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2016-06-07

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# A Marine habitats

## A2 Littoral sediment

**A2.5** Coastal saltmarshes and saline reedbeds

**A2.51** Saltmarsh driftlines

**A2.511** Atlantic saltmarsh and drift rough grass communities

**A2.512** Atlantic saltmarsh driftline annual communities

**A2.513** Mediterranean saltmarsh driftlines

**A2.52** Upper saltmarshes

**A2.521** Atlantic and Baltic brackish saltmarsh communities

**A2.5211** Pearlwort-saltmarsh grass swards

 **A2.522** Mediterranean *Juncus maritimus* and *Juncus acutus* saltmarshes

**A2.5221.ES** Juncales altos litorales de Juncus maritimus o J. acutus sobre suelos periódicamente inundados

**A2.52211.ES** Juncales litorales de Juncus maritimus, subhalófilos

**A2.52212.ES** Juncales litorales de Juncus acutus, generalmente sobre suelos salobres o salinos

**A2.5222.ES** Juncales altos del interior ibérico de Juncus maritimus o J. acutus sobre suelos periódicamente inundados

**A2.52221.ES** Juncales altos del interior ibérico de Juncus maritimus, subhalófilos

**A2.52222.ES** Juncales altos del interior ibérico de Juncus acutus, en ocasiones con Scirpoides holoschoenus, generalmente sobre suelos salobres o salinos

**A2.5223.ES** Juncales altos de Juncus maritimus o J. acutus sobre suelos periódicamente inundados del norte de África

**A2.523** Mediterranean short *Juncus*, *Carex*, *Hordeum* and *Trifolium* saltmeadows

**A2.524** Mediterranean *Elymus* or *Artemisia* stands

**A2.525** Mediterranean *Juncus subulatus* beds

**A2.526** Mediterranean saltmarsh scrubs

**A2.5261** Creeping glasswort mats

**A2.5262** Shrubby glasswort thickets

**A2.5263** Glaucous glasswort thickets

**A2.5264** Shrubby seablite thickets

**A2.5265** Mediterranean sea-purslane-woody glasswort scrubs

**A2.5266** Mediterranean *Halocnemum* scrub

**A2.526A.ES** Matorrales de Inula crithmoides, de suelos moderadamente salinos, no muy húmedos

**A2.527** Atlantic salt scrubs

**A2.5271** Silver scrubs

**A2.5272** Atlantic creeping glasswort mats

**A2.5273** Atlantic shrubby seablite scrubs

**A2.5274** Atlantic shrubby glasswort scrubs

**A2.528** Mediterranean *Limoniastrum* scrubs

**A2.529** Canary Island saltmarsh scrubs

**A2.5291.ES** Formaciones de Arthrocnemum perenne

**A2.5292.ES** Formaciones marismeñas de Zygophyllum fontanesii asociadas con Arthrocnemum glaucum

**A2.5293.ES** Formaciones marismeñas de Salsola divaricata

**A2.53** Mid-upper saltmarshes and saline and brackish reed, rush and sedge beds

**A2.531** Atlantic upper shore communities

**A2.5311** Atlantic *Juncus gerardii* saltmeadows

**A2.5312** Atlantic *Plantago maritima* saltmeadows

**A2.5313** Atlantic *Festuca rubra*-*Agrostis stolonifera* swards

**A2.5314** Atlantic thrift swards

**A2.5315** Atlantic *Carex distans* beds

**A2.5316** Atlantic *Carex extensa* saltmeadows

**A2.5317** Atlantic sea lavender meadows

**A2.5319** Atlantic *Eleocharis* salt meadows

**A2.531A** Atlantic *Juncus maritimus* beds

**A2.531D** Atlantic sea-heath communities

**A2.531E** Atlantic upper schorre sea aster beds

**A2.532** Mediterranean halo-psammophile meadows

**A2.54** Low-mid saltmarshes

**A2.541** Atlantic saltmarsh grass lawns

**A2.542** Atlantic lower shore communities

**A2.5421** Sea purslane-saltmarsh grass meadows

**A2.5422** Sea aster-saltmarsh grass meadows

**A2.5423** Glasswort-saltmarsh grass meadows

**A2.543** Mediterranean coastal-saltmarsh grass swards

**A2.55** Pioneer saltmarshes

**A2.551** *Salicornia*, *Suaeda* and *Salsola* pioneer saltmarshes

**A2.5516** Low-shore Mediterranean glasswort swards

**A2.552** Mediterranean coastal halo-nitrophilous pioneer communities

**A2.5521.ES** Comunidades anuales halonitrófilas, frecuentemente con Frankenia pulverulenta, Suaeda splendens, etc., del litoral mediterráneo y termo-atlántico

**A2.5522.ES** Comunidades anuales halonitrófilas con Sphenopus divaricatus, Parapholis incurva, Polypogon maritimus, etc., del litoral mediterráneo y termo-atlántico

