Euro-Siberian steppic woods with Quercus spp.	36	Forests	1	1	1	1	4
6440 - Alluvial meadows of river valleys of the Cnidion dubii	32	Grasslands	1	1	1	1	4
40A0 - Subcontinental peri-Pannonic scrub	32	Heaths & scrubs	1	1	1	1	4
6240 - Sub-Pannonic steppic grasslands	24	Grasslands	1	1	1	1	4
3150 - Natural eutrophic lakes with Magnopotamion or Hydrocharition - type vegetation	24	Rivers & Lakes	1	1	1	1	4
3130 - Oligotrophic to mesotrophic standing waters with vegetation of the Littorelletea uniflorae and/or of the Isoëto-Nanojuncetea	20	Rivers & Lakes	1	1	1	1	4
6260 - Pannonic sand steppes	44	Grasslands	1	1		1	3
6250 - Pannonic loess steppic grasslands	36	Grasslands	1	1		1	3
1530 - Pannonic salt steppes and salt marshes	28	Grasslands		1	1	1	3
6510 - Lowland hay meadows (Alopecurus pratensis, Sanguisorba officinalis)	28	Grasslands	1	1	1		3
3260 - Water courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion vegetation	28	Rivers & Lakes	1		1	1	3
91E0 - Alluvial forests with Alnus glutinosa and Fraxinus excelsior (Alno-Padion, Alnion incanae, Salicion albae)	24	Forests	1	1		1	3
3270 - Rivers with muddy banks with Chenopodion rubri p.p. and Bidention p.p. Vegetation	24	Rivers & Lakes	1		1	1	3
6210 - Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)	21	Grasslands	1	1		1	3
6410 - Molinia meadows on calcareous, peaty or clayey-silt-laden soils (Molinion caeruleae)	32	Grasslands	1	1			2
6430 - Hydrophilous tall herb fringe communities of plains and of the montane to alpine levels	28	Grasslands	1		1		2
7230 - Alkaline fens	24	Mires & bogs		1		1	2
3160 Natural dystrophic lakes and ponds	18	Rivers & Lakes	1		1		2
91M0 Pannonian-Balkanic Turkey Oak - Sessile Oak forests	18	Forests		1		1	2
91G0 Pannonic woods with Quercus petraea and Carpinus betulus	15	Forests	1			1	2
1340 Inland salt meadows	12	Grasslands	1			1	2
6120 Xeric and calcareous grasslands	#N/A	Grasslands				1	1
6410 Molinia meadows on calcareous, peaty or clayey-silt-laden soils (Molinion caeruleae)	32	Grasslands			1		1
6210 Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brom	21	Grasslands		1			1
9180 - Tilio-Acerion forests of slopes, screes and ravines	18	Forests		1			1
4030 - European dry heaths	18	Heaths & scrubs	1				1
2340 Pannonic inland dunes	15	Grasslands			1		1
91H0 Pannonian woods with Quercus pubescens	15	Forests				1	1
6190 Rupicolous Pannonic Grasslands (Stipo-Festucetalia pallentis)	9	Grasslands		1			1
9130 Asperulo-Fagetum Beech Forests	4	Forests		1			1

Pannonian species

Nine species and two species groups were proposed by the Pannonian Member States. As no species was proposed by more than one Member State, they are presented decreasing order of ETC BD score.

Table 6 Species whose conservation is linked to the management of priority habitats within the Pannonian region

Species	ETC BD Score	Habitat group	Czech Republic	Hungary	Romania	Slovak Republic	Total
1088 - Cerambyx cerdo (Annex II)	135	Forests	1				1
1335 - Spermophilus citellus	44	Grasslands			1		1
4013 - Carabus hungaricus (Annex II)	24	Grasslands	1				1
4096 - Gladiolus palustris	21	Mires & bogs; Grass			1		1
4067 Echium russicum - ecology, biology and taxonomy	18	Grasslands				1	1
1902 - Cypripedium calceolus (Annex II)	12	Forests	1				1
2011 - Umbra krameri	12	Rivers & lakes			1		1
4104 Himantoglossum adriaticum - ecology, biology and taxonomy	10	Grasslands				1	1
2120 Thlaspi jankae - ecology, biology and taxonomy	4	Grasslands				1	1
Forest dwelling bat species (Habitats Directive Annexes II and IV)		Forests		1			1
Large raptor species breeding in forests (Birds Directive Annex I)		Forests		1			1

Pannonian management and conservation issues

Some conservation and management issues were proposed but as there is no overlap between the suggestions by the different Member States, they are given in random order.

