



Natura 2000 Biogeographical Process Continental, Pannonian, Black Sea and Steppic Regions

List of habitats selected for priority consideration

Fourth draft habitat selection document

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An initiative
of the





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1 Habitat selection

This is a revised version of the habitat selection document for the Continental, Pannonian, Black Sea and Steppic Biogeographical regions. Table 1 presents the new list on the basis of feedback from the first Steering Committee meeting that took place in Brussels on 5 March 2014 and of a subsequent email consultation among members of the Steering Committee which took place between 4 and mid June 2014¹.

Table 1 New list of 59 habitats selected for priority consideration within the Continental, Pannonian, Black Sea and Steppic regions

Habitat
8310 - Caves not open to the public
COASTAL²
1310 - Salicornia and other annuals colonizing mud and sand
1150 - Coastal lagoons
1210 - Annual vegetation of stony banks
1130 - Estuaries
2110 - Embryonic shifting dunes
2130 *Fixed coastal dunes with herbaceous vegetation (grey dunes)
2190 - Humid dune slacks
1410 - Mediterranean salt meadows (<i>Juncetalia maritimi</i>)
1240 - Vegetated sea cliffs of the Mediterranean coasts with endemic <i>Limonium</i> spp.
WOODLAND AND FOREST
9110 - Luzulo-Fagetum beech forests
91E0 - Alluvial forests with <i>Alnus glutinosa</i> and <i>Fraxinus excelsior</i> (<i>Alno-Padion</i> , <i>Alnion incanae</i> , <i>Salicion albae</i>)
9180 - <i>Tilio-Acerion</i> forests of slopes, screes and ravines
91D0 - Bog woodland
91F0 - Riparian mixed forests of <i>Quercus robur</i> , <i>Ulmus laevis</i> and <i>Ulmus minor</i> , <i>Fraxinus excelsior</i> or <i>Fraxinus angustifolia</i> , along the great rivers (<i>Ulmion minoris</i>)
9160 - Sub-Atlantic and medio-European oak or oak-hornbeam forests of the <i>Carpinion betuli</i>
9170 - <i>Galio-Carpinetum</i> oak-hornbeam forests
91H0 Pannonian woods with <i>Quercus pubescens</i>
92A0 - <i>Salix alba</i> and <i>Populus alba</i> galleries

¹ The earlier documents informing the selection process are the “Draft Pre-scoping Document” prepared by the European Topic Centre on Biological Diversity and two versions of the habitat selection document prepared by the contractor based on an online consultation of the Steering Committee members. All documents related to the Continental habitat selection can be consulted online on CIRCA BC and on the Natura 2000 Platform: http://ec.europa.eu/environment/nature/natura2000/platform/knowledge_exchange/28_document_library_en.htm

² In this document the habitat groups follow the typology proposed by the MAES working group which is increasingly being used in the work of the ETC BD to increase consistency between the various processes contributing to the implementation of the EU Biodiversity Strategy (see Draft pre-scoping document).

91I0 - Euro-Siberian steppic woods with <i>Quercus</i> spp.
91G0 - Pannonic woods with <i>Quercus petraea</i> and <i>Carpinus betulus</i>
91M0 - Pannonian-Balkan turkey oak –sessile oak forests
91AA - Eastern white oak woods
92D0 - Southern riparian galleries and thickets (<i>Nerio-Tamaricetea</i> and <i>Securinegion tinctoriae</i>)
GRASSLAND
6210 - Semi-natural dry grasslands and scrubland facies on calcareous substrates (<i>Festuco-Brometalia</i>) (* important orchid sites)
6230 - Species-rich <i>Nardus</i> grasslands, on silicious substrates in mountain areas (and submountain areas in Continental Europe)
6410 - <i>Molinia</i> meadows on calcareous, peaty or clayey-silt-laden soils (<i>Molinion caeruleae</i>)
6430 - Hydrophilous tall herb fringe communities of plains and of the montane to alpine levels
6110 - Rupicolous calcareous or basophilic grasslands of the <i>Alyso-Sedion albi</i>
6510 - Lowland hay meadows (<i>Alopecurus pratensis</i> , <i>Sanguisorba officinalis</i>)
6520 - Mountain hay meadows
6120 - Xeric and calcareous grasslands
6440 - Alluvial meadows of river valleys of the <i>Cnidion dubii</i>
2330 - Inland dunes with open <i>Corynephorus</i> and <i>Agrostis</i> grasslands
1340* - Inland salt meadows
6240 - Sub-Pannonic steppic grasslands
1530 - Pannonic salt steppes and salt marshes
2340 - Pannonic inland dunes
6250 - Pannonic loess steppic grasslands
6260 - Pannonic sand steppes
6420 - Mediterranean tall humid grasslands of the <i>Molinio-Holoschoenion</i>
62C0 - Ponto-Sarmatic steppes
HEATHLAND AND SCRUB
4030 - European dry heaths
5130 - <i>Juniperus communis</i> formations on heaths or calcareous grasslands
40A0 - Subcontinental peri-Pannonic scrub
40C0 - Ponto-Sarmatic deciduous thickets
WETLANDS
7140 - Transition mires and quaking bogs
7220 - Petrifying springs with tufa formation (<i>Cratoneurion</i>)
7230 - Alkaline fens
7110 - Active raised bogs
7210 - Calcareous fens with <i>Cladium mariscus</i> and species of the <i>Caricion davallianae</i>
7150 - Depressions on peat substrates of the <i>Rhynchosporion</i>
7120 - Degraded raised bogs still capable of natural regeneration
RIVERS AND LAKES
3130 - Oligotrophic to mesotrophic standing waters with vegetation of the <i>Littorelletea uniflorae</i> and/or of the <i>Isoëto-Nanojuncetea</i>
3150 - Natural eutrophic lakes with <i>Magnopotamion</i> or <i>Hydrocharition</i> - type vegetation
3260 - Water courses of plain to montane levels with the <i>Ranunculion fluitantis</i> and <i>Callitricho-Batrachion</i> vegetation