**A2.5523.ES** Comunidades halonitrófilas dominadas por Cressa cretica, del litoral mediterráneo y termo-atlántico

**A2.5524.ES** Comunidades halonitrófilas dominadas por Hordeum marinum, del litoral mediterráneo y termo-atlántico

**A2.5525.ES** Comunidades halonitrófilas dominadas por quenopodiáceas anuales (Chenopodium spp., Suaeda splendens, etc.), del litoral mediterráneo y termo-atlántico

**A2.5526.ES** Comunidades halonitrófilas con Sagina maritima, Spergularia spp., Mesembryanthemum nodiflorum o Patellifolia patellaris, del litoral mediterráneo y termo-atlántico

**A2.553** Atlantic *Sagina maritima* communities

**A2.554** Flat-leaved *Spartina* swards

**A2.5542** *Spartina alterniflora* with *Spartina anglica*, *Puccinellia maritima* and *Aster tripolium*

**A2.5543** *Spartina maritima* pioneer saltmarshes

**A2.555** *Spartina densiflora* swards

**A2.55A.ES** Herbazales junciformes de Spartina versicolor

# B Coastal habitats

## B1 Coastal dunes and sandy shores

**B1.1** Sand beach driftlines

**B1.12** Middle European sand beach annual communities

**B1.13** Tethyan sand beach driftline communities

**B1.131** Western Tethyan sand beach annual communities

**B1.2** Sand beaches above the driftline

**B1.3** Shifting coastal dunes

**B1.31** Embryonic shifting dunes

**B1.311** Atlantic embryonic dunes

**B1.312** Western Tethyan embryonic dunes

**B1.32** White dunes

**B1.321** Atlantic white dunes

**B1.322** Western Tethyan white dunes

**B1.3227.ES** Dunas móviles del litoral balear

**B1.323** Canario-Saharan white dunes

**B1.4** Coastal stable dune grassland (grey dunes)

**B1.42** Biscay fixed grey dunes

**B1.43** Mediterraneo-Atlantic fixed grey dunes

**B1.47** Dune fine-grass annual communities

**B1.48** Tethyan dune deep sand therophyte communities

**B1.49** Dune Mediterranean xeric grassland

**B1.4A** Thermo-Atlantic succulent and semi-fixed dunes

**B1.5** Coastal dune heaths

**B1.52** *Calluna vulgaris* brown dunes

**B1.526** Iberian green heather coastal dune heaths

**B1.527** Iberian Dorset heath coastal dune heaths

**B1.6** Coastal dune scrub

**B1.61** Coastal dune thickets

**B1.612** Western nemoral mixed dune thickets

**B1.63** Dune *Juniperus* thickets

**B1.631** Dune prickly juniper thickets

**B1.632** Lycian juniper thickets

**B1.64** Dune sclerophyllous scrubs and thickets

**B1.7** Coastal dune woods

**B1.74** Coastal brown dunes covered with natural or almost natural thermophilous pines

**B1.75.ES** Dunas costeras ibero-baleáricas colonizadas por quercíneas perennifolias o caducifolias (Quercus ilex, Q. suber, Q. robur, Q. humilis)

**B1.8** Moist and wet dune slacks

**B1.81** Dune-slack pools

**B1.82** Dune-slack pioneer swards

**B1.83** Dune-slack fens

**B1.84** Dune-slack grassland and heaths

**B1.85** Dune-slack reedbeds, sedgebeds and canebeds

**B1.86** Coastal dunes: wet dune slacks: dominated by shrubs or trees

## B2 Coastal shingle

**B2.1** Shingle beach driftlines

**B2.12** Atlantic and Baltic shingle beach drift lines

**B2.13** Gravel beach communities of the mediterranean region

**B2.15.ES** Comunidades anuales que colonizan acúmulos de desechos marinos y guijarrales nitrificados del litoral canario

**B2.2** Unvegetated mobile shingle beaches above the driftline

**B2.3** Upper shingle beaches with open vegetation

**B2.35.ES** Vegetación perenne colonizadora de bancos de guijarros galaico-cantábricos

## B3 Rock cliffs, ledges and shores, including the supralittoral

**B3.3** Rock cliffs, ledges and shores, with angiosperms

**B3.31** Atlantic sea-cliff communities

**B3.33** Tethyan sea-cliff communities

**B3.331** Western Tethyan sea-cliff communities

**B3.3311.ES** Comunidades de acantilados del suroeste ibérico

**B3.3312.ES** Comunidades de acantilados del litoral mediterráneo galo-ibérico

**B3.33121.ES** Acantilados litorales del cabo de Creus, con Armeria ruscinonensis o Plantago subulata

**B3.33122.ES** Acantilados litorales de la costa septentrional catalana con Daucus gingidium

**B3.33123.ES** Acantilados litorales de la costa central y meridional catalana

**B3.33124.ES** Acantilados rocosos septentrionales castellonenses con Limonium girardianum

**B3.33125.ES** Acantilados y rocas volcánicas de las Islas Columbretes con Daucus gingidium subsp. commutatus y Sonchus dianae