Table 7 Habitat management and conservation issues for priority consideration within the Pannonian region

Issues	Czech Republic	Hungary	Romania	Slovak Republic
Contradiction between enabling natural processes (no-interference management) and maintaining the favourable status of habitat type (biotope) dependent on regular human activities	1			
Ploughing of grasslands (all kind of grasslands) - general problem in the region			1	
Water management			1	
Overgrazing of grasslands			1	
River and channel management			1	
Financing of speficic (small-scale) management types	1			

4 Results for the Black Sea & Steppic regions

Both Bulgaria and Romania, the two Member States sharing the Black Sea and Steppic Biogeographical regions, within the EU provided their proposals for habitats, as did the Bulgarian Biodiversity Foundation on behalf of EHF (NGOs).

Black Sea & Steppic habitats

Table 8 Habitats proposed for priority consideration within the Black Sea and Steppic biogeographical regions

Habitat	Habitat group	Bulgaria	Romania	Total	EHF Bulgaria
1150 - Coastal lagoons	Marine	1	1	2	1
1530 - Pannonic salt steppes and salt marshes	Grasslands	1	1	2	1
40C0 - Ponto-Sarmatic deciduous thickets	Heaths & scrubs	1	1	2	1
62C0 - Ponto-Sarmatic steppes	Grasslands	1	1	2	1
91M0 - Pannonian-Balkanic turkey oak –sessile oak forests	Forests	1	1	2	1
91AA - Eastern white oak woods	Forests	1	1	2	1
92A0 - Salix alba and Populus alba galleries	Forests	1	1	2	1
1310 - Salicornia and other annuals colonizing mud and sand	Grasslands	1	1	2	
2110 - Embryonic shifting dunes	Sparsely vegetated land	1	1	2	1
91X0 - Dobrogean beech forests	Forests		1	1	
91Y0 - Dacian oak & hornbeam forests	Forests		1	1	
1130 Estuaries	Marine	1		1	1
1410 Mediterranean salt meadows (Juncetalia maritimi)	Grasslands	1		1	1
2130 *Fixed coastal dunes with herbaceous vegetation (grey dunes)	Grasslands	1		1	1
2160 - Dunes with Hippophaë rhamnoides	Heaths & scrubs		1	1	
2190 - Humid dune slacks	Mires & bogs	1		1	
3150 - Natural eutrophic lakes with Magnopotamion or Hydrocharition - type vegetation	Rivers & lakes		1	1	
3260 - Water courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion vegetation	Rivers & lakes		1	1	
91F0 - Riparian mixed forests of Quercus robur, Ulmus laevis and Ulmus minor, Fraxinus excelsior or Fraxinus angustifolia, along the great rivers (Ulmenion minoris)	Forests	1		1	
91I0 - Euro-Siberian steppic woods with Quercus spp.	Forests	1		1	
1160 - Large shallow inlets and bays	Marine			0	
31A0 - Transylvanian hot-spring lotus beds	Rivers and Lakes			0	
62D0 - Oro-Moesian acidophilous grasslands	Grasslands			0	
91S0 - Western Pontic beech forests	Forests			0	1
91V0 - Dacian Beech forests (Symphyto-Fagion)	Forests			0	
91W0 - Moesian beech forests	Forests			0	
91Z0 - Moesian silver lime woods	Forests			0	1
91BA - Moesian silver fir forests	Forests			0	
91CA - Rhodopide and Balkan Range Scots pine forests	Forests			0	
92C0 - Platanus orientalis and Liquidambar orientalis woods (Platanion orientalis)	Forests			0	
92D0 - Southern riparian galleries and thickets (Nerio-Tamaricetea and Securinegion tinctoriae)	Forests			0	
91E0 Riparian mixed forests of Querqus robur, Ulmus laevis and Ulmus minor, Franxinus excelsior or Fraxinus angustrifolia, along the great rivers (Ulmenion minoris)	Forests			0	1

Black Sea & Steppic species

Eight species whose conservation is related to the management of priority habitats in the Black Sea and Steppic regions were proposed by the two Member States and one NGO.

Table 9 Species whose conservation is linked to the management of priority habitats within the Black Sea and Steppic regions

Habitat	Habitat group	Bulgaria	Romania	Total	EHF Bulgaria
4125 Alosa immaculata	N/A	1	1	2	
1219 Testudo graeca	N/A		1	1	
1428 Marsilea quadrifolia	Mires & bogs; Rivers & Lakes		1	1	
A396 Branta ruficollis Bird Directive	N/A	1		1	1
1293 Elaphe situla HD Annexes II & IV	N/A	1		1	
4127 Alosa tanaica	N/A	1		1	
1335 Spermophilus citellus Habitat Directive	Grasslands			0	1
A442 Ficedula semitorquata Bird Directive	N/A			0	1

Black Sea & Steppic management and conservation issues

Conservation and management issues for priority consideration within the Natura 2000 biogeographical Process were provided by the two Member states in the region and the Bulgarian Biodiversity Foundation, a member of the EHF.

