

▼ **M3***ANNEX I***NATURAL HABITAT TYPES OF COMMUNITY INTEREST WHOSE CONSERVATION REQUIRES THE DESIGNATION OF SPECIAL AREAS OF CONSERVATION****Interpretation**

Guidance on the interpretation of habitat types is given in the 'Interpretation Manual of European Union Habitats' as approved by the committee set up under Article 20 ('Habitats Committee') and published by the European Commission ⁽¹⁾.

The code corresponds to the NATURA 2000 code.

The sign '**' indicates priority habitat types.

1. COASTAL AND HALOPHYTIC HABITATS**11. Open sea and tidal areas**

- 1110 Sandbanks which are slightly covered by sea water all the time
- 1120 * *Posidonia* beds (*Posidonium oceanicae*)
- 1130 Estuaries
- 1140 Mudflats and sandflats not covered by seawater at low tide
- 1150 * Coastal lagoons
- 1160 Large shallow inlets and bays
- 1170 Reefs
- 1180 Submarine structures made by leaking gases

12. Sea cliffs and shingle or stony beaches

- 1210 Annual vegetation of drift lines
- 1220 Perennial vegetation of stony banks
- 1230 Vegetated sea cliffs of the Atlantic and Baltic Coasts
- 1240 Vegetated sea cliffs of the Mediterranean coasts with endemic *Limonium* spp.
- 1250 Vegetated sea cliffs with endemic flora of the Macaronesian coasts

13. Atlantic and continental salt marshes and salt meadows

- 1310 *Salicornia* and other annuals colonizing mud and sand
- 1320 *Spartina* swards (*Spartinion maritimae*)
- 1330 Atlantic salt meadows (*Glauco-Puccinellietalia maritimae*)
- 1340 * Inland salt meadows

14. Mediterranean and thermo-Atlantic salt marshes and salt meadows

- 1410 Mediterranean salt meadows (*Juncetalia maritimi*)
- 1420 Mediterranean and thermo-Atlantic halophilous scrubs (*Sarcocornetea fruticosi*)
- 1430 Halo-nitrophilous scrubs (*Pegano-Salsoletea*)

15. Salt and gypsum inland steppes

- 1510 * Mediterranean salt steppes (*Limonietalia*)
- 1520 * Iberian gypsum vegetation (*Gypsophiletalia*)
- 1530 * Pannonic salt steppes and salt marshes

⁽¹⁾ 'Interpretation Manual of European Union Habitats', version EUR 15/2" adopted by the Habitats Committee on 4 October 1999 and 'Amendments to the "Interpretation Manual of European Union Habitats" with a view to EU enlargement' (Hab. 01/11b-rev. 1) adopted by the Habitats Committee on 24 April 2002 after written consultation, European Commission, Directorate General for Environment.

▼ **M3****16. Boreal Baltic archipelago, coastal and landupheaval areas**

- 1610 Baltic esker islands with sandy, rocky and shingle beach vegetation and sublittoral vegetation
- 1620 Boreal Baltic islets and small islands
- 1630 * Boreal Baltic coastal meadows
- 1640 Boreal Baltic sandy beaches with perennial vegetation
- 1650 Boreal Baltic narrow inlets

2. COASTAL SAND DUNES AND INLAND DUNES

21. Sea dunes of the Atlantic, North Sea and Baltic coasts

- 2110 Embryonic shifting dunes
- 2120 Shifting dunes along the shoreline with *Ammophila arenaria* ('white dunes')
- 2130 * Fixed coastal dunes with herbaceous vegetation ('grey dunes')
- 2140 * Decalcified fixed dunes with *Empetrum nigrum*
- 2150 * Atlantic decalcified fixed dunes (*Calluno-Ulicetea*)
- 2160 Dunes with *Hippophaë rhamnoides*
- 2170 Dunes with *Salix repens* ssp. *argentea* (*Salicion arenariae*)
- 2180 Wooded dunes of the Atlantic, Continental and Boreal region
- 2190 Humid dune slacks
- 21A0 Machairs (* in Ireland)

22. Sea dunes of the Mediterranean coast

- 2210 *Crucianellion maritimae* fixed beach dunes
- 2220 Dunes with *Euphorbia terracina*
- 2230 *Malcolmietalia* dune grasslands
- 2240 *Brachypodietalia* dune grasslands with annuals
- 2250 * Coastal dunes with *Juniperus* spp.
- 2260 *Cisto-Lavenduletalia* dune sclerophyllous scrubs
- 2270 * Wooded dunes with *Pinus pinea* and/or *Pinus pinaster*

23. Inland dunes, old and decalcified

- 2310 Dry sand heaths with *Calluna* and *Genista*
- 2320 Dry sand heaths with *Calluna* and *Empetrum nigrum*
- 2330 Inland dunes with open *Corynephorus* and *Agrostis* grasslands
- 2340 * Pannonic inland dunes

3. FRESHWATER HABITATS

31. Standing water

- 3110 Oligotrophic waters containing very few minerals of sandy plains (*Littorelletalia uniflorae*)
- 3120 Oligotrophic waters containing very few minerals generally on sandy soils of the West Mediterranean, with *Isoetes* spp.
- 3130 Oligotrophic to mesotrophic standing waters with vegetation of the *Littorelletea uniflorae* and/or of the *Isoëto-Nanojuncetea*
- 3140 Hard oligo-mesotrophic waters with benthic vegetation of *Chara* spp.
- 3150 Natural eutrophic lakes with *Magnopotamion* or *Hydrocharition* — type vegetation
- 3160 Natural dystrophic lakes and ponds
- 3170 * Mediterranean temporary ponds
- 3180 * Turloughs

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- 3190 Lakes of gypsum karst
- 31A0 * Transylvanian hot-spring lotus beds
- 32. Running water — sections of water courses with natural or semi-natural dynamics (minor, average and major beds) where the water quality shows no significant deterioration**
- 3210 Fennoscandian natural rivers
- 3220 Alpine rivers and the herbaceous vegetation along their banks
- 3230 Alpine rivers and their ligneous vegetation with *Myricaria germanica*
- 3240 Alpine rivers and their ligneous vegetation with *Salix elaeagnos*
- 3250 Constantly flowing Mediterranean rivers with *Glaucium flavum*
- 3260 Water courses of plain to montane levels with the *Ranunculion fluitantis* and *Callitricho-Batrachion* vegetation
- 3270 Rivers with muddy banks with *Chenopodium rubri* p.p. and *Bidention* p.p. vegetation
- 3280 Constantly flowing Mediterranean rivers with *Paspalo-Agrostidion* species and hanging curtains of *Salix* and *Populus alba*
- 3290 Intermittently flowing Mediterranean rivers of the *Paspalo-Agrostidion*
4. TEMPERATE HEATH AND SCRUB
- 4010 Northern Atlantic wet heaths with *Erica tetralix***
- 4020 * Temperate Atlantic wet heaths with *Erica ciliaris* and *Erica tetralix*
- 4030 European dry heaths
- 4040 * Dry Atlantic coastal heaths with *Erica vagans*
- 4050 * Endemic macaronesian heaths
- 4060 Alpine and Boreal heaths
- 4070 * Bushes with *Pinus mugo* and *Rhododendron hirsutum* (*Mugo-Rhododendretum hirsuti*)
- 4080 Sub-Arctic *Salix* spp. Scrub
- 4090 Endemic oro-Mediterranean heaths with gorse
- 40A0 * Subcontinental peri-Pannonic scrub
- 40B0 Rhodope *Potentilla fruticosa* thickets
- 40C0 * Ponto-Sarmatic deciduous thickets
5. SCLEROPHYLLOUS SCRUB (MATORRAL)
- 51. Sub-Mediterranean and temperate scrub**
- 5110 Stable xerothermophilous formations with *Buxus sempervirens* on rock slopes (*Berberidion* p.p.)
- 5120 Mountain *Cytisus purgans* formations
- 5130 *Juniperus communis* formations on heaths or calcareous grasslands
- 5140 * *Cistus palhinhae* formations on maritime wet heaths
- 52. Mediterranean arborescent matorral**
- 5210 Arborescent matorral with *Juniperus* spp.
- 5220 * Arborescent matorral with *Zyziphus*
- 5230 * Arborescent matorral with *Laurus nobilis*
- 53. Thermo-Mediterranean and pre-steppe brush**
- 5310 *Laurus nobilis* thickets
- 5320 Low formations of Euphorbia close to cliffs
- 5330 Thermo-Mediterranean and pre-desert scrub

▼ **M3****54. Phrygana**

- 5410 West Mediterranean cliff-top phryganas (*Astragalo-Plantagnetum subulatae*)
- 5420 *Sarcopoterium spinosum* phryganas
- 5430 Endemic phryganas of the *Euphorbio-Verbascion*

6. NATURAL AND SEMI-NATURAL GRASSLAND FORMATIONS

61. Natural grasslands

- 6110 * Rupicolous calcareous or basophilic grasslands of the *Alysso-Sedion albi*
- 6120 * Xeric sand calcareous grasslands
- 6130 Calaminarian grasslands of the *Violetalia calaminariae*
- 6140 Siliceous Pyrenean *Festuca eskia* grasslands
- 6150 Siliceous alpine and boreal grasslands
- 6160 Oro-Iberian *Festuca indigesta* grasslands
- 6170 Alpine and subalpine calcareous grasslands
- 6180 Macaronesian mesophile grasslands
- 6190 Rupicolous pannonic grasslands (*Stipo-Festucetalia pallentis*)

62. Semi-natural dry grasslands and scrubland facies

- 6210 Semi-natural dry grasslands and scrubland facies on calcareous substrates (*Festuco-Brometalia*) (* important orchid sites)
- 6220 * Pseudo-steppe with grasses and annuals of the *Thero-Brachypodietea*
- 6230 * Species-rich *Nardus* grasslands, on silicious substrates in mountain areas (and submountain areas in Continental Europe)
- 6240 * Sub-Pannonic steppic grasslands
- 6250 * Pannonic loess steppic grasslands
- 6260 * Pannonic sand steppes
- 6270 * Fennoscandian lowland species-rich dry to mesic grasslands
- 6280 * Nordic alvar and precambrian calcareous flatrocks
- 62A0 Eastern sub-Mediterranean dry grasslands (*Scorzoneratalia villosae*)
- 62B0 * Serpentinophilous grassland of Cyprus
- 62C0 * Ponto-Sarmatic steppes
- 62D0 Oro-Moesian acidophilous grasslands

63. Sclerophilous grazed forests (dehesas)

- 6310 Dehesas with evergreen *Quercus* spp.