**B3.33126.ES** Acantilados rocosos del litoral central valenciano con Limonium dufourii

**B3.33127.ES** Acantilados rocosos del litoral diánico con Limonium rigualii

**B3.33128.ES** Acantilados del litoral alicantino y murciano-almeriense con Limonium cossonianum

**B3.33129.ES** Acantilados del litoral malacitano-almijarense con Limonium malacitanum

**B3.3313.ES** Comunidades de acantilados de las Islas Baleares

**B3.331F.ES** Comunidades de acantilados del norte de África

**B3.34** Canary Island and Madeiran sea-cliff communities

**B3.5.ES** Comunidades vegetales de acantilados del oeste del mar de Tetis en sustratos poco consolidados, sin especies de Crithmo-Limonietalia

**B3.51.ES** Comunidades de acantilados en sustratos poco consolidados del suroeste ibérico

**B3.52.ES** Comunidades de acantilados en sustratos poco consolidados del litoral mediterráneo galo-ibérico

**B3.53.ES** Comunidades de acantilados en sustratos poco consolidados de las Islas Baleares

**B3.54.ES** Comunidades de acantilados en sustratos poco consolidados del norte de África

# C Inland surface waters

## C1 Surface standing waters

**C1.1** Permanent oligotrophic lakes, ponds and pools

**C1.11** Benthic communities of oligotrophic waterbodies

**C1.12** Rooted submerged vegetation of oligotrophic waterbodies

**C1.13** Rooted floating vegetation of oligotrophic waterbodies

**C1.131** Oligotrophic pondweed communities

**C1.14** Charophyte submerged carpets in oligotrophic waterbodies

**C1.141** *Chara* carpets

**C1.142** *Nitella* carpets

**C1.15** Peatmoss and *Utricularia* communities of oligotrophic waterbodies

**C1.2** Permanent mesotrophic lakes, ponds and pools

**C1.21** Benthic communities of mesotrophic waterbodies

**C1.22** Free-floating vegetation of mesotrophic waterbodies

**C1.221** Duckweed covers

**C1.222** Floating *Hydrocharis morsus-ranae* rafts

**C1.224** Floating *Utricularia australis* and *Utricularia vulgaris* colonies

**C1.225** Floating *Salvinia natans* mats

**C1.227.ES** Poblaciones de lechuga de agua (Pistia stratiotes)

**C1.228.ES** Poblaciones de jacinto de agua (Eichornia crassipes)

**C1.23** Rooted submerged vegetation of mesotrophic waterbodies

**C1.231** Large pondweed beds

**C1.232** Small pondweed communities

**C1.2321.ES** Comunidades de Potamogeton spp.

**C1.2322.ES** Comunidades de Elodea, Vallisneria, etc.

**C1.2323.ES** Comunidades de Najas spp.

**C1.2324.ES** Comunidades de Zannichellia spp.

**C1.2326.ES** Comunidades de Ceratophyllum spp.

**C1.2327.ES** Comunidades de Myriophyllum spp.

**C1.24** Rooted floating vegetation of mesotrophic waterbodies

**C1.241** Floating broad-leaved carpets

**C1.2411** Waterlily beds

**C1.24111** *Nuphar* beds

**C1.24112** Northern *Nymphaea* beds

**C1.2413** Fringed waterlily carpets

**C1.2414** Broad-leaved pondweed carpets

**C1.2415** Amphibious bistort carpets

**C1.25** Charophyte submerged carpets in mesotrophic waterbodies

**C1.3** Permanent eutrophic lakes, ponds and pools

**C1.31** Benthic communities of eutrophic waterbodies

**C1.32** Free-floating vegetation of eutrophic waterbodies

**C1.33** Rooted submerged vegetation of eutrophic waterbodies

**C1.34** Rooted floating vegetation of eutrophic waterbodies

**C1.341** Shallow-water floating communities

**C1.3411** *Ranunculus* communities in shallow water

**C1.3412** Water starwort communities

**C1.4** Permanent dystrophic lakes, ponds and pools

**C1.41** Benthic communities of dystrophic waterbodies

**C1.42** Rooted submerged vegetation of dystrophic waterbodies

**C1.43** Rooted floating vegetation of dystrophic waterbodies

**C1.44** Charophyte submerged carpets in dystrophic waterbodies

**C1.5** Permanent inland saline and brackish lakes, ponds and pools

**C1.51** Athalassic saline lakes

**C1.511** Salt basins and salt basin pelagic communities

**C1.5112** Mediterranean salt lakes

**C1.512** Submerged charophyte carpets in inland saline or hypersaline waterbodies

**C1.513** Salt basin benthic communities

**C1.52** Athalassic saline euhydrophyte communities

**C1.521** Submerged macrophyte communities of inland saline and brackish waters

**C1.5211** Athalassic tasselweed communities

**C1.6** Temporary lakes, ponds and pools

**C1.61** Lime-deficient oligotrophic temporary waters

**C1.62** Mesotrophic