Table 10 Habitat management and conservation issues for priority consideration within the Blac Sea & Steppic region

Issue	Bulgaria	Romania	Total	EHF Bulgaria
Abandonment		1	1	
Changes in hydrology		1	1	1
Disappearance of linear landscape elements	1		1	
Drainage	1		1	
Fragmentation	1		1	1
Habitat loss	1		1	
Intensification		1	1	
Renewable energies	1		1	
Tourism		1	1	1

5 Comments and observations for habitat, species and issues selection

The comments below are the comments received by individual Member States, NGOs and Natura 2000 Users, together with their habitat, species and issues selections.

Belgium

Continental conservation and management issues:

- Stakeholder involvement
- Agriculture intensification
- Fragmentation

Bulgaria

There have been some difficulties with the pre-selected lists on one hand and the regions grouping on the other, since the Steppic region in Romania borders the Continental region in Bulgaria. For example, habitat type 40C0 - Ponto-Sarmatic deciduous thickets, occurs only in the Continental region in BG and in both the Continental and Steppic regions in RO, but has been included in the pre-selection list for the Black Sea and the Steppic regions. We would like to have this habitat type included in the Continental list.

We have also noticed that some of the habitat types we are interested in and would like to be included in the Continental List are with relatively low scores in the Continental region but with much higher scores and even in the pre-selection list for the Pannonian region. These are 1530, 2340, 6240, 6250, 6260, 91I0, 91M0.

We have tried to work following the method described in the Draft Pre-scoping document and to propose additional habitats that we would like to be included and in the same time are present in more than 2 countries. For that we have used the Art.17 Check list for the current reporting round. This is the reason why we have not listed 40C0 for the Continental region and 2340 is “under the line”.

Black Sea and Steppic conservation and management issues:

- Tourism
- Fragmentation
- Hydrological changes

Croatia

Continental conservation and management issues:

- Stakeholder involvement
- Fragmentation of habitats
- Financial and other support mechanisms

Czech Republic

Continental conservation and management issues:

- Contradiction between enabling natural processes (no-interference management) and maintaining the favourable status of habitat type (biotope) dependent on regular human activities
- Financing of specific (small-scale) management types

Denmark

The Danish part of the terrestrial Continental Region consists of a rather fragmented landscape when it comes to natural habitats. In a management perspective, a number of more cross cutting issues is very relevant to discuss, especially:

- How to manage fragmented and small habitats, especially grasslands like 6230, and humid meadows and fens (e.g. 6410, 7220, 7230), including the challenges following from defining appropriate (agri-environmental) measures to reduce the impact from the surrounding agricultural activities
- How to create more robust habitats by establishing “network” features, e.g. by “linking” the habitats
- How to deal with airborne pollution, including especially (long distance transport) of nitrogen

However, following the past years problems with storms and high water level at our coastline, the question of how to manage the coastal habitats becomes even more actual (coastal squeeze). This could call for including the following habitats in the work at the seminars:

- 1210 Annual vegetation of stony banks
- 1220 Perennial vegetation of stony banks
- 1330 Atlantic Salt Marshes

Please consider this in the further work.

Germany

Species selection:

Species linked to habitat quality in forests (with special regard to habitat types 9110, 9170, 91D0*, 91E0*, 91F0): (a) Dead wood:

- Osmoderma eremita (1084, II*, IV)
- Cerambyx cerdo (1088, II, IV)
- Myotis bechsteinii (1323, II, IV)
- Barbastella barbastellus (1308, II, IV)
- Dryocopus martius (A 236, I)
- Dendrocopus medius (A238, I)
- Picoides tridactylus (A241, I)

Species linked to habitat quality in forests (with special regard to habitat types 9110, 9170, 91D0*, 91E0*, 91F0): (b) Coherence and large, undisturbed habitats:

- Felis silvestris (1363, IV)
- Lynx lynx (1361, II, IV)
- Ciconia nigra (A030-B, I)
- Aquila pomarina (A089, I)

Species linked to extensively managed open habitats: (a) Grasslands (with special regard to habitat types 6120*, 6210*, 6230*, 6410, 6440, 6510, 6520):