64. Semi-natural tall-herb humid meadows

- 6410 *Molinia* meadows on calcareous, peaty or clayey-silt-laden soils (*Molinion caeruleae*)
- 6420 Mediterranean tall herb humid grasslands of the *Molinio-Holoschoenion*
- 6430 Hydrophilous tall herb fringe communities of plains and of the montane to alpine levels
- 6440 Alluvial meadows of river valleys of the *Cnidion dubii*
- 6450 Northern boreal alluvial meadows
- 6460 Peat grasslands of Troodos

65. Mesophile grasslands

- 6510 Lowland hay meadows (*Alopecurus pratensis*, *Sanguisorba officinalis*)
- 6520 Mountain hay meadows
- 6530 * Fennoscandian wooded meadows

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7. RAISED BOGS AND MIRES AND FENS

71. Sphagnum acid bogs

- 7110 * Active raised bogs
- 7120 Degraded raised bogs still capable of natural regeneration
- 7130 Blanket bogs (* if active bog)
- 7140 Transition mires and quaking bogs
- 7150 Depressions on peat substrates of the *Rhynchosporion*
- 7160 Fennoscandian mineral-rich springs and springfens

72. Calcareous fens

- 7210 * Calcareous fens with *Cladium mariscus* and species of the *Caricion davallianae*
- 7220 * Petrifying springs with tufa formation (*Cratoneurion*)
- 7230 Alkaline fens
- 7240 * Alpine pioneer formations of the *Caricion bicoloris-atrofuscae*

73. Boreal mires

- 7310 * Aapa mires
- 7320 * Palsa mires

8. ROCKY HABITATS AND CAVES

81. Scree

- 8110 Siliceous scree of the montane to snow levels (*Androsacetalia alpinae* and *Galeopsietalia ladani*)
- 8120 Calcareous and calcshist screes of the montane to alpine levels (*Thlaspietea rotundifolii*)
- 8130 Western Mediterranean and thermophilous scree
- 8140 Eastern Mediterranean screes
- 8150 Medio-European upland siliceous screes
- 8160 * Medio-European calcareous scree of hill and montane levels

82. Rocky slopes with chasmophytic vegetation

- 8210 Calcareous rocky slopes with chasmophytic vegetation
- 8220 Siliceous rocky slopes with chasmophytic vegetation
- 8230 Siliceous rock with pioneer vegetation of the *Sedo-Scleranthion* or of the *Sedo albi-Veronicion dillenii*
- 8240 * Limestone pavements

83. Other rocky habitats

- 8310 Caves not open to the public
- 8320 Fields of lava and natural excavations
- 8330 Submerged or partially submerged sea caves
- 8340 Permanent glaciers

9. FORESTS

(Sub)natural woodland vegetation comprising native species forming forests of tall trees, with typical undergrowth, and meeting the following criteria: rare or residual, and/or hosting species of Community interest

90. Forests of Boreal Europe

- 9010 * Western Taiga
- 9020 * Fennoscandian hemiboreal natural old broad-leaved deciduous forests (*Quercus*, *Tilia*, *Acer*, *Fraxinus* or *Ulmus*) rich in epiphytes

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- 9030 * Natural forests of primary succession stages of landupheaval coast
- 9040 Nordic subalpine/subarctic forests with *Betula pubescens* ssp. *czerepanovii*
- 9050 Fennoscandian herb-rich forests with *Picea abies*
- 9060 Coniferous forests on, or connected to, glaciofluvial eskers
- 9070 Fennoscandian wooded pastures
- 9080 * Fennoscandian deciduous swamp woods
- 91. Forests of Temperate Europe**
- 9110 *Luzulo-Fagetum* beech forests
- 9120 Atlantic acidophilous beech forests with *Ilex* and sometimes also *Taxus* in the shrublayer (*Quercion robori-petraeae* or *Ilici-Fagenion*)
- 9130 *Asperulo-Fagetum* beech forests
- 9140 Medio-European subalpine beech woods with *Acer* and *Rumex arifolius*
- 9150 Medio-European limestone beech forests of the *Cephalanthero-Fagion*
- 9160 Sub-Atlantic and medio-European oak or oak-hornbeam forests of the *Carpinion betuli*
- 9170 *Galio-Carpinetum* oak-hornbeam forests
- 9180 * *Tilio-Acerion* forests of slopes, screes and ravines
- 9190 Old acidophilous oak woods with *Quercus robur* on sandy plains
- 91A0 Old sessile oak woods with *Ilex* and *Blechnum* in the British Isles
- 91B0 Thermophilous *Fraxinus angustifolia* woods
- 91C0 * Caledonian forest
- 91D0 * Bog woodland
- 91E0 * Alluvial forests with *Alnus glutinosa* and *Fraxinus excelsior* (*Alno-Padion*, *Alnion incanae*, *Salicion albae*)
- 91F0 Riparian mixed forests of *Quercus robur*, *Ulmus laevis* and *Ulmus minor*, *Fraxinus excelsior* or *Fraxinus angustifolia*, along the great rivers (*Ulmion minoris*)
- 91G0 * Pannonic woods with *Quercus petraea* and *Carpinus betulus*
- 91H0 * Pannonian woods with *Quercus pubescens*
- 91I0 * Euro-Siberian steppic woods with *Quercus* spp.
- 91J0 * *Taxus baccata* woods of the British Isles
- 91K0 Illyrian *Fagus sylvatica* forests (*Aremonio-Fagion*)
- 91L0 Illyrian oak-hornbeam forests (*Erythronio-Carpinion*)
- 91M0 Pannonian-Balkan turkey oak –sessile oak forests
- 91N0 * Pannonic inland sand dune thicket (*Junipero-Populetum albae*)
- 91P0 Holy Cross fir forest (*Abietetum polonicum*)
- 91Q0 Western Carpathian calcicolous *Pinus sylvestris* forests
- 91R0 Dinaric dolomite Scots pine forests (*Genisto januensis-Pinetum*)
- 91S0 * Western Pontic beech forests
- 91T0 Central European lichen Scots pine forests
- 91U0 Sarmatic steppe pine forest
- 91V0 Dacian Beech forests (*Symphyto-Fagion*)
- 91W0 Moesian beech forests
- 91X0 * Dobrogean beech forests
- 91Y0 Dacian oak & hornbeam forests
- 91Z0 Moesian silver lime woods

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- 91AA * Eastern white oak woods
- 91BA Moesian silver fir forests
- 91CA Rhodopide and Balkan Range Scots pine forests
- 92. Mediterranean deciduous forests**
- 9210 * Apennine beech forests with *Taxus* and *Ilex*
- 9220 * Apennine beech forests with *Abies alba* and beech forests with *Abies nebrodensis*
- 9230 Galicio-Portuguese oak woods with *Quercus robur* and *Quercus pyrenaica*
- 9240 *Quercus faginea* and *Quercus canariensis* Iberian woods
- 9250 *Quercus trojana* woods
- 9260 *Castanea sativa* woods
- 9270 Hellenic beech forests with *Abies borisii-regis*
- 9280 *Quercus frainetto* woods
- 9290 *Cupressus* forests (*Acer-Cupression*)
- 92A0 *Salix alba* and *Populus alba* galleries
- 92B0 Riparian formations on intermittent Mediterranean water courses with *Rhododendron ponticum*, *Salix* and others
- 92C0 *Platanus orientalis* and *Liquidambar orientalis* woods (*Platanion orientalis*)
- 92D0 Southern riparian galleries and thickets (*Nerio-Tamaricetea* and *Securinegion tinctoriae*)
- 93. Mediterranean sclerophyllous forests**
- 9310 Aegean *Quercus brachyphylla* woods
- 9320 *Olea* and *Ceratonia* forests
- 9330 *Quercus suber* forests
- 9340 *Quercus ilex* and *Quercus rotundifolia* forests
- 9350 *Quercus macrolepis* forests
- 9360 * Macaronesian laurel forests (*Laurus*, *Ocotea*)
- 9370 * Palm groves of *Phoenix*
- 9380 Forests of *Ilex aquifolium*
- 9390 * Scrub and low forest vegetation with *Quercus alnifolia*
- 93A0 Woodlands with *Quercus infectoria* (*Anagyro foetidae-Quercetum infectoriae*)
- 94. Temperate mountainous coniferous forests**
- 9410 Acidophilous *Picea* forests of the montane to alpine levels (*Vaccinio-Piceetea*)
- 9420 Alpine *Larix decidua* and/or *Pinus cembra* forests
- 9430 Subalpine and montane *Pinus uncinata* forests (* if on gypsum or limestone)
- 95. Mediterranean and Macaronesian mountainous coniferous forests**
- 9510 * Southern Apennine *Abies alba* forests
- 9520 *Abies pinsapo* forests
- 9530 * (Sub-) Mediterranean pine forests with endemic black pines
- 9540 Mediterranean pine forests with endemic Mesogean pines
- 9550 Canarian endemic pine forests
- 9560 * Endemic forests with *Juniperus* spp.

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- 9570 * *Tetraclinis articulata* forests
- 9580 * Mediterranean *Taxus baccata* woods
- 9590 * *Cedrus brevifolia* forests (*Cedrosetum brevifoliae*)
- 95A0 High oro-Mediterranean pine forests

▼ **M3***ANNEX II***ANIMAL AND PLANT SPECIES OF COMMUNITY INTEREST WHOSE CONSERVATION REQUIRES THE DESIGNATION OF SPECIAL AREAS OF CONSERVATION****Interpretation**

- (a) Annex II follows on from Annex I for the establishment of a consistent network of special areas of conservation.
- (b) The species listed in this Annex are indicated:
- by the name of the species or subspecies, or
 - by all the species belonging to a higher taxon or to a designated part of that taxon.

The abbreviation 'spp.' after the name of a family or genus designates all the species belonging to that family or genus.

- (c) Symbols

An asterisk (*) before the name of a species indicates that it is a priority species.

Most species listed in this Annex are also listed in Annex IV. Where a species appears in this Annex but does not appear in either Annex IV or Annex V, the species name is followed by the symbol (o); where a species which appears in this Annex also appears in Annex V but does not appear in Annex IV, its name is followed by the symbol (V).

(a) *ANIMALS**VERTEBRATES***MAMMALS****INSECTIVORA**

Talpidae

Galemys pyrenaicus

CHIROPTERA

Rhinolophidae

Rhinolophus blasii

Rhinolophus euryale

Rhinolophus ferrumequinum

Rhinolophus hipposideros

Rhinolophus mehelyi

Vespertilionidae

Barbastella barbastellus

Miniopterus schreibersii

Myotis bechsteinii

Myotis blythii

Myotis capaccinii

Myotis dasycneme

Myotis emarginatus

Myotis myotis

Pteropodidae

Rousettus aegyptiacus

RODENTIA

Gliridae

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Myomimus roachi

Sciuridae

* *Marmota marmota latirostris*

* *Pteromys volans (Sciuropterus russicus)*

Spermophilus citellus (Citellus citellus)

* *Spermophilus suslicus (Citellus suslicus)*

Castoridae

Castor fiber (except the Estonian, Latvian, Lithuanian, Finnish and Swedish populations)

Cricetidae

Mesocricetus newtoni

Microtidae

Microtus cabreræ

* *Microtus oeconomus arenicola*

* *Microtus oeconomus mehelyi*

Microtus tatricus

Zapodidae

Sicista subtilis

CARNIVORA

Canidae

* *Alopex lagopus*

* *Canis lupus* (except the Estonian population; Greek populations: only south of the 39th parallel; Spanish populations: only those south of the Duero; Latvian, Lithuanian and Finnish populations).