temporary waters

**C1.63** Eutrophic temporary waters

**C1.64** Dystrophic temporary waters

**C1.65** Lime-rich oligo-mesotrophic temporary waters

**C1.67** Turlough and lake-bottom meadows

**C1.69** Rooted floating vegetation of temporary waterbodies

## C2 Surface running waters

**C2.1** Springs, spring brooks and geysers

**C2.12** Hard water springs

**C2.121** Petrifying springs with tufa or travertine formations

**C2.14** Thermal springs

**C2.141** Mediterranean thermal springs

**C2.142** Macaronesian thermal springs

**C2.144** Peri-Alpine thermal springs

**C2.16** Crenal streams (spring brooks)

**C2.18** Acid oligotrophic vegetation of spring brooks

**C2.19** Lime-rich oligotrophic vegetation of spring brooks

**C2.1A** Mesotrophic vegetation of spring brooks

**C2.1B** Eutrophic vegetation of spring brooks

**C2.2** Permanent non-tidal, fast, turbulent watercourses

**C2.21** Epirhithral and metarhithral streams

**C2.22** Hyporhithral streams

**C2.24** Waterfalls

**C2.25** Acid oligotrophic vegetation of fast-flowing streams

**C2.26** Lime-rich oligotrophic vegetation of fast-flowing streams

**C2.27** Mesotrophic vegetation of fast-flowing streams

**C2.28** Eutrophic vegetation of fast-flowing streams

**C2.3** Permanent non-tidal, smooth-flowing watercourses

**C2.31** Epipotamal streams

**C2.32** Metapotamal and hypopotamal streams

**C2.33** Mesotrophic vegetation of slow-flowing rivers

**C2.34** Eutrophic vegetation of slow-flowing rivers

**C2.4** Tidal rivers, upstream from the estuary

**C2.43** Mesotrophic vegetation of tidal rivers

**C2.44** Eutrophic vegetation of tidal rivers

**C2.5** Temporary running waters

## C3 Littoral zone of inland surface waterbodies

**C3.1** Species-rich helophyte beds

**C3.11** Beds of small helophytes of fast-flowing waters

**C3.2** Water-fringing reedbeds and tall helophytes other than canes

**C3.21** *Phragmites australis* beds

**C3.211** Flooded *Phragmites* beds

**C3.2111** Freshwater *Phragmites* beds

**C3.2112** Inland saline water [Phragmites] beds

**C3.22** *Scirpus lacustris* beds

**C3.23** *Typha* beds

**C3.231** *Typha latifolia* beds

**C3.232** *Typha angustifolia* beds

**C3.233.ES** Formaciones de Typha domingensis

**C3.24** Medium-tall non-graminoid waterside communities

**C3.242** Neglected bur-reed communities

**C3.243** Erect bur-reed communities

**C3.245** Flowering rush communities

**C3.247** Water horsetail beds

**C3.249** Marestail beds

**C3.24A** Common spikerush beds

**C3.24B** Iris beds

**C3.26** *Phalaris arundinacea* beds

**C3.27** Halophile *Scirpus* beds

**C3.28** Riparian *Cladium mariscus* beds

**C3.3** Water-fringing beds of tall canes

**C3.31** *Saccharum ravennae* communities

**C3.311.ES** Formaciones dominadas por Imperata cylindrica

**C3.312.ES** Formaciones dominadas por Saccharum ravennae

**C3.313.ES** Cañaverales de Arundo plinii

**C3.32** *Arundo donax* beds

**C3.4** Species-poor beds of low-growing water-fringing or amphibious vegetation

**C3.41** Euro-Siberian perennial amphibious communities

**C3.411** Shoreweed lawns, lobelia ponds, quillwort swards

**C3.4111** Shoreweed lawns

**C3.4113** Euro-Siberian quillwort swards

**C3.4114** Floating bur-reed communities

**C3.412** Spike-rush shallow-water swards

**C3.413** Acid pool fringe shallow-water swards

**C3.4131** *Eleocharis multicaulis* communities

**C3.4132** Dune slack shoreweed swards

**C3.4133** *Pilularia* swards

**C3.4134** *Juncus bulbosus* communities

**C3.4135** *Scirpus fluitans* communities

**C3.4136** *Apium inundatum* communities

**C3.4137.ES** Formaciones de Juncus heterophyllus

**C3.414** *Baldellia* shore swards

**C3.42** Mediterraneo-Atlantic amphibious communities

**C3.421** Short Mediterranean amphibious communities

**C3.4211** Terrestrial quillwort communities

**C3.4212** Mediterranean aquatic quillwort swards

**C3.4214** Mediterranean small galingale swards

**C3.4215** Mediterranean *Fimbristylis* swards

**C3.4216** Mediterranean *Chaetopogon* swards

**C3.4217** Bog pimpernell-summer lady's tresses communities

**C3.4218** Mediterranean amphibious small herb communities

**C3.4219** Mediterranean dwarf *Scirpus* swards

**C3.421A** Mediterranean *Eleocharis* swards

**C3.422** Tall Mediterranean amphibious communities

**C3.423** Mediterranean