- Arnica montana (1762, V)
- Euphydryas aurinia (1065, II)
- Maculinea teleius (1059, II, IV)
- Maculinea arion (1058, IV)
- Coronella austriaca (1283, IV)
- Crex crex (A122, I)
- Numenius arquata (A768)
- Milvus milvus (A074, I)
- Alauda arvensis (A247)

Species linked to extensively managed open habitats: (b) Crops:

- Cricetus cricetus (1339, IV)
- Perdix perdix (A644, II/1)

Species linked to freshwater habitats and their quality/coherence: (a) Rivers and creeks (with special regard to habitat type 3270):

- Unio crasssus (1032, II, IV)
- Margaritifera margaritifera (1029, II, IV)
- Astacus astacus (1091, V)
- Austropotamobius torrentium (1093, II, IV)

- Thymallus thymallus (1109, V)
- Salmo salar (1106, II, IV)
- Hucho hucho (1105, II, IV)
- Lutra lutra (1355, II, IV)
- Alcedo atthis (A229, I)
- Cinclus cinclus (A264)
- Actitis hypoleucos (A168)

Species linked to freshwater habitats and their quality/coherence: (b) Lakes and ponds (with special regard to habitat types 3130, 3140, 3150):

- Bufo calamita (1202, IV)
- Rana arvalis (1214, IV)
- Bombina variegata (1193, II, IV)
- Bombina bombina (1188, II, IV)
- Hyla arborea (1203, IV)
- Botaurus stellaris (A688-B, I)
- Porzana parva (A719, I)
- Aythya nyroca (A060-B)
- Anas querquedula (A055)

Forest habitat types on secondary sites (e.g. habitat types 9160, 9170)

Continental conservation and management issues:

- Dead wood and old growth stocks and habitats in managed forests
- Biodiversity and area losses by succession/land use changes in extensively managed open land
- Eutrophication including atmospheric nitrogen depositions
- Risks by introduction of non-native tree species into forest habitat types or into habitat types adjacent to protected forests
- Improvement of the Natura 2000 network quality/coherence by:
- protection of natural processes/wilderness in primary habitats
- linking of Natura 2000 sites
- Improvement of habitat quality in watercourses and associated floodplains (biotope complexes)

Italy

Continental conservation and management issues:

- Fragmentation
- Stakeholder involvement

Romania

Continental conservation and management issues:

- Forest exploitation during the breeding season of birds are causing nest failure of many sensitive species.
- River management (Eg. artificial barriers on the rivers (dams, reservoirs) are preventing many fish species from migration.
- Linear infrastructure are causing fragmentation of habitats and isolation of many species populations.

European habitats forum

The top twenty selection for the Continental is generally sufficient. Nevertheless, it must be accented that coastal zone habitats (as dunes, cliffs) are totally skipped. They are not very common and typical for continental region but should be discussed somewhere (I am afraid they - as 'terrestrial' – are not in the scope of marine Seminar either)

The dunes are skipped also from the Black Sea region yet they are among the most important groups of habitats for Bulgaria – there are a lot of problems with them and their protection is clearly very high on the political agenda in Bulgaria.

A methodological remark was made that the table should include the coverage area of the habitats beyond simple presence or absence in a particular country. It could be easily derived from the Natura 2000 designation and reporting documents and would provide information about the importance of the certain habitat.

A methodological remark was made about the species selection. More attention should be paid to some landscape, indicator, umbrella and flagship species, the protection of which would lead to better protection of their habitat. Examples: White-backed Woodpecker and Three-toed Woodpecker can be considered as indicators for healthy amounts of deadwood in their habitats, Souslik is indicator for some open landscapes. Efforts to identify such species should be made.

Specific contributions from NGOs regarding management issues affecting the selected habitats in the Continental region:

- Bulgarian Biodiversity Foundation
    - Promotion of wildlife tourism
- Butterfly Conservation Europe
    - Nutrient input and accumulation
    - Increasing vegetation density (forests, grasslands, bogs and mires, shrubs and heaths) for possibly several reasons (management, nutrients, climate change)

- Deutscher Verband für Landschaftspflege e.V. (Germany)
    - Stakeholder involvement
    - Guidance and advice
- Butterfly Conservation (Italy)
    - Fragmentation
    - Stakeholder involvement
    - Abandonment

Specific contributions from NGOs regarding management issues affecting the selected habitats in the Black Sea region:

- Bulgarian Biodiversity Foundation
    - Wildlife tourism
    - Changes in hydrology
    - Agriculture intensification
    - Lack of agriculture

NATURA 2000 Users

Specific contributions from Natura 2000 users regarding management issues affecting the selected habitats:

- Helmholtz Centre for Environmental Research - UFZ
    - CAP reform

Annex: details of the Continental selection results

Remark for the 3 tables: for more details on the column "comments" please see section 5.