Ursidae

* *Ursus arctos* (except the Estonian, Finnish, and Swedish populations)

Mustelidae

* *Gulo gulo*

Lutra lutra

Mustela eversmanii

* *Mustela lutreola*

Vormela peregusna

Felidae

Lynx lynx (except the Estonian, Latvian and Finnish populations)

* *Lynx pardinus*

Phocidae

Halichoerus grypus (V)

* *Monachus monachus*

Phoca hispida bottnica (V)

* *Phoca hispida saimensis*

Phoca vitulina (V)

ARTIODACTYLA

Cervidae

* *Cervus elaphus corsicanus*

Rangifer tarandus fennicus (o)

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Bovidae

* *Bison bonasus*

Capra aegagrus (natural populations)

* *Capra pyrenaica pyrenaica*

Ovis gmelini musimon (*Ovis ammon musimon*) (natural populations — Corsica and Sardinia)

Ovis orientalis ophion (*Ovis gmelini ophion*)

* *Rupicapra pyrenaica ornata* (*Rupicapra rupicapra ornata*)

Rupicapra rupicapra balcanica

* *Rupicapra rupicapra tatrica*

CETACEA

Phocoena phocoena

Tursiops truncatus

REPTILES

CHELONIA (TESTUDINES)

Testudinidae

Testudo graeca

Testudo hermanni

Testudo marginata

Cheloniidae

* *Caretta caretta*

* *Chelonia mydas*

Emydidae

Emys orbicularis

Mauremys caspica

Mauremys leprosa

SAURIA

Lacertidae

Lacerta bonnali (*Lacerta monticola*)

Lacerta monticola

Lacerta schreiberi

Gallotia galloti insulanagae

* *Gallotia simonyi*

Podarcis lilfordi

Podarcis pityusensis

Scincidae

Chalcides simonyi (*Chalcides occidentalis*)

Gekkonidae

Phyllodactylus europaeus

OPHIDIA (SERPENTES)

Colubridae

* *Coluber cypriensis*

Elaphe quatuorlineata

Elaphe situla

* *Natrix natrix cypriaca*

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Viperidae

* *Macrovipera schweizeri* (*Vipera lebetina schweizeri*)

Vipera ursinii (except *Vipera ursinii rakosiensis*)

* *Vipera ursinii rakosiensis*

AMPHIBIANS

CAUDATA

Salamandridae

Chioglossa lusitanica

Mertensiella luschani (*Salamandra luschani*)

* *Salamandra aurorae* (*Salamandra atra aurorae*)

Salamandrina terdigitata

Triturus carnifex (*Triturus cristatus carnifex*)

Triturus cristatus (*Triturus cristatus cristatus*)

Triturus dobrogicus (*Triturus cristatus dobrogicus*)

Triturus karelinii (*Triturus cristatus karelinii*)

Triturus montandoni

Triturus vulgaris ampelensis

Proteidae

* *Proteus anguinus*

Plethodontidae

Hydromantes (Speleomantes) ambrosii

Hydromantes (Speleomantes) flavus

Hydromantes (Speleomantes) genei

Hydromantes (Speleomantes) imperialis

Hydromantes (Speleomantes) strinatii

Hydromantes (Speleomantes) supramontis

ANURA

Discoglossidae

* *Alytes muletensis*

Bombina bombina

Bombina variegata

Discoglossus galganoi (including *Discoglossus 'jeanneae'*)

Discoglossus montalentii

Discoglossus sardus

Ranidae

Rana latastei

Pelobatidae

* *Pelobates fuscus insubricus*

FISH

PETROMYZONIFORMES

Petromyzonidae

Eudontomyzon spp. (o)

Lampetra fluviatilis (V) (except the Finnish and Swedish populations)

Lampetra planeri (o) (except the Estonian, Finnish, and Swedish populations)

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Lethenteron zanandreae (V)

Petromyzon marinus (o) (except the Swedish populations)

ACIPENSERIFORMES

Acipenseridae

* *Acipenser naccarii*

* *Acipenser sturio*

CLUPEIFORMES

Clupeidae

Alosa spp. (V)

SALMONIFORMES

Salmonidae

Hucho hucho (natural populations) (V)

Salmo macrostigma (o)

Salmo marmoratus (o)

Salmo salar (only in fresh water) (V) (except the Finnish populations)

Coregonidae

* *Coregonus oxyrhynchus* (anadromous populations in certain sectors of the North Sea)

Umbridae

Umbra krameri (o)

CYPRINIFORMES

Cyprinidae

Alburnus albidus (o) (*Alburnus vulturius*)

Anaecypris hispanica

Aspius aspius (V) (except the Finnish populations)

Barbus comiza (V)

Barbus meridionalis (V)

Barbus plebejus (V)

Chalcalburnus chalcoides (o)

Chondrostoma genei (o)

Chondrostoma lusitanicum (o)

Chondrostoma polylepis (o) (including *C. willkommii*)

Chondrostoma soetta (o)

Chondrostoma toxostoma (o)

Gobio albipinnatus (o)

Gobio kessleri (o)

Gobio uranoscopus (o)

Iberocypris palaciosi (o)

* *Ladigesocypris ghigii* (o)

Leuciscus lucumonis (o)

Leuciscus souffia (o)

Pelecus cultratus (V)

Phoxinellus spp. (o)

* *Phoxinus phoxinus*

Rhodeus sericeus amarus (o)

▼ **M3***Rutilus pigus* (V)*Rutilus rubilio* (o)*Rutilus arcasii* (o)*Rutilus macrolepidotus* (o)*Rutilus lemmingii* (o)*Rutilus frisii meidingeri* (V)*Rutilus alburnoides* (o)*Scardinius graecus* (o)

Cobitidae

Cobitis elongata (o)*Cobitis taenia* (o) (except the Finnish populations)*Cobitis trichonica* (o)*Misgurnus fossilis* (o)*Sabanejewia aurata* (o)*Sabanejewia larvata* (o) (*Cobitis larvata* and *Cobitis conspersa*)

SILURIFORMES

Siluridae

Silurus aristotelis (V)

ATHERINIFORMES

Cyprinodontidae

Aphanius iberus (o)*Aphanius fasciatus* (o)* *Valencia hispanica** *Valencia letourneuxi* (*Valencia hispanica*)

PERCIFORMES

Percidae

*Gymnocephalus baloni**Gymnocephalus schraetzer* (V)* *Romanichthys valsanicola**Zingel* spp. ((o) except *Zingel asper* and *Zingel zingel* (V))

Gobiidae

Knipowitschia (Padogobius) panizae (o)*Padogobius nigricans* (o)*Pomatoschistus canestrini* (o)

SCORPAENIFORMES

Cottidae

Cottus gobio (o) (except the Finnish populations)*Cottus petiti* (o)

INVERTEBRATES

ARTHROPODS

CRUSTACEA

Decapoda

Austropotamobius pallipes (V)* *Austropotamobius torrentium* (V)

▼ M3

Isopoda

- * *Armadillidium ghardalamensis*

INSECTA

Coleoptera

- Agathidium pulchellum* (o)
- Bolbelasmus unicornis*
- Boros schneideri* (o)
- Buprestis splendens*
- Carabus hampei*
- Carabus hungaricus*
- * *Carabus menetriesi pacholei*
- * *Carabus olympiae*
- Carabus variolosus*
- Carabus zawadzskii*
- Cerambyx cerdo*
- Corticaria planula* (o)
- Cucujus cinnaberinus*
- Dorcadion fulvum cervae*
- Duvalius gebhardti*
- Duvalius hungaricus*
- Dytiscus latissimus*
- Graphoderus bilineatus*
- Leptodirus hochenwarti*
- Limoniscus violaceus* (o)
- Lucanus cervus* (o)
- Macroplea pubipennis* (o)
- Mesosa myops* (o)
- Morimus funereus* (o)
- * *Osmoderma eremita*
- Oxyporus mannerheimii* (o)
- Pilemia tigrina*
- * *Phryganophilus ruficollis*
- Probaticus subrugosus*
- Propomacrus cypriacus*
- * *Pseudogaurotina excellens*
- Pseudoseriscius cameroni*
- Pytho kolwensis*
- Rhysodes sulcatus* (o)
- * *Rosalia alpina*
- Stephanopachys linearis* (o)
- Stephanopachys substriatus* (o)
- Xyletinus tremulicola* (o)

Hemiptera

- Aradus angularis* (o)

▼ M3

Lepidoptera

Agriades glandon aquilo (o)
Arytrura musculus
 * *Callimorpha (Euplagia, Panaxia) quadripunctaria* (o)
Catopta thrips
Chondrosoma fiduciarium
Clossiana improba (o)
Coenonympha oedippus
Colias myrmidone
Cucullia mixta
Dioszeghyana schmidtii
Erannis ankeraria
Erebia calcaria
Erebia christi
Erebia medusa polaris (o)
Eriogaster catax
Euphydryas (Eurodryas, Hypodryas) aurinia (o)
Glyphipterix loricatella
Gortyna borelii lunata
Graellsia isabellae (V)
Hesperia comma catena (o)
Hypodryas maturna
Leptidea morsei
Lignyoptera fumidaria
Lycaena dispar
Lycaena helle
Maculinea nausithous
Maculinea teleius
Melanargia arge
 * *Nymphalis vaualbum*
Papilio hospiton
Phyllometra culminaria
Plebicula golgus
Polymixis rufocincta isolata
Polyommatus eroides
Pseudophilotes bavius
Xestia borealis (o)
Xestia brunneopicta (o)
 * *Xylomoia strix*

Mantodea

Apteromantis aptera

Odonata

Coenagrion hylas (o)
Coenagrion mercuriale (o)

▼ **M3***Coenagrion ornatum* (o)*Cordulegaster heros**Cordulegaster trinacriae**Gomphus graslinii**Leucorrhinia pectoralis**Lindenia tetraphylla**Macromia splendens**Ophiogomphus cecilia**Oxygastra curtisii*

Orthoptera

*Baetica ustulata**Brachytrupes megacephalus**Isophya costata**Isophya harzi**Isophya stysi**Myrmecophilus baronii**Odontopodisma rubripes**Paracaloptenus caloptenoides**Pholidoptera transsylvanica**Stenobothrus (Stenobothrodes) eurasius*

ARACHNIDA

Pseudoscorpiones

Anthrenochernes stellae (o)**MOLLUSCS**

GASTROPODA

*Anisus vorticulus**Caseolus calculus**Caseolus commixta**Caseolus sphaerula**Chilostoma banaticum**Discula leacockiana**Discula tabellata**Discus guerinianus**Elona quimperiana**Geomalacus maculosus**Geomitra moniziana**Gibbula nivosa** *Helicopsis striata austriaca* (o)*Hygromia kovacsi**Idiomela (Helix) subplicata**Lampedusa imitatrix** *Lampedusa melitensis**Leiostyla abbreviata**Leiostyla cassida*

▼ **M3***Leiostyla corneocostata**Leiostyla gibba**Leiostyla lamellosa** *Paladilhia hungarica**Sadleriana panonica**Theodoxus transversalis**Vertigo angustior* (o)*Vertigo genesii* (o)*Vertigo geyeri* (o)*Vertigo moulinsiana* (o)**BIVALVIA**

Unionoida

Margaritifera durrovensis (*Margaritifera margaritifera*) (V)*Margaritifera margaritifera* (V)*Unio crassus*

Dreissenidae

Congeria kusceri(b) **PLANTS****PTERIDOPHYTA**

ASPLENIACEAE

Asplenium jahandiezii (Litard.) Rouy*Asplenium adulterinum* Milde

BLECHNACEAE

Woodwardia radicans (L.) Sm.

DICKSONIACEAE

Culcita macrocarpa C. Presl

DRYOPTERIDACEAE

Diplazium sibiricum (Turcz. ex Kunze) Kurata* *Dryopteris corleyi* Fraser-Jenk.*Dryopteris fragans* (L.) Schott

HYMENOPHYLLACEAE

Trichomanes speciosum Willd.

ISOETACEAE

Isoetes boryana Durieu*Isoetes malinverniana* Ces. & De Not.

MARSILEACEAE

Marsilea batardae Launert*Marsilea quadrifolia* L.*Marsilea strigosa* Willd.