amphibious crypsis swards

**C3.44** *Eleocharis parvula* and *Eleocharis acicularis* beds of inland saline and brackish waters

**C3.5** Periodically inundated shores with pioneer and ephemeral vegetation

**C3.51** Euro-Siberian dwarf annual amphibious swards

**C3.513** Dwarf toad-rush communities

**C3.5131** Toad-rush swards

**C3.5132** Swards of small *Cyperus* species

**C3.5133** Wet ground dwarf herb communities

**C3.52** *Bidens* communities (of lake and pond shores)

**C3.53** Euro-Siberian annual river mud communities

**C3.55** Sparsely vegetated river gravel banks

**C3.551** Boreo-alpine stream gravel habitats

**C3.552** Montane river gravel habitats

**C3.5522** Small-reed river gravel communities

**C3.55222** Pyreneo-Cantabric small-reed river gravel communities

**C3.553** Mediterranean river gravel habitats

**C3.554** Northern lowland river gravel communities

**C3.6** Unvegetated or sparsely vegetated shores with soft or mobile sediments

**C3.61** Unvegetated river sand banks

**C3.62** Unvegetated river gravel banks

**C3.63** Unvegetated river mud banks

**C3.64** Exposed unvegetated freshwater lake sands and shingles

**C3.65** Exposed unvegetated freshwater lake muds

**C3.66** Exposed unvegetated beaches of inland saline and brackish waters with soft sediments

**C3.7** Unvegetated or sparsely vegetated shores with non-mobile substrates

**C3.71** Periodically exposed river-bed rocks, pavements and blocks

# D Mires, bogs and fens

## D1 Raised and blanket bogs

**D1.1** Raised bogs

**D1.11** Active, relatively undamaged raised bogs

**D1.111** Raised bog hummocks, ridges and lawns

**D1.1111** Colourful sphagnum hummocks (bulten)

**D1.11111** *Sphagnum magellanicum* hummocks

**D1.11114** *Sphagnum rubellum* hummocks

**D1.11116** *Sphagnum papillosum* hummocks

**D1.11117** *Sphagnum capillifolium* hummocks

**D1.1112** Bog cottonsedge-sphagnum lawns and green hummock bases

**D1.1113** Dwarf shrub hummocks

**D1.11131** Ling dwarf shrub hummocks

**D1.11132** Cross-leaved heather shrub hummocks

**D1.11134** *Vaccinium* shrub hummocks

**D1.11136** Bog myrtle hummocks

**D1.1115** Bog *Erica-Sphagnum* communities

**D1.113** Raised bog seeps and soaks

**D1.1131** Bog asphodel seeps

**D1.12** Damaged, inactive bogs

**D1.121** Damaged, inactive bogs, dominated by dense *Molinia*

**D1.14** *Myrica gale* scrub on raised bogs

**D1.2** Blanket bogs

**D1.21** Hyperoceanic low-altitude blanket bogs, typically with dominant *Trichophorum*

**D1.214** Western Irish *Drosera intermedia* flush communities

**D1.215** Western Irish *Juncus bulbosus* flush communities

**D1.22** Montane blanket bogs, *Calluna* and *Eriophorum vaginatum* often dominant

**D1.226** Hiberno-Britannic upland blanket bog wet heaths

## D2 Valley mires, poor fens and transition mires

**D2.2** Poor fens and soft-water spring mires

**D2.21** *Eriophorum scheuchzeri* fens

**D2.22** *Carex nigra*, *Carex canescens*, *Carex echinata* fens

**D2.224** Pyrenean black sedge acidic fens

**D2.2241.ES** Pastos higroturbosos de Carex nigra, ácidos, pirenaicos

**D2.2242.ES** Turberas pirenaicas de esfagnos y Carex nigra

**D2.2243.ES** Formaciones residuales de esfagnos, de los territorios extrapirenaicos

**D2.2244.ES** Turberas dominadas por brecina (Calluna vulgaris)

**D2.2245.ES** Comunidades con dominancia de Narthecium ossifragum, de los Pirineos centrales

**D2.225** Iberian black sedge acidic fens

**D2.227.ES** Pastos higroturbosos de Carex nigra, ácidos, del Sistema Ibérico

**D2.24** *Carex intricata* pozzines (wet depressions surrounding glacial lakes)

**D2.241** Nevadan Borreguile fens

**D2.25** *Trichophorum cespitosum* and *Narthecium ossifragum* acidic fens

**D2.252** Pyrenean deergrass and bog asphodel acidic fens

**D2.253** Cantabrian deergrass and bog asphodel acidic fens

**D2.26** *Eriophorum angustifolium* fens

**D2.2A** *Myrica gale* scrub on poor fens

**D2.2C** Soft water spring mires

**D2.2C1** Soft water bryophyte springs

**D2.2C2** Bittercress springs

**D2.2C3** Oro-Mediterranean soft water spring mires

**D2.2C31.ES** Comunidades fontinales ibéricas dominadas por nomeolvides (Myosotis spp.)

**D2.2C4.ES** Comunidades fontinales dominadas por Saxifraga aquatica, de los manantiales caudalosos y de agua blanda, de la alta montaña pirenaica