Table 11 Selection details for the top 20 Continental habitats (according to the ETC BD scoring) ranked according to the scores given by the Member States

Habitat	N2K code	ETC BD score	Habitat group	Austria	Belgium	Bulgaria	Croatia	Czech Republic	Denmark	France	Germany	Italy	Luxembourg	Poland	Romania	Slovenia	Sweden		Sum MS		EHF / BCE	N2K Users	EHF / Germany	EHF / BCE / Ital	EHF Bulgaria E	EHF Bulgaria E		Sum Users		Total sum	comments
6410 - Molinia meadows on calcareous, peaty or clayey-silt-laden soils (Molinion caeruleae)	6410	403	Grasslands	1	1		1	1	1	1	1	1	1	1	1	1	1		13		1	1	1	1				4		17	DK: small size and fragmented
6210 - Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)	6210	351	Grasslands	1	1	1	1	1		1	1	1	1	1	1	1	1		13		1	1	1	1		1		5		18	
3130 - Oligotrophic to mesotrophic standing waters with vegetation of the Littorelletea uniflorae and/or of the Isoëto-Nanojuncetea	3130	286	Rivers & lakes	1	1	1	1	1		1	1	1	1	1	1	1	1		13						1	1		2		15	
91E0 - Alluvial forests with Alnus glutinosa and Fraxinus excelsior (Alno-Padion, Alnion incanae, Salicion albae)	91E0	198	Forests	1	1	1	1	1		1	1	1	1	1	1	1	1		13		1	1		1	1	1		5		18	
7230 - Alkaline fens	7230	338	Mires & bogs	1	1	1	1	1	1	1	1	1		1	1		1		12		1	1			1	1		4		16	DK: small size and fragmented
6510 - Lowland hay meadows (Alopecurus pratensis, Sanguisorba officinalis)	6510	312	Grasslands	1	1	1	1	1			1	1	1		1	1	1		11		1	1	1	1	1	1		6		17	
7140 - Transition mires and quaking bogs	7140	299	Mires & bogs	1	1		1	1		1	1	1	1	1	1		1		11		1	1	1	1				4		15	
6230 - Species-rich Nardus grasslands, on silicious substrates in mountain areas (and submountain areas in Continental Europe)	6230	275	Grasslands	1	1		1	1	1	1	1	1	1	1			1		11		1	1	1	1				4		15	DK: small size and fragmented
3150 - Natural eutrophic lakes with Magnopotamion or Hydrocharition - type vegetation	3150	260	Rivers & lakes	1	1	1	1	1		1	1	1	1		1	1			11							1		1		12	
7220 - Petrifying springs with tufa formation (Cratoneurion)	7220	221	Mires & bogs	1	1		1		1	1		1	1	1	1		1		10		1							1		11	DK: small size and fragmented
3140 - Hard oligo-mesotrophic waters with benthic vegetation of Chara spp.	3140	180	Rivers & lakes	1			1	1		1	1	1	1	1	1		1		10									0		10	
4030 - European dry heaths	4030	240	Grasslands	1	1			1		1	1	1	1	1			1		9		1	1	1	1				4		13	
91F0 - Riparian mixed forests of Quercus robur, Ulmus laevis and Ulmus minor, Fraxinus excelsior or Fraxinus angustifolia, along the great rivers (Ulmenion minoris)	91F0	231	Forests	1		1	1				1	1		1	1	1	1		9		1	1		1	1	1		5		14	
91D0 - Bog woodland	91D0	198	Forests	1	1	1		1			1		1	1	1		1		9		1	1						2		11	
3260 - Water courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion vegetation	3260	195	Rivers & lakes	1	1		1	1					1	1	1	1	1		9			1						1		10	
5130 - Juniperus communis formations on heaths or calcareous grasslands	5130	216	Heaths & scrubs	1	1	1		1		1		1	1	1					8		1	1	1	1				4		12	
9110 - Luzulo-Fagetum beech forests	9110	182	Forests	1		1	1				1	1	1		1		1		8		1	1				1		3		11	
3160 - Natural dystrophic lakes and ponds	3160	200	Rivers & lakes	1				1		1				1	1		1		6		1							1		7	
7150 - Depressions on peat substrates of the Rhynchosporion	7150	170	Sparsely vegetated land	1	1		1			1		1			1				6		1	1						2		8	
7110 - Active raised bogs	7110	171	Mires & bogs	1	1					1	1			1					5		1	1						2		7	