OPHIOGLOSSACEAE

Botrychium simplex Hitchc.*Ophioglossum polyphyllum* A. Braun**GYMNOSPERMAE**

PINACEAE

▼ **M3**

* *Abies nebrodensis* (Lojac.) Mattei

ANGIOSPERMAE

ALISMATACEAE

* *Alisma wahlenbergii* (Holmberg) Juz.

Caldesia parnassifolia (L.) Parl.

Luronium natans (L.) Raf.

AMARYLLIDACEAE

Leucojum nicaeense Ard.

Narcissus asturiensis (Jordan) Pugsley

Narcissus calcicola Mendonça

Narcissus cyclamineus DC.

Narcissus fernandesii G. Pedro

Narcissus humilis (Cav.) Traub

* *Narcissus nevadensis* Pugsley

Narcissus pseudonarcissus L. subsp. *nobilis* (Haw.) A. Fernandes

Narcissus scaberulus Henriq.

Narcissus triandrus L. subsp. *capax* (Salisb.) D. A. Webb.

Narcissus viridiflorus Schousboe

ASCLEPIADACEAE

Vincetoxicum pannonicum (Borhidi) Holub

BORAGINACEAE

* *Anchusa crispa* Viv.

Echium russicum J.F.Gemlin

* *Lithodora nitida* (H. Ern) R. Fernandes

Myosotis lusitanica Schuster

Myosotis rehsteineri Wartm.

Myosotis retusifolia R. Afonso

Omphalodes kuzinskyanae Willk.

* *Omphalodes littoralis* Lehm.

* *Onosma tornensis* Javorka

Solenanthus albanicus (Degen & al.) Degen & Baldacci

* *Symphytum cycladense* Pawl.

CAMPANULACEAE

Adenophora lilifolia (L.) Ledeb.

Asyneuma giganteum (Boiss.) Bornm.

* *Campanula bohemica* Hruby

* *Campanula gelida* Kovanda

Campanula romanica Săvul.

* *Campanula sabatia* De Not.

* *Campanula serrata* (Kit.) Hendrych

Campanula zoyssii Wulfen

Jasione crispa (Pourret) Samp. subsp. *serpentinica* Pinto da Silva

Jasione lusitanica A. DC.

CARYOPHYLLACEAE

▼ M3

- Arenaria ciliata* L. subsp. *pseudofrigida* Ostenf. & O.C. Dahl
Arenaria humifusa Wahlenberg
 * *Arenaria nevadensis* Boiss. & Reuter
Arenaria provincialis Chater & Halliday
 * *Cerastium alsinifolium* Tausch *Cerastium dinaricum* G. Beck & Szysz.
Dianthus arenarius L. subsp. *arenarius*
 * *Dianthus arenarius* subsp. *bohemicus* (Novak) O.Schwarz
Dianthus cintranus Boiss. & Reuter subsp. *cintranus* Boiss. & Reuter
 * *Dianthus diutinus* Kit.
 * *Dianthus lumnitzeri* Wiesb.
Dianthus marizii (Samp.) Samp.
 * *Dianthus moravicus* Kovanda
 * *Dianthus nitidus* Waldst. et Kit.
Dianthus plumarius subsp. *regis-stephani* (Rapcs.) Baksay
Dianthus rupicola Biv.
 * *Gypsophila papillosa* P. Porta
Herniaria algarvica Chaudhri
 * *Herniaria latifolia* Lapeyr. subsp. *litardierei* Gamis
Herniaria lusitanica (Chaudhri) subsp. *berlengiana* Chaudhri
Herniaria maritima Link
 * *Minuartia smejkalii* Dvorakova
Moehringia jankae Griseb. ex Janka
Moehringia lateriflora (L.) Fenzl.
Moehringia tommasinii Marches.
Moehringia villosa (Wulfen) Fenzl
Petrocoptis grandiflora Rothm.
Petrocoptis montsicciana O. Bolos & Rivas Mart.
Petrocoptis pseudoviscosa Fernández Casas
Silene furcata Rafin. subsp. *angustiflora* (Rupr.) Walters
 * *Silene hicesiae* Brullo & Signorello
Silene hifacensis Rouy ex Willk.
 * *Silene holzmanii* Heldr. ex Boiss.
Silene longicilia (Brot.) Oth.
Silene mariana Pau
 * *Silene orphanidis* Boiss
 * *Silene rothmaleri* Pinto da Silva
 * *Silene velutina* Pourret ex Loisel.

CHENOPODIACEAE

- * *Bassia (Kochia) saxicola* (Guss.) A. J. Scott
 * *Cremnophyton lanfranconi* Brullo et Pavone
 * *Salicornia veneta* Pignatti & Lausi

CISTACEAE

- Cistus palhinhae* Ingram
Halimium verticillatum (Brot.) Sennen

▼ M3

Helianthemum alypoides Losa & Rivas Goday

Helianthemum caput-felis Boiss.

* *Tuberaria major* (Willk.) Pinto da Silva & Rozeira

COMPOSITAE

* *Anthemis glaberrima* (Rech. f.) Greuter

Artemisia campestris L. subsp. *bottnica* A.N. Lundström ex Kindb.

* *Artemisia granatensis* Boiss.

* *Artemisia laciniata* Willd.

Artemisia oelandica (Besser) Komaror

* *Artemisia pancicii* (Janka) Ronn.

* *Aster pyrenaeus* Desf. ex DC

* *Aster sorrentinii* (Tod) Lojac.

Carlina onopordifolia Besser

* *Carduus myriacanthus* Salzm. ex DC.

* *Centaurea alba* L. subsp. *heldreichii* (Halacsy) Dostal

* *Centaurea alba* L. subsp. *princeps* (Boiss. & Heldr.) Gugler

* *Centaurea akamantis* T. Georgiadis & G. Chatzikyriakou

* *Centaurea attica* Nyman subsp. *megarensis* (Halacsy & Hayek) Dostal

* *Centaurea balearica* J. D. Rodriguez

* *Centaurea borjae* Valdes-Berm. & Rivas Goday

* *Centaurea citricolor* Font Quer

Centaurea corymbosa Pourret

Centaurea gadorensis G. Blanca

* *Centaurea horrida* Badaro

Centaurea immanuelis-loewii Degen

Centaurea jankae Brandza

* *Centaurea kalambakensis* Freyn & Sint.

Centaurea kartschiana Scop.

* *Centaurea lactiflora* Halacsy

Centaurea micrantha Hoffmanns. & Link subsp. *herminii* (Rouy) Dostál

* *Centaurea niederi* Heldr.

* *Centaurea peucedanifolia* Boiss. & Orph.

* *Centaurea pinnata* Pau

Centaurea pontica Prodan & E. I. Nyárády

Centaurea pulvinata (G. Blanca) G. Blanca

Centaurea rothmalerana (Arènes) Dostál

Centaurea vicentina Mariz

Cirsium brachycephalum Juratzka

* *Crepis crocifolia* Boiss. & Heldr.

Crepis granatensis (Willk.) B. Blanca & M. Cueto

Crepis pusilla (Sommier) Merxmüller

Crepis tectorum L. subsp. *nigrescens*

Erigeron frigidus Boiss. ex DC.

* *Helichrysum melitense* (Pignatti) Brullo et al

▼ M3

Hymenostemma pseudanthemis (Kunze) Willd.
Hyoseris frutescens Brullo et Pavone
 * *Jurinea cyanooides* (L.) Reichenb.
 * *Jurinea fontqueri* Cuatrec.
 * *Lamyropsis microcephala* (Moris) Dittrich & Greuter
Leontodon microcephalus (Boiss. ex DC.) Boiss.
Leontodon boryi Boiss.
 * *Leontodon siculus* (Guss.) Finch & Sell
Leuzea longifolia Hoffmanns. & Link
Ligularia sibirica (L.) Cass.
 * *Palaeocyanus crassifolius* (Bertoloni) Dostal
Santolina impressa Hoffmanns. & Link
Santolina semidentata Hoffmanns. & Link
Saussurea alpina subsp. *esthonica* (Baer ex Rupr) Kupffer
 * *Senecio elodes* Boiss. ex DC.
Senecio jacobea L. subsp. *gotlandicus* (Neuman) Sterner
Senecio nevadensis Boiss. & Reuter
 * *Serratula lycopifolia* (Vill.) A.Kern
Tephrosieris longifolia (Jacq.) Griseb et Schenk subsp. *moravica*

CONVOLVULACEAE

* *Convolvulus argyrothamnus* Greuter
 * *Convolvulus fernandesii* Pinto da Silva & Teles

CRUCIFERAE

Alyssum pyrenaicum Lapeyr.
 * *Arabis kennedyae* Meikle
Arabis sadina (Samp.) P. Cout.
Arabis scopoliana Boiss
 * *Biscutella neustriaca* Bonnet
Biscutella vincentina (Samp.) Rothm.
Boleum asperum (Pers.) Desvaux
Brassica glabrescens Poldini
Brassica hilarionis Post
Brassica insularis Moris
 * *Brassica macrocarpa* Guss.
Braya linearis Rouy
 * *Cochlearia polonica* E. Fröhlich
 * *Cochlearia tatrae* Borbas
 * *Coincya rupestris* Rouy
 * *Coronopus navasii* Pau
Crambe tataria Sebeok
Diplotaxis ibicensis (Pau) Gómez-Campo
 * *Diplotaxis siettiana* Maire
Diplotaxis vicentina (P. Cout.) Rothm.
Draba cacuminum Elis Ekman

▼ M3

Draba cinerea Adams

Draba dorneri Heuffel.

Erucastrum palustre (Pirona) Vis.

* *Erysimum pienanicum* (Zapal.) Pawl.

* *Iberis arbuscula* Runemark

Iberis procumbens Lange subsp. *microcarpa* Franco & Pinto da Silva

* *Jonopsidium acaule* (Desf.) Reichenb.

Jonopsidium savianum (Caruel) Ball ex Arcang.

Rhynchosinapis erucastrum (L.) Dandy ex Clapham subsp. *cintrana* (Coutinho) Franco & P. Silva (*Coincya cintrana* (P. Cout.) Pinto da Silva)

Sisymbrium cavanillesianum Valdés & Castroviejo

Sisymbrium supinum L.

Thlaspi jankae A.Kern.

CYPERACEAE

Carex holostoma Drejer

* *Carex panormitana* Guss.

Eleocharis carniolica Koch

DIOSCOREACEAE

* *Borderea chouardii* (Gaussen) Heslot

DROSERACEAE

Aldrovanda vesiculosa L.

ELATINACEAE

Elatine gussonei (Sommier) Brullo et al

ERICACEAE

Rhododendron luteum Sweet

EUPHORBIACEAE

* *Euphorbia margalidiana* Kuhbier & Lewejohann

Euphorbia transtagana Boiss.

GENTIANACEAE

* *Centaurium rigualii* Esteve

* *Centaurium somedanum* Lainz

Gentiana ligustica R. de Vilm. & Chopinet

Gentianella anglica (Pugsley) E. F. Warburg

* *Gentianella bohémica* Skalicky

GERANIACEAE

* *Erodium astragaloides* Boiss. & Reuter

Erodium paularense Fernández-González & Izco

* *Erodium rupicola* Boiss.

GLOBULARIACEAE

* *Globularia stygia* Orph. ex Boiss.

GRAMINEAE

Arctagrostis latifolia (R. Br.) Griseb.

Arctophila fulva (Trin.) N. J. Anderson

Avenula hackelii (Henriq.) Holub

Bromus grossus Desf. ex DC.