**D2.3** Transition mires and quaking bogs

**D2.31** *Carex lasiocarpa* swards

**D2.311** Brown moss slender-sedge swards

**D2.312** Sphagnum slender-sedge swards

**D2.33** *Carex rostrata* quaking mires

**D2.331** Acidocline bottle sedge quaking mires

**D2.332** Basicline bottle sedge quaking mires

**D2.3321** Basicline sphagnum-bottle sedge quaking mires

**D2.34** *Carex limosa* swards

**D2.342** Sphagnum-mud sedge swards

**D2.37** *Rhynchospora alba* quaking bogs

**D2.38** *Sphagnum* and *Eriophorum* rafts

**D2.39** *Menyanthes trifoliata* and *Potentilla palustris* rafts

**D2.391** Boreo-nemoral bog bean and marsh cinquefoil rafts

**D2.3B** Brown moss carpets

**D2.3C** *Eriophorum vaginatum* quaking bogs

**D2.3D** *Molinia caerulea* quaking bogs

**D2.3G** Iberian quaking bogs

**D2.3H** Wet, open, acid peat and sand, with *Rhynchospora alba* and *Drosera*

**D2.3H1** Nemoral bare peat communities

## D4 Base-rich fens and calcareous spring mires

**D4.1** Rich fens, including eutrophic tall-herb fens and calcareous flushes and soaks

**D4.11** *Schoenus nigricans* fens

**D4.14** Pyrenean *Carex davalliana* fens

**D4.15** *Carex dioica*, *Carex pulicaris* and *Carex flava* fens

**D4.154** Cantabrian yellow sedge fens

**D4.155** Eastern Iberian rich fens

**D4.16** *Carex nigra* alkaline fens

**D4.161** Middle European black sedge rich fens

**D4.18** *Carex frigida* fens

**D4.1A** *Eleocharis quinqueflora* fens

**D4.1E** *Trichophorum cespitosum* alkaline fens

**D4.1G** Small herb alkaline fens

**D4.1I** Tall herb fens

**D4.1M** *Myrica gale* scrub on rich fens

**D4.1N** Hard water spring mires

**D4.1N1** Middle European calcareous spring mires

**D4.2** Basic mountain flushes and streamsides, with a rich arctic-montane flora

**D4.22** Alpine riverine *Carex maritima* (*Carex incurva*) swards

**D4.27.ES** Comunidades higroturbosas de Carex frigida del piso alpino del Pirineo

## D5 Sedge and reedbeds, normally without free-standing water

**D5.1** Reedbeds normally without free-standing water

**D5.11** *Phragmites australis* beds normally without free-standing water

**D5.111** Dry freshwater *Phragmites* beds

**D5.12** *Scirpus lacustris* beds normally without free-standing water

**D5.13** *Typha* beds normally without free-standing water

**D5.131** *Typha latifolia* beds normally without free-standing water

**D5.132** *Typha angustifolia* beds normally without free-standing water

**D5.133.ES** Formaciones de Typha domingensis normalmente no ligadas a cuerpos de agua

**D5.2** Beds of large sedges normally without free-standing water

**D5.21** Beds of large *Carex* spp.

**D5.211** Brown sedge beds

**D5.212** Slender tufted sedge beds and related communities

**D5.2121** Slender tufted sedge beds

**D5.2122** Lesser pond sedge beds

**D5.2126** Brotero sedge beds

**D5.2128** *Carex hispida* beds

**D5.213** Greater pond sedge beds

**D5.214** Bottle, bladder and slender sedge beds

**D5.2141** Bottle sedge beds

**D5.2142** Bladder sedge beds

**D5.215** Tufted sedge and sward sedge tussocks

**D5.2151** Tufted sedge tussocks

**D5.2152** Sward sedge tussocks

**D5.216** Greater tussock sedge tussocks

**D5.218** Cyperus sedge tussocks

**D5.219** Fox sedge tussocks

**D5.2192** False fox sedge tussocks

**D5.22** Tall *Cyperus* beds, other than *Cyperus papyrus*

**D5.224.ES** Formaciones de Cyperus altos ibéricos autóctonos (C. longus, C. difformis, C. distachyos, C. glomeratus, C. serotinus)