Table 12 Selection details for the additional habitats proposed by the Member States, the NGOs and the N2K users for consideration within the Continental process, ordered by decreasing importance according to the ranking from the Member States

Habitat	N2K code	ETC BD score	Habitat group	Austria	Belgium	Bulgaria	Croatia	Czech Republic	Denmark	France	Germany	Italy	Luxembourg	Poland	Romania	Slovenia	Sweden		Sum MS		EHF / BCE	N2K Users	EHF / Germany	EHF / BCE / Ital	EHF Bulgaria E	EHF Bulgaria E		Sum Users		Total sum	comments
3270 - Rivers with muddy banks with Chenopodion rubri p.p. and Bidention p.p. vegetation	3270	165	Rivers & lakes				1			1	1	1				1			5									0		5	
6120 - Xeric and calcarious grasslands	6120	133	Grasslands		1						1						1		3			1						1		4	
9160 - Sub-Atlantic and medio-European oak or oak-hornbeam forests of the Carpinion betuli	9160	99	Forests				1			1			1						3									0		3	
6430 - Hydrophilous tall herb fringe communities of plains and of the montane to alpine levels	6430	169	Grasslands				1						1						2		1							1		3	
6110 - Rupicolous calcareous or basophilic grasslands of the Alysso-Sedion albi	6110	168	Sparsely vegetated land							1		1							2			1						1		3	
7210 - Calcareous fens with Cladium mariscus and species of the Caricion davallianae	7210	165	Mires & bogs									1			1				2									0		2	
6520 - Mountain hay meadows	6520	162	Grasslands		1						1								2		1	1	1	1				4		6	
9170 - Galio-Carpinetum oak-hornbeam forests	9170	150	Forests					1			1								2		1							1		3	
9180 - Tilio- Acerion forests of slopes, screes and ravines	9180	132	Forests													1	1		2									0		2	
8310 - Caves not open to the public	8310	120	Sparsely vegetated land				1						1						2									0		2	
1340* - Inland salt meadows-problematic protection of this habitat because of is marginal occurrence	1340	98	Grasslands					1		1									2									0		2	
6440 - Alluvial meadows of river valleys of the Cnidion dubii	6440	98	Grasslands				1				1								2									0		2	
91I0 - Euro-Siberian steppic woods with Quercus spp.	91I0	45	Forests											1	1				2						1			1		3	
91H0 - Pannonian woods with Quercus pubescens	91H0	30	Forests			1									1				2						1			1		3	
40C0 - Ponto-Sarmatic deciduous thickets	40C0	#N/A	Heaths & scrubs												1				1						1			1		2	
91AA - Eastern white oak woods	91AA	#N/A	Forests			1													1						1	1		2		3	
6210 - Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia)	6210	351	Grasslands					1											1						1			1		2	
1220 - Perennial vegetation of stony banks	1220	176	Marine						1										1									0		1	DK: Coastal squeeze
1330 - Atlantic Salt Marshes	1330	156	Marine						1										1									0		1	DK: Coastal squeeze
2330 - Inland dunes with open Corynephorus and Agrostis grasslands	2330	144	Grasslands											1					1			1						1		2	
7120 - Degraded raised bogs still capable of natural regeneration	7120	128	Mires & bogs					1											1		1		1					2		3	
4010 - Northern Atlantic wet heaths with Erica tetralix	4010	102	Heaths & scrubs		1														1									0		1	
9190 - Old acidophilous oak woods with Quercus robur on sandy plains	9190	96	Forests		1														1									0		1	
1150 - Coastal lagoons	1150	66	Marine														1		1									0		1	
2130 - Fixed dunes with herbaceous vegetation	2130	55	Grasslands														1		1									0		1	
1210 - Annual vegetation of stony banks	1210	42	Marine						1										1									0		1	DK: Coastal squeeze
6240 - Sub-Pannonic steppic grasslands	6240	40	Grasslands												1				1						1			1		2	
92A0 - Salix alba and Populus alba galleries	92A0	24	Forests			1													1						1	1		2		3	
91T0 - Central European lichen Scots pine forests	91T0	18	Forests											1					1									0		1	
1530 - Pannonic salt steppes and salt marshes	1530	15	Grasslands			1													1						1	1		2		3	
91U0 - Sarmatic steppe pine fores	91U0	10	Forests					1											1									0		1	
6260 - Pannonic sand steppes	6260	6	Grasslands			1													1						1	1		2		3	
9560 * Endemic forests with Juniperus spp.	9560	#N/A	Forests																0						1			1		1	
91M0 - Pannonian-Balkanic turkey oak –sessile oak forests	91M0	#N/A	Forests																0						1	1		2		2	
91Z0 Moesian Silver lime woods	91Z0	#N/A	Forests																0						1			1		1	
6230 - Species-rich Nardus grasslands, on silicious substrates in mountain areas (and submountain areas in Continental Europe	6230	275	Grasslands																0					1				1		1	
5130 - Juniperus communis formations on heaths or calcareous grasslands	5130	216	Heaths & scrubs																0				1					1		1	
8230 - Siliceous rock with pioneer vegetation of the Sedo-Scleranthion or of the Sedo albi-Veronicion dillenii	8230	110	Sparsely vegetated land																0			1						1		1	
6220 - Pseudo-steppe with grasses and annuals of the Thero-Brachypodietea	6220	12	Grasslands																0					1				1		1	
2310 - Dry sand heaths with calluna and genista	2310	10	Heaths & scrubs																0				1					1		1	
2340 - Pannonic inland dunes	2340	6	Grasslands																0						1			1		1	
6250 * Pannonic loess steppic grasslands	6250	6	Grasslands																0						1			1		1	
6150 - Siliceous alpine and boreal grasslands in Appennine	6150	3	Grasslands																0					1				1		1	