▼ M3

Calamagrostis chalybaea (Laest.) Fries
Cinna latifolia (Trev.) Griseb.
Coleanthus subtilis (Tratt.) Seidl
Festuca brigantina (Markgr.-Dannenb.) Markgr.-Dannenb.
Festuca duriotagana Franco & R. Afonso
Festuca elegans Boiss.
Festuca henriquesii Hack.
Festuca summilusitana Franco & R. Afonso
Gaudinia hispanica Stace & Tutin
Holcus setigulumis Boiss. & Reuter subsp. *duriensis* Pinto da Silva
Micropyropsis tuberosa Romero — Zarco & Cabezudo
Poa granitica Br.-Bl. subsp. *disparilis* (E. I. Nyárády) E. I. Nyárády
* *Poa riphaea* (Ascher et Graebner) Fritsch
Pseudarrhenatherum pallens (Link) J. Holub
Puccinellia phryganodes (Trin.) Scribner + Merr.
Puccinellia pungens (Pau) Paunero
* *Stipa austroitalica* Martinovsky
* *Stipa bavarica* Martinovsky & H. Scholz
Stipa danubialis Dihoru & Roman
* *Stipa styriaca* Martinovsky
* *Stipa veneta* Moraldo
* *Stipa zalesskii* Wilensky
Trisetum subalpestre (Hartman) Neuman

GROSSULARIACEAE

* *Ribes sardoum* Martelli

HIPPURIDACEAE

Hippuris tetraphylla L. Fil.

HYPERICACEAE

* *Hypericum aciferum* (Greuter) N.K.B. Robson

IRIDACEAE

Crocus cyprius Boiss. et Kotschy
Crocus hartmannianus Holmboe
Gladiolus palustris Gaud.
Iris aphylla L. subsp. *hungarica* Hegi
Iris humilis Georgi subsp. *arenaria* (Waldst. et Kit.) A. et D.Löve

JUNCACEAE

Juncus valvatus Link
Luzula arctica Blytt

LABIATAE

Dracocephalum austriacum L.
* *Micromeria taygetea* P. H. Davis
Nepeta dirphya (Boiss.) Heldr. ex Halacsy
* *Nepeta sphaciotica* P. H. Davis
Origanum dictamnus L.

▼ M3

Phlomis brevibracteata Turril
Phlomis cypria Post
Salvia veneris Hedge
Sideritis cypria Post
Sideritis incana subsp. *glauca* (Cav.) Malagarriga
Sideritis javalambrensis Pau
Sideritis serrata Cav. ex Lag.
Teucrium lepicephalum Pau
Teucrium turredanum Losa & Rivas Goday
 * *Thymus camphoratus* Hoffmanns. & Link
Thymus carnosus Boiss.
 * *Thymus lotocephalus* G. López & R. Morales (*Thymus cephalotos* L.)

LEGUMINOSAE

Anthyllis hystrix Cardona, Contandr. & E. Sierra
 * *Astragalus algarbiensis* Coss. ex Bunge
 * *Astragalus aquilanus* Anzalone
Astragalus centralpinus Braun-Blanquet
 * *Astragalus macrocarpus* DC. subsp. *lefkarensis*
 * *Astragalus maritimus* Moris
Astragalus peterfii Jáv.
Astragalus tremolsianus Pau
 * *Astragalus verrucosus* Moris
 * *Cytisus aeolicus* Guss. ex Lindl.
Genista dorycnifolia Font Quer
Genista holopetala (Fleischm. ex Koch) Baldacci
Melilotus segetalis (Brot.) Ser. subsp. *fallax* Franco
 * *Ononis hackelii* Lange
Trifolium saxatile All.
 * *Vicia bifoliolata* J.D. Rodríguez

LENTIBULARIACEAE

* *Pinguicula crystallina* Sm.
Pinguicula nevadensis (Lindb.) Casper

LILIACEAE

Allium grosii Font Quer
 * *Androcymbium rechingeri* Greuter
 * *Asphodelus bento-rainhae* P. Silva
 * *Chionodoxa lochia* Meikle in Kew Bull.
Colchicum arenarium Waldst. et Kit.
Hyacinthoides vicentina (Hoffmans. & Link) Rothm.
 * *Muscari gussonei* (Parl.) Tod.
Scilla litardierei Breist.
 * *Scilla morrisii* Meikle
Tulipa cypria Stapf
Tulipa hungarica Borbas

▼ M3

LINACEAE

- * *Linum dolomiticum* Borbas
- * *Linum muelleri* Moris (*Linum maritimum muelleri*)

LYTHRACEAE

- * *Lythrum flexuosum* Lag.

MALVACEAE

- Kosteletzkya pentacarpos* (L.) Ledeb.

NAJADACEAE

- Najas flexilis* (Willd.) Rostk. & W.L. Schmidt
- Najas tenuissima* (A. Braun) Magnus

OLEACEAE

- Syringa josikaea* Jacq. Fil. ex Reichenb.

ORCHIDACEAE

- Anacamptis urvilleana* Sommier et Caruana Gatto
- Calypto bulbosa* L.
- * *Cephalanthera cucullata* Boiss. & Heldr.
- Cypripedium calceolus* L.
- Dactylorhiza kalopissii* E.Nelson
- Gymnigritella runei* Teppner & Klein
- Himantoglossum adriaticum* Baumann
- Himantoglossum caprinum* (Bieb.) V.Koch
- Liparis loeselii* (L.) Rich.
- * *Ophrys kotschyi* H.Fleischm. et Soo
- * *Ophrys lumulata* Parl.
- Ophrys melitensis* (Salkowski) J et P Devillers-Terschuren
- Platanthera obtusata* (Pursh) subsp. *oligantha* (Turez.) Hulten

OROBANCHACEAE

- Orobanche densiflora* Salzm. ex Reut.

PAEONIACEAE

- Paeonia cambessedesii* (Willk.) Willk.
- Paeonia chusii* F.C. Stern subsp. *rhodia* (Stearn) Tzanoudakis
- Paeonia officinalis* L. subsp. *banatica* (Rachel) Soo
- Paeonia parnassica* Tzanoudakis

PALMAE

- Phoenix theophrasti* Greuter

PAPAVERACEAE

- Corydalis gotlandica* Lidén
- Papaver laestadianum* (Nordh.) Nordh.
- Papaver radicum* Rottb. subsp. *hyperboreum* Nordh.

PLANTAGINACEAE

- Plantago algarbiensis* Sampaio (*Plantago bracteosa* (Willk.) G. Sampaio)
- Plantago almogravensis* Franco

PLUMBAGINACEAE

- Armeria berlengensis* Daveau

▼ M3

- * *Armeria helodes* Martini & Pold
- Armeria neglecta* Girard
- Armeria pseudarmeria* (Murray) Mansfeld
- * *Armeria rouyana* Daveau
- Armeria soleirolii* (Duby) Godron
- Armeria velutina* Welw. ex Boiss. & Reuter
- Limonium dodartii* (Girard) O. Kuntze subsp. *lusitanicum* (Daveau) Franco
- * *Limonium insulare* (Beg. & Landi) Arrig. & Diana
- Limonium lanceolatum* (Hoffmans. & Link) Franco
- Limonium multiflorum* Erben
- * *Limonium pseudolaetum* Arrig. & Diana
- * *Limonium strictissimum* (Salzmann) Arrig.

POLYGONACEAE

- Persicaria foliosa* (H. Lindb.) Kitag.
- Polygonum praelongum* Coode & Cullen
- Rumex rupestris* Le Gall

PRIMULACEAE

- Androsace mathildae* Levier
- Androsace pyrenaica* Lam.
- * *Cyclamen fatrense* Halda et Sojak
- * *Primula apennina* Widmer
- Primula carniolica* Jacq.
- Primula nutans* Georgi
- Primula palinuri* Petagna
- Primula scandinavica* Bruun
- Soldanella villosa* Darracq.

RANUNCULACEAE

- * *Aconitum corsicum* Gayer (*Aconitum napellus* subsp. *corsicum*)
- Aconitum firmum* (Reichenb.) Neilr subsp. *moravicum* Skalicky
- Adonis distorta* Ten.
- Aquilegia bertolonii* Schott
- Aquilegia kitaibelii* Schott
- * *Aquilegia pyrenaica* D.C. subsp. *cazorlensis* (Heywood) Galiano
- * *Consolida samia* P.H. Davis
- * *Delphinium caseyi* B.L.Burt
- Pulsatilla grandis* Wenderoth *Pulsatilla patens* (L.) Miller
- * *Pulsatilla pratensis* (L.) Miller subsp. *hungarica* Soo
- * *Pulsatilla slavica* G.Reuss.
- * *Pulsatilla subslavica* Futak ex Goliasova
- Pulsatilla vulgaris* Hill. subsp. *gotlandica* (Johanss.) Zaemelis & Paegle
- Ranunculus kykkoensis* Meikle
- Ranunculus lapponicus* L.
- * *Ranunculus weyleri* Mares

RESEDACEAE

▼ M3

**Reseda decursiva* Forssk.

ROSACEAE

Agrimonia pilosa Ledebour

Potentilla delphinensis Gren. & Godron

Potentilla emilii-popii Nyárády

* *Pyrus magyarica* Terpo

Sorbus teodorii Liljefors

RUBIACEAE

Galium cracoviense Ehrend.

* *Galium litorale* Guss.

Galium moldavicum (Dobrescu) Franco

* *Galium sudeticum* Tausch

* *Galium viridiflorum* Boiss. & Reuter

SALICACEAE

Salix salvifolia Brot. subsp. *australis* Franco

SANTALACEAE

Thesium ebracteatum Hayne

SAXIFRAGACEAE

Saxifraga berica (Beguinot) D.A. Webb

Saxifraga florulenta Moretti

Saxifraga hirculus L.

Saxifraga osloënsis Knaben

Saxifraga tombeanensis Boiss. ex Engl.

SCROPHULARIACEAE

Antirrhinum charidemi Lange

Chaenorrhinum serpyllifolium (Lange) Lange subsp. *lusitanicum* R. Fernandes

* *Euphrasia genargentea* (Feoli) Diana

Euphrasia marchesettii Wettst. ex Marches.

Linaria algarviana Chav.

Linaria coutinhoi Valdés

Linaria loeselii Schweigger

* *Linaria ficalhoana* Rouy

Linaria flava (Poiret) Desf.

* *Linaria hellenica* Turrill

Linaria pseudolaxiflora Lojacono

* *Linaria ricardoii* Cout.

Linaria tonzigii Lona

* *Linaria tursica* B. Valdés & Cabezudo

Odontites granatensis Boiss.

* *Pedicularis sudetica* Willd.

Rhinanthus oesilensis (Ronniger & Saarsoo) Vassilcz

Tozzia carpathica Wol.

Verbascum litigiosum Samp.

Veronica micrantha Hoffmanns. & Link

▼ M3

* *Veronica oetaea* L.-A. Gustavsson

SOLANACEAE

* *Atropa baetica* Willk.

THYMELAEACEAE

* *Daphne arbuscula* Celak

Daphne petraea Leybold

* *Daphne rodriguezii* Texidor

ULMACEAE

Zelkova abelicea (Lam.) Boiss.

UMBELLIFERAE

* *Angelica heterocarpa* Lloyd

Angelica palustris (Besser) Hoffm.

* *Apium bermejoi* Llorens

Apium repens (Jacq.) Lag.

Athamanta cortiana Ferrarini

* *Bupleurum capillare* Boiss. & Heldr.