**D5.24** Fen *Cladium mariscus* beds

**D5.25** Valencia *Cladium* islands

**D5.3** Swamps and marshes dominated by *Juncus effusus* or other large *Juncus* spp.

## D6 Inland saline and brackish marshes and reedbeds

**D6.1** Inland saltmarshes

**D6.15** Interior Iberian *Microcnemum* and *Salicornia* swards

**D6.151** Iberian *Microcnemum* swards

**D6.152** Iberian interior *Salicornia* swards

**D6.153.ES** Salicorniares herbáceos de Halopeplis amplexicaulis interiores

**D6.2** Inland saline or brackish species-poor helophyte beds normally without free-standing water

**D6.21** Dry halophile *Phragmites* beds

**D6.22** *Cyperus laevigatus* beds

**D6.23** Interior Iberian salt pan meadows

# E Grasslands and lands dominated by forbs, mosses or lichens

## E1 Dry grasslands

**E1.1** Inland sand and rock with open vegetation

**E1.11** Euro-Siberian rock debris swards

**E1.111** Middle European stonecrop swards

**E1.1111.ES** Pastizales de Sedum spp. de suelos esqueléticos y rellanos de rocas silíceas

**E1.1112.ES** Pastizales de Sedum album y otras uvas de gato (Sedum spp.), de suelos esqueléticos y rellanos de rocas calcáreas

**E1.114** Middle European rock debris small forb communities

**E1.2** Perennial calcareous grassland and basic steppes

**E1.26** Sub-Atlantic semi-dry calcareous grassland

**E1.262** Middle European *Bromus erectus* semidry grasslands

**E1.262J** Western Pyrenean *Mesobromion*

**E1.262K** Western Iberian *Mesobromion*

**E1.263** Middle European *Brachypodium* semidry grasslands

**E1.263K.ES** Pastos calcícolas y mesófilos, dominados por Brachypodium pinnatum (incl. B. rupestre) de la Cordillera Cantábrica y Montes Vascos

**E1.263M.ES** Pastos calcícolas y mesófilos dominados por Brachypodium pinnatum (incl. B. rupestre), de los pisos montano y subalpino de los Pirineos centrales y orientales

**E1.265** Middle European *Sesleria* semidry grasslands

**E1.265J.ES** Pastos calcícolas y mesoxerófilos con Sesleria albicans, Primula veris subsp. columnae, Carex humilis, etc., montanos y subalpinos del Pirineo occidental

**E1.265K.ES** Pastos calcícolas y mesoxerófilos con Sesleria albicans, S. argentea, Helictotrichon cantabricum, etc., de la Cordillera Cantábrica y Montes Vascos

**E1.265M.ES** Pastos calcícolas y mesoxerófilos con Sesleria coerulea, Primula veris subsp. columnae, Carex humilis, etc., montanos y subalpinos de los Pirineos centrales y orientales

**E1.266** Sub-Mediterranean *Mesobromion*

**E1.2661.ES** Pastizales mesófilos submediterráneos (Mesobromion) pirenaico-catalanes y del Sistema Ibérico

**E1.26611.ES** Pastos calcícolas y mesófilos, con Festuca nigrescens, Plantago media, Galium verum, Cirsium acaule, etc.

**E1.26612.ES** Pastos calcícolas y mesoxerófilos, con abundancia de Bromus erectus y Cirsium tuberosum, de la montaña media poco seca

**E1.26613.ES** Pastos con Festuca paniculata subsp. spadicea, Leuzea centauroides, etc., calcícolas y mesoxerófilos, de solanas del piso subalpino del Pirineo

**E1.26614.ES** Pastos calcícolas y mesoxerófilos, con Astragalus sempervirens, Sideritis hyssopifolia, Festuca ovina, Avenula pratensis, etc., del piso subalpino (y montano) de los Pirineos

**E1.26615.ES** Pastos calcícolas y mesófilos, con Onobrychis hispanica, Plantago media, Galium verum, Cirsium acaule, etc., del Sistema Ibérico

**E1.27** Sub-Atlantic very dry calcareous grassland

**E1.272** Middle European *Xerobromion* grasslands

**E1.272G** Pyrenean *Xerobromion*

**E1.272G1.ES** Pastos basófilos y xerófilos, con Festuca ovina, Avenula iberica, Bromus erectus, Brachypodium phoenicoides, Seseli montanum, Teucrium pyrenaicum, etc., montano-pirenaicos