Table 13 Selection details for the species proposed for consideration within the Continental NBP whose conservation is linked to the management of the selected habitats

Species	N2K code	ETC BD score	Habitat group	Habitat group 2	Austria	Belgium	Bulgaria	Croatia	Czech Republic	Denmark	France	Germany	Italy	Luxembourg	Poland	Romania	Sweden		Sum MS		EHF / BCE	N2K Users	EHF / Germany	EHF / BCE / Ital	EHF Bulgaria E	EHF Bulgaria E		Sum Users		Total sum	comments
1029 Margaritifera margaritifera (1029, II, IV)	1029	224	Rivers & lakes			1					1	1							3									0		3	D: Rivers & creeks coherence
1059 Maculinea teleius (1059, II, IV)	1059	176	Mires & bogs	Grasslands				1	1			1							3		1			1				2		5	D: Extensively managed grasslands
1032 Unio crasssus (1032, II, IV)	1032	348	Rivers & lakes									1		1					2									0		2	D: Rivers & creeks coherence
1084 Osmoderma eremita (1084, II*, IV)	1084	297	Forests						1			1							2									0		2	D: Forest dead wood
1193 Bombina variegata (1193, II, IV)	1193	220	Mires & bogs	Forests							1	1							2									0		2	D: Lakes and ponds coherence
1363 Felis silvestris (1363, IV)	1363	126	Heaths & scrubs	Forests								1		1					2									0		2	D: Forest coherence
A060 Aythya nyroca (A060-B)	A060							1				1							2									0		2	D: Lakes and ponds coherence
1058 Maculinea arion (1058, IV)	1058	444	Sparsely vegetated land	Grasslands								1							1			1						1		2	D: Extensively managed grasslands
1065 Euphydryas aurinia (1065, II)	1065	416	Mires & bogs	Grasslands								1							1		1	1						2		3	D: Extensively managed grasslands
1203 Hyla arborea (1203, IV)	1203	275	Rivers & lakes	Mires & bogs								1							1									0		1	D: Lakes and ponds coherence
1202 Bufo calamita (1202, IV)	1202	270	Mires & bogs									1							1									0		1	D: Lakes and ponds coherence
1308 Barbastella barbastellus (1308, II, IV)	1308	260	Heaths & scrubs	Forests								1							1									0		1	D: Forest dead wood
1166 Triturus cristatus	1166	253	Mires & bogs	Forests		1													1									0		1	
1283 Coronella austriaca (1283, IV)	1283	242	Sparsely vegetated land	Heaths & scrubs								1							1									0		1	D: Extensively managed grasslands
1304 Rhinolophus ferrumequinum	1304	209	Heaths & scrubs	Forests										1					1									0		1	
1323 Myotis bechsteinii (1323, II, IV)	1323	180	Heaths & scrubs	Forests								1							1									0		1	D: Forest dead wood
1188 Bombina bombina (1188, II, IV)	1188	171	Mires & bogs	Forests								1							1									0		1	D: Lakes and ponds coherence
1339 Cricetus cricetus (1339, IV)	1339	160	Grasslands									1							1									0		1	D: Extensively managed cropland
1083 Lucanus cervus annex 2 habitats	1083	154	Forests			1													1									0		1	
1355 Lutra lutra (1355, II, IV)	1355	154	Rivers & lakes	Mires & bogs								1							1									0		1	D: Rivers & creeks coherence
1214 Rana arvalis (1214, IV)	1214	152	Mires & bogs	Forests								1							1									0		1	D: Lakes and ponds coherence
1061 Maculinea nausithous	1061	144	Mires & bogs	Grasslands							1								1									0		1	
1037 Ophiogomphus cecilia	1037	140	Rivers & lakes	Mires & bogs									1						1									0		1	
1088 Cerambyx cerdo (1088, II, IV)	1088	135	Forests									1							1									0		1	D: Forest dead wood
1093 Austropotamobius torrentium (1093, II, IV)	1093	128	Rivers & lakes	Mires & bogs								1							1									0		1	D: Rivers & creeks coherence
1361 Lynx lynx (1361, II, IV)	1361	126	Forests									1							1									0		1	D: Forest coherence