* *Bupleurum kakiskalae* Greuter

Eryngium alpinum L.

* *Eryngium viviparum* Gay

* *Ferula sadleriana* Lebed.

Hladnikia pastinacifolia Reichenb.

* *Laserpitium longiradium* Boiss.

* *Naufraga balearica* Constans & Cannon

* *Oenanthe conioides* Lange

Petagnia saniculifolia Guss.

Rouya polygama (Desf.) Coincy

* *Seseli intricatum* Boiss.

Seseli leucospermum Waldst. et Kit

Thorella verticillatundata (Thore) Briq.

VALERIANACEAE

Centranthus trinervis (Viv.) Beguinot

VIOLACEAE

Viola delphinantha Boiss.

* *Viola hispida* Lam.

Viola jaubertiana Mares & Vigineix

Viola rupestris F.W. Schmidt subsp. *relicta* Jalas

LOWER PLANTS

BRYOPHYTA

Bruchia vogesiaca Schwaegr. (o)

Bryhnia novae-angliae (Sull & Lesq.) Grout (o)

* *Bryoerythrophyllum campylocarpum* (C. Müll.) Crum. (*Bryoerythrophyllum machadoanum* (Sergio) M. O. Hill) (o)

Buxbaumia viridis (Moug.) Moug. & Nestl. (o)

Cephalozia macounii (Aust.) Aust. (o)

Cynodontium suecicum (H. Arn. & C. Jens.) I. Hag. (o)

▼ **M3**

- Dichelyma capillaceum* (Dicks) Myr. (o)
Dicranum viride (Sull. & Lesq.) Lindb. (o)
Distichophyllum carinatum Dix. & Nich. (o)
Drepanocladus (Hamatocaulis) vernicosus (Mitt.) Warnst. (o)
Encalypta mutica (I. Hagen) (o)
Hamatocaulis lapponicus (Norrl.) Hedenäs (o)
Herzogiella turfacea (Lindb.) I. Wats. (o)
Hygrohypnum montanum (Lindb.) Broth. (o)
Jungermannia handelii (Schiffn.) Amak. (o)
Mannia triandra (Scop.) Grolle (o)
 * *Marsupella profunda* Lindb. (o)
Meesia longiseta Hedw. (o)
Nothothylas orbicularis (Schwein.) Sull. (o)
Ochyraea tatrensis Vana (o)
Orthothecium lapponicum (Schimp.) C. Hartm. (o)
Orthotrichum rogeri Brid. (o)
Petalophyllum ralfsii (Wils.) Nees & Gott. (o)
Plagiomnium drummondii (Bruch & Schimp.) T. Kop. (o)
Riccia breidlerii Jur. (o)
Riella helicophylla (Bory & Mont.) Mont. (o)
Scapania massolongi (K. Müll.) K. Müll. (o)
Sphagnum pylaisii Brid. (o)
Tayloria rudolphiana (Garov) B. & S. (o)
Tortella rigens (N. Alberts) (o)

SPECIES FOR MACARONESIA**PTERIDOPHYTA**

HYMENOPHYLLACEAE

- Hymenophyllum maderensis* Gibby & Lovis

DRYOPTERIDACEAE

- * *Polystichum drepanum* (Sw.) C. Presl.

ISOETACEAE

- Isoetes azorica* Durieu & Paiva ex Milde

MARSILEACEAE

- * *Marsilea azorica* Launert & Paiva

ANGIOSPERMAE

ASCLEPIADACEAE

- Caralluma burchardii* N. E. Brown
 * *Ceropegia chrysantha* Svent.

BORAGINACEAE

- Echium candicans* L. fil.
 * *Echium gentianoides* Webb & Coincy
Myosotis azorica H. C. Watson
Myosotis maritima Hochst. in Seub.

CAMPANULACEAE

▼ M3

* *Azorina vidalii* (H. C. Watson) Feer

Musschia aurea (L. f.) DC.

* *Musschia wollastonii* Lowe

CAPRIFOLIACEAE

* *Sambucus palmensis* Link

CARYOPHYLLACEAE

Spergularia azorica (Kindb.) Lebel

CELASTRACEAE

Maytenus umbellata (R. Br.) Mabb.

CHENOPODIACEAE

Beta patula Ait.

CISTACEAE

Cistus chinamadensis Banares & Romero

* *Helianthemum bystropogophyllum* Svent.

COMPOSITAE

Andryala crithmifolia Ait.

* *Argyranthemum lidii* Humphries

Argyranthemum thalassophyllum (Svent.) Hump.

Argyranthemum winterii (Svent.) Humphries

* *Atractylis arbuscula* Svent. & Michaelis

Atractylis preauxiana Schultz.

Calendula maderensis DC.

Cheirolophus duranii (Burchard) Holub

Cheirolophus ghomerytus (Svent.) Holub

Cheirolophus junonianus (Svent.) Holub

Cheirolophus massonianus (Lowe) Hansen & Sund.

Cirsium latifolium Lowe

Helichrysum gossypinum Webb

Helichrysum monogynum Burt & Sund.

Hypochoeris oligocephala (Svent. & Bramw.) Lack

* *Lactuca watsoniana* Trel.

* *Onopordum nogalesii* Svent.

* *Onopordum carduelinum* Bolle

* *Pericallis hadrosoma* (Svent.) B. Nord.

Phagnalon benettii Lowe

Stemmacantha cynaroides (Chr. Son. in Buch) Ditt

Sventenia bupleuroides Font Quer

* *Tanacetum ptarmiciflorum* Webb & Berth

CONVOLVULACEAE

* *Convolvulus caput-medusae* Lowe

* *Convolvulus lopez-socasii* Svent.

* *Convolvulus massonii* A. Dietr.

CRASSULACEAE

Aeonium gomeraense Praeger

▼ M3

Aeonium saundersii Bolle
Aichryson dumosum (Lowe) Praeg.
Monanthes wildpretii Banares & Scholz
Sedum brissemoretii Raymond-Hamet

CRUCIFERAE

* *Crambe arborea* Webb ex Christ
Crambe laevigata DC. ex Christ
* *Crambe sventenii* R. Petters ex Bramwell & Sund.
* *Parolinia schizogynoides* Svent.
Sinapidendron rupestre (Ait.) Lowe

CYPERACEAE

Carex malato-belizii Raymond

DIPSACACEAE

Scabiosa nitens Roemer & J. A. Schultes

ERICACEAE

Erica scoparia L. subsp. *azorica* (Hochst.) D. A. Webb

EUPHORBIACEAE

* *Euphorbia handiensis* Burchard
Euphorbia lambii Svent.
Euphorbia stygiana H. C. Watson

GERANIACEAE

* *Geranium maderense* P. F. Yeo

GRAMINEAE

Deschampsia maderensis (Haeck. & Born.) Buschm.
Phalaris maderensis (Menezes) Menezes

GLOBULARIACEAE

* *Globularia ascanii* D. Bramwell & Kunkel
* *Globularia sarcophylla* Svent.

LABIATAE

* *Sideritis cystosiphon* Svent.
* *Sideritis discolor* (Webb ex de Noe) Bolle
Sideritis infernalis Bolle
Sideritis marmorea Bolle
Teucrium abutiloides L'Hér.
Teucrium betonicum L'Hér.

LEGUMINOSAE

* *Anagyris latifolia* Brouss. ex. Willd.
Anthyllis lemanniana Lowe
* *Dorycnium spectabile* Webb & Berthel
* *Lotus azoricus* P. W. Ball
Lotus callis-viridis D. Bramwell & D. H. Davis
* *Lotus kunkelii* (E. Chueca) D. Bramwell & al.
* *Teline rosmarinifolia* Webb & Berthel.
* *Teline salsoloides* Arco & Acebes.

▼ M3

Vicia dennesiana H. C. Watson

LILIACEAE

* *Androcymbium psammophilum* Svent.

Scilla maderensis Menezes

Semele maderensis Costa

LORANTHACEAE

Arceuthobium azoricum Wiens & Hawksw.

MYRICACEAE

* *Myrica rivas-martinezii* Santos.

OLEACEAE

Jasminum azoricum L.

Picconia azorica (Tutin) Knobl.

ORCHIDACEAE

Goodyera macrophylla Lowe

PITTOSPORACEAE

* *Pittosporum coriaceum* Dryand. ex. Ait.

PLANTAGINACEAE

Plantago malato-belizii Lawalree

PLUMBAGINACEAE

* *Limonium arborescens* (Brouss.) Kuntze

Limonium dendroides Svent.

* *Limonium spectabile* (Svent.) Kunkel & Sunding

* *Limonium sventenii* Santos & Fernández Galván

POLYGONACEAE

Rumex azoricus Rech. fil.

RHAMNACEAE

Frangula azorica Tutin

ROSACEAE

* *Bencomia brachystachya* Svent.

Bencomia sphaerocarpa Svent.

* *Chamaemeles coriacea* Lindl.

Dendriopoterium pulidoi Svent.

Marcetella maderensis (Born.) Svent.

Prunus lusitanica L. subsp. *azorica* (Mouillef.) Franco

Sorbus maderensis (Lowe) Dode

SANTALACEAE

Kunkeliella subsucculenta Kammer

SCROPHULARIACEAE

* *Euphrasia azorica* H.C. Watson

Euphrasia grandiflora Hochst. in Seub.

* *Isoplexis chalcantha* Svent. & O'Shanahan

Isoplexis isabelliana (Webb & Berthel.) Masferrer

Odontites holliana (Lowe) Benth.

Sibthorpia peregrina L.

▼ **M3**

SOLANACEAE

- * *Solanum lidii* Sunding

UMBELLIFERAE

- Ammi trifoliatum* (H. C. Watson) Trelease
- Bupleurum handiense* (Bolle) Kunkel
- Chaerophyllum azoricum* Trelease
- Ferula latipinna* Santos
- Melanoselinum decipiens* (Schrader & Wendl.) Hoffm.
- Monizia edulis* Lowe
- Oenanthe divaricata* (R. Br.) Mabb.
- Sanicula azorica* Guthnick ex Seub.

VIOLACEAE

- Viola paradoxa* Lowe

LOWER PLANTS

BRYOPHYTA

- * *Echinodium spinosum* (Mitt.) Jur. (o)
- * *Thamnobryum fernandesii* Sergio (o).

▼B*ANNEX III***CRITERIA FOR SELECTING SITES ELIGIBLE FOR IDENTIFICATION AS SITES OF COMMUNITY IMPORTANCE AND DESIGNATION AS SPECIAL AREAS OF CONSERVATION****STAGE 1: Assessment at national level of the relative importance of sites for each natural habitat type in Annex I and each species in Annex II (including priority natural habitat types and priority species)**

- A. *Site assessment criteria for a given natural habitat type in Annex I*
- (a) Degree of representativity of the natural habitat ► **C1** type on the site. ◀
 - (b) Area of the site covered by the natural habitat type in relation to the total area covered by that natural habitat type within national territory.
 - (c) Degree of conservation of the structure and functions of the natural habitat type concerned and restoration possibilities.
 - (d) Global assessment of the value of the site for conservation of the natural habitat type concerned.
- B. *Site assessment criteria for a given species in Annex II*
- (a) Size and density of the population of the species present on the site in relation to the populations present within national territory.
 - (b) Degree of conservation of the features of the habitat which are important for the species concerned and restoration possibilities.
 - (c) Degree of isolation of the population present on the site in relation to the natural range of the species.
 - (d) Global assessment of the value of the site for conservation of the species concerned.
- C. On the basis of these criteria, Member States will classify the sites which they propose on the national list as sites eligible for identification as sites of Community importance according to their relative value for the conservation of each natural habitat type in Annex I or each species in Annex II.
- D. That list will show the sites containing the priority natural habitat types and priority species selected by the Member States on the basis of the criteria in A and B above.