3140 - Hard oligo-mesotrophic waters with benthic vegetation of Chara spp.
3160 - Natural dystrophic lakes and ponds
3270 - Rivers with muddy banks with Chenopodium rubri p.p. and Bidention p.p. Vegetation

2 Species and issues selection

Lists of species and issues associated with the selected habitats are given as context for the expert input. It should be reminded that the primary focus of the Natura biogeographical process is on the habitats selected for priority consideration as presented in table 1. The species and issues proposed by the member state experts as part of the consultation should serve as indicative reference and additional context to the provision of feedback on the habitats.

2.1. Species selection

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 2. 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 2 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 <i>Margaritifera margaritifera</i> (1029, II, IV)	1029	224	Rivers & lakes		3	0	3
1059 <i>Maculinea teleius</i> (1059, II, IV)	1059	176	Mires & bogs	Grasslands	3	2	5
1032 <i>Unio crassus</i> (1032, II, IV)	1032	348	Rivers & lakes		2	0	2
1084 <i>Osmoderma eremita</i> (1084, II*, IV)	1084	297	Forests		2	0	2
1193 <i>Bombina variegata</i> (1193, II, IV)	1193	220	Mires & bogs	Forests	2	0	2
1363 <i>Felis silvestris</i> (1363, IV)	1363	126	Heaths & scrubs	Forests	2	0	2
A060 <i>Aythya nyroca</i> (A060-B)	A060				2	0	2
1058 <i>Maculinea arion</i> (1058, IV)	1058	444	Sparsely vegetated land	Grasslands	1	1	2
1065 <i>Euphydryas aurinia</i> (1065, II)	1065	416	Mires & bogs	Grasslands	1	2	3
1203 <i>Hyla arborea</i> (1203, IV)	1203	275	Rivers & lakes	Mires & bogs	1	0	1
1202 <i>Bufo calamita</i> (1202, IV)	1202	270	Mires & bogs		1	0	1
1308 <i>Barbastella barbastellus</i> (1308, II, IV)	1308	260	Heaths & scrubs	Forests	1	0	1
1166 <i>Triturus cristatus</i>	1166	253	Mires & bogs	Forests	1	0	1
1283 <i>Coronella austriaca</i> (1283, IV)	1283	242	Sparsely vegetated land	Heaths & scrubs	1	0	1
1304 <i>Rhinolophus ferrumequinum</i>	1304	209	Heaths & scrubs	Forests	1	0	1
1323 <i>Myotis bechsteinii</i> (1323, II, IV)	1323	180	Heaths & scrubs	Forests	1	0	1
1188 <i>Bombina bombina</i> (1188, II, IV)	1188	171	Mires & bogs	Forests	1	0	1
1339 <i>Cricetus cricetus</i> (1339, IV)	1339	160	Grasslands		1	0	1
1083 <i>Lucanus cervus annex 2 habitats</i>	1083	154	Forests		1	0	1
1355 <i>Lutra lutra</i> (1355, II, IV)	1355	154	Rivers & lakes	Mires & bogs	1	0	1
1214 <i>Rana avalis</i> (1214, IV)	1214	152	Mires & bogs	Forests	1	0	1
1061 <i>Maculinea nausithous</i>	1061	144	Mires & bogs	Grasslands	1	0	1
1037 <i>Ophiogomphus cecilia</i>	1037	140	Rivers & lakes	Mires & bogs	1	0	1
1088 <i>Cerambyx cerdo</i> (1088, II, IV)	1088	135	Forests		1	0	1
1093 <i>Austropotamobius torrentium</i> (1093, II, IV)	1093	128	Rivers & lakes	Mires & bogs	1	0	1
1361 <i>Lynx lynx</i> (1361, II, IV)	1361	126	Forests		1	0	1
1163 European bullhead <i>Cottus gobio</i> Habitat Directive	1163	120	Rivers & lakes		1	1	2
1428 <i>Marsilea quadrifolia</i>	1428	105	Rivers & lakes	Mires & bogs	1	0	1
1106 <i>Salmo salar</i> (1106, II, IV)	1106	91	Rivers & lakes		1	0	1
4068 <i>Adenophora lilifolia</i>	4068	65	Forests		1	0	1