1163 European bullhead Cottus gobio Habitat Directive	1163	120	Rivers & lakes				1												1							1		1		2	
1428 Marsilea quadrifolia	1428	105	Rivers & lakes	Mires & bogs									1						1									0		1	
1106 Salmo salar (1106, II, IV)	1106	91	Rivers & lakes									1							1									0		1	D: Rivers & creeks coherence
4068 Adenophora lilifolia	4068	65	Forests													1			1									0		1	
1335 European ground squirel Spermophilus citellus Habitat Directive	1335	55	Grasslands				1												1							1		1		2	
1105 Hucho hucho (1105, II, IV)	1105	40	Rivers & lakes									1							1									0		1	D: Rivers & creeks coherence
1114 Rutilus pigus	1114	36	Rivers & lakes										1						1									0		1	
2511 Gobio kessleri	2511	25	Rivers & lakes													1			1									0		1	
1993 Triturus dobrogicus	1993	18	Mires & bogs	Forests												1			1									0		1	
2011 Umbra krameri	2011	15	Rivers & lakes					1											1									0		1	
1091 Astacus astacus (1091, V)	1091											1							1									0		1	D: Rivers & creeks coherence
1109 Thymallus thymallus (1109, V)	1109											1							1									0		1	D: Rivers & creeks coherence
1762 Arnica montana (1762, V)	1762											1							1									0		1	D: Extensively managed grasslands
A030-B Ciconia nigra (A030-B, I)	A030											1							1									0		1	D: Forest coherence
A055 Anas querquedula (A055)	A055											1							1									0		1	D: Lakes and ponds coherence
A074 Milvus milvus (A074, I)	A074											1							1									0		1	D: Extensively managed grasslands
A089 Aquila pomarina (A089, I)	A089											1							1									0		1	D: Forest coherence
A122 Crex crex (A122, I)	A122											1							1									0		1	D: Extensively managed grasslands
A168 Actitis hypoleucos (A168)	A168											1							1									0		1	D: Rivers & creeks coherence
A229 Alcedo atthis (A229, I)	A229											1							1									0		1	D: Rivers & creeks coherence
A231 Coracias garrulus	A231														1				1									0		1	
A236 Dryocopus martius (A 236, I)	A236											1							1									0		1	D: Forest dead wood
A238 Dendrocopus medius (A238, I)	A238											1							1									0		1	D: Forest dead wood
A239 Dendrocopos leucotos White backed woodpecker Bird Directive	A239						1												1							1		1		2	
A241 Picoides tridactylus (A241, I)	A241											1							1									0		1	D: Forest dead wood
A247 Alauda arvensis (A247)	A247											1							1									0		1	D: Extensively managed grasslands
A264 Cinclus cinclus (A264)	A264											1							1									0		1	D: Rivers & creeks coherence
A409 Tetrao tetrix	A409														1				1									0		1	
A644 Perdix perdix (A644, II/1)	A644											1							1									0		1	D: Extensively managed cropland
A688 Botaurus stellaris (A688-B, I)	A688											1							1									0		1	D: Lakes and ponds coherence
A719 Porzana parva (A719, I)	A719											1							1									0		1	D: Lakes and ponds coherence
A768 Numenius arquata (A768)	A768											1							1									0		1	D: Extensively managed grasslands
1056 Parnassius mnemosyne - Annex IV	1056	207	Heaths & scrubs	Grasslands															0			1						1		1	
1052 Hypodryas maturna	1052	144	Forests																0		1							1		1	
1060 Lycaena dispar (II, IV DH) (habitat 6430)	1060	99	Mires & bogs	Grasslands															0					1				1		1	
1071 Coenonympha oedippus (II, IV DH); (habitat 6410)	1071	75	Mires & bogs	Grasslands															0					1				1		1	