STAGE 2: Assessment of the Community importance of the sites included on the national lists

1. All the sites identified by the Member States in Stage 1 which contain priority natural habitat types and/or species will be considered as sites of Community importance.
2. The assessment of the Community importance of other sites on Member States' lists, i.e. their contribution to maintaining or re-establishing, at a favourable conservation status, a natural habitat in Annex I or a species in Annex II and/or to the coherence of Natura 2000 will take account of the following criteria:
 - (a) relative value of the site at national level;
 - (b) geographical situation of the site in relation to migration routes of species in Annex II and whether it belongs to a continuous ecosystem situated on both sides of one or more internal Community frontiers;
 - (c) total area of the site;
 - (d) number of natural habitat types in Annex I and species in Annex II present on the site;
 - (e) global ecological value of the site for the biogeographical regions concerned and/or for the whole of the territory referred to in Article 2, as regards both ► **C1** the characteristic or unique ◀ aspect of its features and the way they are combined.

▼ **M3***ANNEX IV***ANIMAL AND PLANT SPECIES OF COMMUNITY INTEREST IN
NEED OF STRICT PROTECTION**

The species listed in this Annex are indicated:

- by the name of species or subspecies, or
- by the body of species belonging to a higher taxon or to a designated part of that taxon.

The abbreviation 'spp.' after the name of a family or genus designates all the species belonging to that family or genus.

(a) **ANIMALS***VERTEBRATES***MAMMALS****INSECTIVORA**

Erinaceidae

Erinaceus algirus

Soricidae

Crocidura canariensis

Crocidura sicula

Talpidae

Galemys pyrenaicus

MICROCHIROPTERA

All species

MEGACHIROPTERA

Pteropodidae

Rousettus aegyptiacus

RODENTIA

Gliridae

All species except *Glis glis* and *Eliomys quercinus*

Sciuridae

Marmota marmota latirostris

Pteromys volans (Sciuropterus russicus)

Spermophilus citellus (Citellus citellus)

Spermophilus suslicus (Citellus suslicus)

Sciurus anomalus

Castoridae

Castor fiber (except the Estonian, Latvian, Lithuanian, Polish, Finnish and Swedish, populations)

Cricetidae

Cricetus cricetus (except the Hungarian populations)

Mesocricetus newtoni

Microtidae

Microtus cabrerae

Microtus oeconomus arenicola

Microtus oeconomus mehelyi

Microtus tatricus

▼ M3

Zapodidae

*Sicista betulina**Sicista subtilis*

Hystricidae

Hystrix cristata

CARNIVORA

Canidae

Alopex lagopus

Canis lupus (except the Greek populations north of the 39th parallel; Estonian populations, Spanish populations north of the Duero; Bulgarian, Latvian, Lithuanian, Polish, Slovak populations and Finnish populations within the reindeer management area as defined in paragraph 2 of the Finnish Act No 848/90 of 14 September 1990 on reindeer management)

Ursidae

Ursus arctos

Mustelidae

*Lutra lutra**Mustela eversmannii**Mustela lutreola**Vormela peregusna*

Felidae

*Felis silvestris**Lynx lynx* (except the Estonian population)*Lynx pardinus*

Phocidae

*Monachus monachus**Phoca hispida saimensis*

ARTIODACTYLA

Cervidae

Cervus elaphus corsicanus

Bovidae

*Bison bonasus**Capra aegagrus* (natural populations)*Capra pyrenaica pyrenaica*

Ovis gmelini musimon (*Ovis ammon musimon*) (natural populations — Corsica and Sardinia)

Ovis orientalis ophion (*Ovis gmelini ophion*)*Rupicapra pyrenaica ornata* (*Rupicapra rupicapra ornata*)*Rupicapra rupicapra balcanica**Rupicapra rupicapra tatica*

CETACEA

All species

REPTILES

TESTUDINATA

Testudinidae

Testudo graeca

▼ M3

Testudo hermanni

Testudo marginata

Cheloniidae

Caretta caretta

Chelonia mydas

Lepidochelys kempii

Eretmochelys imbricata

Dermochelyidae

Dermochelys coriacea

Emydidae

Emys orbicularis

Mauremys caspica

Mauremys leprosa

SAURIA

Lacertidae

Algyroides fitzingeri

Algyroides marchi

Algyroides moreoticus

Algyroides nigropunctatus

Gallotia atlantica

Gallotia galloti

Gallotia galloti insulanagae

Gallotia simonyi

Gallotia stehlini

Lacerta agilis

Lacerta bedriagae

Lacerta bonnali (Lacerta monticola)

Lacerta monticola

Lacerta danfordi

Lacerta dugesi

Lacerta graeca

Lacerta horvathi

Lacerta schreiberi

Lacerta trilineata

Lacerta viridis

Lacerta vivipara pannonica

Ophisops elegans

Podarcis erhardii

Podarcis filfolensis

Podarcis hispanica atrata

Podarcis lilfordi

Podarcis melisellensis

Podarcis milensis

Podarcis muralis

▼ M3*Podarcis peloponnesiaca**Podarcis pityusensis**Podarcis sicula**Podarcis taurica**Podarcis tiliguerta**Podarcis wagleriana*

Scincidae

*Ablepharus kitaibelii**Chalcides bedriagai**Chalcides ocellatus**Chalcides sexlineatus**Chalcides simonyi* (*Chalcides occidentalis*)*Chalcides viridianus**Ophiomorus punctatissimus*

Gekkonidae

*Cyrtopodion kotschy**Phyllodactylus europaeus**Tarentola angustimentalis**Tarentola boettgeri**Tarentola delalandii**Tarentola gomerensis*

Agamidae

Stellio stellio

Chamaeleontidae

Chamaeleo chamaeleon

Anguidae

Ophisaurus apodus

OPHIDIA

Colubridae

*Coluber caspius**Coluber cypriensis**Coluber hippocrepis**Coluber jugularis**Coluber laurenti**Coluber najadum**Coluber nummifer**Coluber viridiflavus**Coronella austriaca**Eirenis modesta**Elaphe longissima**Elaphe quatuorlineata**Elaphe situla**Natrix natrix cetti**Natrix natrix corsa*

▼ **M3***Natrix natrix cypriaca**Natrix tessellata**Telescopus falax*

Viperidae

*Vipera ammodytes**Macrovipera schweizeri* (*Vipera lebetina schweizeri*)*Vipera seoanni* (except Spanish populations)*Vipera ursinii**Vipera xanthina*

Boidae

*Eryx jaculus***AMPHIBIANS**

CAUDATA

Salamandridae

*Chioglossa lusitanica**Euproctus asper**Euproctus montanus**Euproctus platycephalus**Mertensiella luschani* (*Salamandra luschani*)*Salamandra atra**Salamandra aurorae**Salamandra lanzai**Salamandrina terdigitata**Triturus carnifex* (*Triturus cristatus carnifex*)*Triturus cristatus* (*Triturus cristatus cristatus*)*Triturus italicus**Triturus karelinii* (*Triturus cristatus karelinii*)*Triturus marmoratus**Triturus montandoni**Triturus vulgaris ampelensis*

Proteidae

Proteus anguinus

Plethodontidae

Hydromantes (*Speleomantes*) *ambrosii**Hydromantes* (*Speleomantes*) *flavus**Hydromantes* (*Speleomantes*) *genei**Hydromantes* (*Speleomantes*) *imperialis**Hydromantes* (*Speleomantes*) *strinatii* (*Hydromantes* (*Speleomantes*) *italicus*)*Hydromantes* (*Speleomantes*) *supramontis*

ANURA

Discoglossidae

*Alytes cisternasii**Alytes muletensis**Alytes obstetricans*

▼ **M3**

Bombina bombina
Bombina variegata
Discoglossus galganoi (including *Discoglossus 'jeanneae'*)
Discoglossus montalentii
Discoglossus pictus
Discoglossus sardus

Ranidae

Rana arvalis
Rana dalmatina
Rana graeca
Rana iberica
Rana italica
Rana latastei
Rana lessonae

Pelobatidae

Pelobates cultripes
Pelobates fuscus
Pelobates syriacus

Bufonidae

Bufo calamita
Bufo viridis

Hylidae

Hyla arborea
Hyla meridionalis
Hyla sarda

FISH**ACIPENSERIFORMES****Acipenseridae**

Acipenser naccarii
Acipenser sturio

SALMONIFORMES**Coregonidae**

Coregonus oxyrhynchus (anadromous populations in certain sectors of the North Sea, except the Finnish populations)

CYPRINIFORMES**Cyprinidae**

Anaocypris hispanica
Phoxinus phoxinus

ATHERINIFORMES**Cyprinodontidae**

Valencia hispanica

PERCIFORMES**Percidae**

Gymnocephalus baloni
Romanichthys valsanicola

▼ **M3***Zingel asper*

INVERTEBRATES

ARTHROPODS

CRUSTACEA

Isopoda

Armadillidium ghardalensis

INSECTA

Coleoptera

*Bolbelasmus unicornis**Buprestis splendens**Carabus hampei**Carabus hungaricus**Carabus olympiae**Carabus variolosus**Carabus zawadzskii**Cerambyx cerdo**Cucujus cinnaberinus**Dorcadion fulvum cervae**Duvalius gebhardti**Duvalius hungaricus**Dytiscus latissimus**Graphoderus bilineatus**Leptodirus hochenwarti**Pilemia tigrina**Osmoderma eremita**Phryganophilus ruficollis**Probaticus subrugosus**Propomacrus cypriacus**Pseudogaurotina excellens**Pseudoseriscius cameroni**Pytho kolwensis**Rosalia alpina*

Lepidoptera

*Apatura metis**Arytrura musculus**Catopta thrips**Chondrosoma fiduciarium**Coenonympha hero**Coenonympha oedippus**Colias myrmidone**Cucullia mixta**Dioszeghyana schmidtii**Erannis ankeraria**Erebia calcaria*

▼ M3

Erebia christi
Erebia sudetica
Eriogaster catax
Fabriciana elisa
Glyphipterix loricatella
Gortyna borelii lunata
Hypodryas maturna
Hyles hippophaes
Leptidea morsei
Lignyoptera fumidaria
Lopinga achine
Lycaena dispar
Lycaena helle
Maculinea arion
Maculinea nausithous
Maculinea teleius
Melanargia arge
Nymphalis vaualbum
Papilio alexanor
Papilio hospiton
Parnassius apollo
Parnassius mnemosyne
Phyllometra culminaria
Plebicula golgus
Polymixis rufocincta isolata
Polyommatus eroides
Proserpinus proserpina
Pseudophilotes bavius
Xylomoia strix
Zerynthia polyxena

Mantodea

Apteromantis aptera

Odonata

Aeshna viridis
Cordulegaster heros
Cordulegaster trinacriae
Gomphus graslinii
Leucorrhinia albifrons
Leucorrhinia caudalis
Leucorrhinia pectoralis
Lindenia tetrphylla
Macromia splendens
Ophiogomphus cecilia
Oxygastra curtisii

▼ **M3***Stylurus flavipes**Sympecma braueri*

Orthoptera

*Baetica ustulata**Brachytrupes megacephalus**Isophya costata**Isophya harzi**Isophya stysi**Myrmecophilus baronii**Odontopodisma rubripes**Paracaloptenus caloptenoides**Pholidoptera transsylvanica**Saga pedo**Stenobothrus (Stenobothrodes) eurasius*

ARACHNIDA

Araneae

*Macrothele calpeiana***MOLLUSCS**

GASTROPODA

*Anisus vorticulus**Caseolus calculus**Caseolus commixta**Caseolus sphaerula**Chilostoma banaticum**Discula leacockiana**Discula tabellata**Discula testudinalis**Discula turricula**Discus defloratus**Discus guerinianus**Elona quimperiana**Geomalacus maculosus**Geomitra moniziana**Gibbula nivosa**Hygromia kovacsi**Idiomela (Helix) subplicata**Lampedusa imitatrix**Lampedusa melitensis**Leiostyla abbreviata**Leiostyla cassida**Leiostyla corneocostata**Leiostyla gibba**Leiostyla lamellosa**Paladilhia hungarica*

▼ **M3***Patella ferruginea**Sadleriana pannonica**Theodoxus prevostianus**Theodoxus transversalis*

BIVALVIA

Anisomyaria

*Lithophaga lithophaga**Pinna nobilis*

Unionoida

*Margaritifera auricularia**Unio crassus*

Dreissenidae

Congeria kusceri

ECHINODERMATA

Echinoidea

Centrostephanus longispinus(b) **PLANTS**

Annex IV (b) contains all the plant species listed in Annex II (b) ⁽¹⁾ plus those mentioned below:

PTERIDOPHYTA

ASPLENIACEAE

Asplenium hemionitis L.**ANGIOSPERMAE**

AGAVACEAE

Dracaena draco (L.) L.