1335 European ground squirrel <i>Spermophilus citellus</i> Habitat Directive	1335	55	Grasslands		1	1	2
1105 <i>Hucho hucho</i> (1105, II, IV)	1105	40	Rivers & lakes		1	0	1
1114 <i>Rutilus pigus</i>	1114	36	Rivers & lakes		1	0	1
2511 <i>Gobio kessleri</i>	2511	25	Rivers & lakes		1	0	1
1993 <i>Triturus dobrogicus</i>	1993	18	Mires & bogs	Forests	1	0	1
2011 <i>Umbra krameri</i>	2011	15	Rivers & lakes		1	0	1
1091 <i>Astacus astacus</i> (1091, V)	1091				1	0	1
1109 <i>Thymallus thymallus</i> (1109, V)	1109				1	0	1
1762 <i>Amica montana</i> (1762, V)	1762				1	0	1
A030-B <i>Ciconia nigra</i> (A030-B, I)	A030				1	0	1
A055 <i>Anas querquedula</i> (A055)	A055				1	0	1
A074 <i>Milvus milvus</i> (A074, I)	A074				1	0	1
A089 <i>Aquila pomarina</i> (A089, I)	A089				1	0	1
A122 <i>Crex crex</i> (A122, I)	A122				1	0	1
A168 <i>Actitis hypoleucos</i> (A168)	A168				1	0	1
A229 <i>Alcedo atthis</i> (A229, I)	A229				1	0	1
A231 <i>Coracias garrulus</i>	A231				1	0	1
A236 <i>Dryocopus martius</i> (A 236, I)	A236				1	0	1
A238 <i>Dendrocopos medius</i> (A238, I)	A238				1	0	1
A239 <i>Dendrocopos leucotos</i> White backed woodpecker Bird Directive	A239				1	1	2
A241 <i>Picoides tridactylus</i> (A241, I)	A241				1	0	1
A247 <i>Alauda arvensis</i> (A247)	A247				1	0	1
A264 <i>Cinclus cinclus</i> (A264)	A264				1	0	1
A409 <i>Tetrao tetrix</i>	A409				1	0	1
A644 <i>Perdix perdix</i> (A644, II/1)	A644				1	0	1
A688 <i>Botaurus stellaris</i> (A688-B, I)	A688				1	0	1
A719 <i>Porzana parva</i> (A719, I)	A719				1	0	1
A768 <i>Numenius arquata</i> (A768)	A768				1	0	1
1056 <i>Parnassius mnemosyne</i> - Annex IV	1056	207	Heaths & scrubs	Grasslands	0	1	1
1052 <i>Hypodryas maturna</i>	1052	144	Forests		0	1	1
1060 <i>Lycaena dispar</i> (II, IV DH) (habitat 6430)	1060	99	Mires & bogs	Grasslands	0	1	1
1071 <i>Coenonympha oedippus</i> (II, IV DH); (habitat 6410)	1071	75	Mires & bogs	Grasslands	0	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 3 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 - <i>Cerambyx cerdo</i> (Annex II)	135	Forests	1				1
1335 - <i>Spermophilus citellus</i>	44	Grasslands			1		1
4013 - <i>Carabus hungaricus</i> (Annex II)	24	Grasslands	1				1
4096 - <i>Gladiolus palustris</i>	21	Mires & bogs; Grass			1		1
4067 <i>Echium russicum</i> - ecology, biology and taxonomy	18	Grasslands				1	1
1902 - <i>Cypripedium calceolus</i> (Annex II)	12	Forests	1				1
2011 - <i>Umbra krameri</i>	12	Rivers & lakes			1		1
4104 <i>Himantoglossum adriaticum</i> - ecology, biology and taxonomy	10	Grasslands				1	1
2120 <i>Thlaspi jankae</i> - 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

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

2.2. Management and conservation issues

Continental management and conservation issues

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 5 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

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 6 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 specific (small-scale) management types	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 7 Habitat management and conservation issues for priority consideration within the Black 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