AMARYLLIDACEAE

Narcissus longispathus Pugsley*Narcissus triandrus* L.

BERBERIDACEAE

Berberis maderensis Lowe

CAMPANULACEAE

Campanula morettiana Reichenb.*Physoplexis comosa* (L.) Schur.

CARYOPHYLLACEAE

Moehringia fontqueri Pau

COMPOSITAE

Argyranthemum pinnatifidum (L.f.) Lowe subsp. *succulentum* (Lowe)
C. J. Humphries*Helichrysum sibthorpii* Rouy*Picris willkommii* (Schultz Bip.) Nyman*Santolina elegans* Boiss. ex DC.*Senecio caespitosus* Brot.*Senecio lagascanus* DC. subsp. *lusitanicus* (P. Cout.) Pinto da Silva*Wagenitzia lancifolia* (Sieber ex Sprengel) Dostal

⁽¹⁾ Except bryophytes in Annex II (b).

▼ M3

CRUCIFERAE

Murbeckiella sousae Rothm.

EUPHORBIACEAE

Euphorbia nevadensis Boiss. & Reuter

GESNERIACEAE

Jankaia heldreichii (Boiss.) Boiss.

Ramonda serbica Pancic

IRIDACEAE

Crocus etruscus Parl.

Iris boissieri Henriq.

Iris marisca Ricci & Colasante

LABIATAE

Rosmarinus tomentosus Huber-Morath & Maire

Teucrium charidemi Sandwith

Thymus capitellatus Hoffmanns. & Link

Thymus villosus L. subsp. *villosus* L.

LILIACEAE

Androcymbium europaeum (Lange) K. Richter

Bellevalia hackelli Freyn

Colchicum corsicum Baker

Colchicum cousturieri Greuter

Fritillaria conica Rix

Fritillaria drenovskii Degen & Stoy.

Fritillaria gussichiae (Degen & Doerfler) Rix

Fritillaria obliqua Ker-Gawl.

Fritillaria rhodocanakis Orph. ex Baker

Ornithogalum reverchonii Degen & Herv.-Bass.

Scilla beirana Samp.

Scilla odorata Link

ORCHIDACEAE

Ophrys argolica Fleischm.

Orchis scopulorum Simsm. ex Rehb.

Spiranthes aestivalis (Poiret) L. C. M. Richard

PRIMULACEAE

Androsace cylindrica DC.

Primula glaucescens Moretti

Primula spectabilis Tratt.

RANUNCULACEAE

Aquilegia alpina L.

SAPOTACEAE

Sideroxylon marmulano Banks ex Lowe

SAXIFRAGACEAE

Saxifraga cintrana Kuzinsky ex Willk.

Saxifraga portosanctana Boiss.

▼ M3

Saxifraga presolanensis Engl.

Saxifraga valdensis DC.

Saxifraga vayredana Luizet

SCROPHULARIACEAE

Antirrhinum lopesianum Rothm.

Lindernia procumbens (Krocker) Philcox

SOLANACEAE

Mandragora officinarum L.

THYMELAEACEAE

Thymelaea broterana P. Cout.

UMBELLIFERAE

Bunium brevifolium Lowe

VIOLACEAE

Viola athis W. Becker

Viola cazortensis Gandoger

▼ **M3***ANNEX V***ANIMAL AND PLANT SPECIES OF COMMUNITY INTEREST WHOSE
TAKING IN THE WILD AND EXPLOITATION MAY BE SUBJECT TO
MANAGEMENT MEASURES**

The species listed in this Annex are indicated:

- by the name of the species or subspecies, or
- by the body of species belonging to a higher taxon or to a designated part of that taxon.

The abbreviation ‘spp.’ after the name of a family or genus designates all the species belonging to that family or genus.

(a) **ANIMALS***VERTEBRATES***MAMMALS****RODENTIA**

Castoridae

Castor fiber (Finnish, Swedish, Latvian, Lithuanian, Estonian and Polish populations)

Cricetidae

Cricetus cricetus (Hungarian populations)

CARNIVORA

Canidae

Canis aureus

Canis lupus (Spanish populations north of the Duero, Greek populations north of the 39th parallel, Finnish populations within the reindeer management area as defined in paragraph 2 of the Finnish Act No 848/90 of 14 September 1990 on reindeer management, Bulgarian, Latvian, Lithuanian, Estonian, Polish and Slovak populations)

Mustelidae

Martes martes

Mustela putorius

Felidae

Lynx lynx (Estonian population)

Phocidae

All species not mentioned in Annex IV

Viverridae

Genetta genetta

Herpestes ichneumon

DUPLICIDENTATA

Leporidae

Lepus timidus

ARTIODACTYLA

Bovidae

Capra ibex

Capra pyrenaica (except *Capra pyrenaica pyrenaica*)

Rupicapra rupicapra (except *Rupicapra rupicapra balcanica*, *Rupicapra rupicapra ornata* and *Rupicapra rupicapra tatrica*)

▼ **M3****AMPHIBIANS**

ANURA

Ranidae

*Rana esculenta**Rana perezi**Rana ridibunda**Rana temporaria***FISH**

PETROMYZONIFORMES

Petromyzonidae

*Lampetra fluviatilis**Lethenteron zanandrai*

ACIPENSERIFORMES

Acipenseridae

All species not mentioned in Annex IV

CLUPEIFORMES

Clupeidae

Alosa spp.

SALMONIFORMES

Salmonidae

*Thymallus thymallus**Coregonus spp. (except Coregonus oxyrhynchus — anadromous populations in certain sectors of the North Sea)**Hucho hucho**Salmo salar (only in fresh water)*

CYPRINIFORMES

Cyprinidae

*Aspius aspius**Barbus spp.**Pelecus cultratus**Rutilus friesii meidingeri**Rutilus pigus*

SILURIFORMES

Siluridae

Silurus aristotelis

PERCIFORMES

Percidae

*Gymnocephalus schraetzer**Zingel zingel*

INVERTEBRATES

COELENTERATA

CNIDARIA

Corallium rubrum

▼ **M3****MOLLUSCA**

GASTROPODA — STYLOMMATOPHORA

Helix pomatia

BIVALVIA — UNIONOIDA

Margaritiferidae

Margaritifera margaritifera

Unionidae

*Microcondylaea compressa**Unio elongatulus***ANNELIDA**

HIRUDINOIDEA — ARHYNCHOBDELLAE

Hirudinidae

*Hirudo medicinalis***ARTHROPODA**

CRUSTACEA — DECAPODA

Astacidae

*Astacus astacus**Austropotamobius pallipes**Austropotamobius torrentium*

Scyllaridae

Scyllarides latus

INSECTA — LEPIDOPTERA

Saturniidae

Graellsia isabellae(b) **PLANTS****ALGAE**

RHODOPHYTA

CORALLINACEAE

Lithothamnium coralloides Crouan frat.*Phymatholithon calcareum* (Poll.) Adey & McKibbin**LICHENES**

CLADONIACEAE

Cladonia L. subgenus *Cladina* (Nyl.) Vain.**BRYOPHYTA**

MUSCI

LEUCOBRYACEAE

Leucobryum glaucum (Hedw.) AAngstr.

SPHAGNACEAE

Sphagnum L. spp. (except *Sphagnum pylaisii* Brid.)**PTERIDOPHYTA***Lycopodium* spp.**ANGIOSPERMAE**

AMARYLLIDACEAE

Galanthus nivalis L.

▼ M3*Narcissus bulbocodium* L.*Narcissus juncifolius* Lagasca

COMPOSITAE

Arnica montana L.*Artemisia eriantha* Tem*Artemisia genipi* Weber*Doronicum plantagineum* L. subsp. *tournefortii* (Rouy) P. Cout.*Leuzea rhaponticoides* Graells

CRUCIFERAE

Alyssum pintadasilvae Dudley.*Malcolmia lacera* (L.) DC. subsp. *gracilima* (Samp.) Franco*Murbeckiella pinnatifida* (Lam.) Rothm. subsp. *herminii* (Rivas-Martinez)
Greuter & Burdet

GENTIANACEAE

Gentiana lutea L.

IRIDACEAE

Iris lusitanica Ker-Gawler

LABIATAE

Teucrium salviastrum Schreber subsp. *salviastrum* Schreber

LEGUMINOSAE

Anthyllis lusitanica Cullen & Pinto da Silva*Dorycnium pentaphyllum* Scop. subsp. *transmontana* Franco*Ulex densus* Welw. ex Webb.

LILIACEAE

Lilium rubrum Lmk*Ruscus aculeatus* L.

PLUMBAGINACEAE

Armeria sampaio (Bernis) Nieto Feliner

ROSACEAE

Rubus genevieri Boreau subsp. *herminii* (Samp.) P. Cout.

SCROPHULARIACEAE

Anarrhinum longipedicelatum R. Fernandes*Euphrasia mendonçae* Samp.*Scrophularia grandiflora* DC. subsp. *grandiflora* DC.*Scrophularia berminii* Hoffmanns & Link*Scrophularia sublyrata* Brot.

*ANNEX VI***PROHIBITED METHODS AND MEANS OF CAPTURE AND KILLING
AND MODES OF TRANSPORT****(a) Non-selective means****MAMMALS**

- Blind or mutilated animals used as live decoys
- Tape recorders
- Electrical and electronic devices capable of killing or stunning
- Artificial light sources
- Mirrors and other dazzling devices
- Devices for illuminating targets
- Sighting devices for night shooting comprising an electronic image magnifier or image converter
- Explosives
- Nets which are non-selective according to their principle or their conditions of use
- Traps which are non-selective according to their principle or their conditions of use
- Crossbows
- Poisons and poisoned or anaesthetic bait
- Gassing or smoking out
- Semi-automatic or automatic weapons with a magazine capable of holding more than two rounds of ammunition

FISH

- Poison
- Explosives

(b) Modes of transport

- Aircraft
- Moving motor vehicles