**E1.272G2.ES** Pastos xerófilos de la media y alta montaña húmeda del Sistema Ibérico

**E1.272G3.ES** Pastos basófilos y xerófilos cantábricos

**E1.2A** *Brachypodium phoenicoides* swards

**E1.2A1.ES** Fenalares de Brachypodium phoenicoides

**E1.2A2.ES** Herbazales de Elymus spp., sobre suelos profundos, en campos, vaguadas o linderos de bosque

**E1.2I.ES** Pastizales o poblaciones de Plantago albicans de suelos arcillosos secos

**E1.3** Mediterranean xeric grassland

**E1.31** West Mediterranean xeric grassland

**E1.311** Retuse torgrass swards

**E1.313** Mediterranean annual communities of shallow soils

**E1.3131** Western Mediterranean calciphile annual communities

**E1.31311.ES** Pastizales terofíticos dominados por Brachypodium distachyon

**E1.3132** Southeastern Iberian pre-desert annual communities

**E1.3133** Iberian gypsum annual communities

**E1.3134** Andalusian magnesium annual communities

**E1.3138.ES** Pastizales terofíticos calcícolas del norte de África

**E1.3139.ES** Pastizales geo-terofíticos calcícolas del litoral balear

**E1.32** Southwestern Mediterranean perennial pastures

**E1.4** Mediterranean tall-grass and *Artemisia* steppes

**E1.41** *Stipa tenacissima* steppes

**E1.411.ES** Espartales de Stipa tenacissima ibéricos

**E1.412.ES** Espartales de Stipa tenacissima norteafricanos

**E1.42** *Lygeum spartum* steppes

**E1.421** Iberian esparto steppes

**E1.424.ES** Espartales de albardín (Lygeum spartum) norteafricanos

**E1.43** Mediterranean steppes dominated by tall grasses other than *Stipa tenacissima* or *Lygeum spartum*

**E1.431** Berceales

**E1.432** Mediterranean feathergrass steppes

**E1.4321.ES** Herbazales abiertos con dominancia de Piptatherum miliaceum, generalmente en yermos y descampados

**E1.4322.ES** Herbazales de Stipa (S. offneri, S. capillata, S. lagascae, etc.), frecuentemente con caméfitos y terófitos

**E1.433** Diss steppes

**E1.434** Andropogonid grass steppes

**E1.4341** Iberian andropogonid grass steppes

**E1.43411.ES** Herbazales altos, subnitrófilos, dominados por Hyparrhenia hirta

**E1.43412.ES** Herbazales de Hyparrhenia sinaica, Andropogon distachyos, Dichanthium ischaemum, Aristida coerulescens o Enneapogon persicus

**E1.43413.ES** Herbazales dominados por Heteropogon contortus

**E1.4347.ES** Herbazales sabanoides de andropogoneas (Hyparrhenia hirta) del norte de África

**E1.435** Andalusian fescue and oat grasslands

**E1.5** Mediterranean-montane grassland

**E1.51** Mediterraneo-montane steppes

**E1.512** Mediterraneo-montane *Sesleria* steppes

**E1.513** Mediterraneo-montane *Festuca-Koeleria* steppes

**E1.5133.ES** Pastizales franco-ibéricos con Anthyllis montana, Ononis striata, Koeleria vallesiana y Festuca spp.

**E1.5134.ES** Pastos de Festuca spadicea con Cotoneaster integerrimus, calcícolas, de las umbrías altimontanas de los Prepirineos centrales

**E1.51346.ES** Pastizales xerófilos de Koeleria vallesiana, con Pilosella spp.

**E1.5135.ES** Céspedes de Festuca gautieri, calcícolas, generalmente en umbrías y pie de roquedos

**E1.52** *Aphyllanthes* grassland and supra-Mediterranean steppes

**E1.53** Iberian *Festuca* frost-influenced grassland

**E1.6** Subnitrophilous annual grassland

**E1.61** Mediterranean subnitrophilous grass communities

**E1.62** Meseta subnitrophilous crucifer communities

**E1.63** Iberian southeastern subnitrophilous herb communities

**E1.65.ES** Herbazales subnitrófilos norteafricanos

**E1.66.ES** Herbazales subnitrófilos litorales, con Lobularia maritima, Echium sabulicola, Euphorbia terracina, sobre suelos generalmente arenosos

**E1.67.ES** Herbazales subnitrófilos iberolevantinos de umbría, con Silene latifolia, Succowia balearica, etc.

**E1.7** Non-Mediterranean dry acid and neutral closed grassland

**E1.71** *Nardus stricta* swards

**E1.712** Sub-Atlantic *Nardus*-*Galium* grasslands

**E1.72** *Agrostis* - *Festuca* grassland

**E1.721** Nemoral *Agrostis*-*Festuca* grasslands

**E1.7214.ES** Pastos con Agrostis y Festuca mesófilos o xerófilos atlánticos y subatlánticos de la Península Ibérica

**E1.72141.ES** Pastos silicícolas y mesófilos, con Agrostis capillaris, Festuca nigrescens, Anthoxanthum odoratum, Galium verum, etc., de los pisos montano y subalpino del Pirineo

**E1.72142.ES** Pastos silicícolas y mesófilos, con Agrostis capillaris y Genista tinctoria, del piso montano de los Pirineos

**E1.72143.ES** Pastos acidófilos y mesófilos, con Agrostis capillaris y Potentilla montana, del piso montano del macizo del Montseny

**E1.72144.ES** Pastos acidófilos y mesófilos, con Festuca nigrescens, Antennaria dioica, Deschampsia flexuosa, etc., de la zona culminal del macizo del Montseny

**E1.72145.ES** Pastos acidófilos y mesófilos, con Festuca nigrescens, Deschampsia flexuosa, Primula intricata, Gentiana acaulis, etc., generalmente en terreno calcáreo, del piso subalpino de los Pirineos

**E1.72146.ES** Pastos acidófilos y mesófilos con Agrostis capillaris, A. curtisii, Festuca nigrescens, Danthonia decumbens, etc., supratemplados cantábricos

**E1.73** *Deschampsia flexuosa* grassland

**E1.75** *Carex arenaria* grassland

**E1.8** Mediterranean dry acid and neutral closed grassland

**E1.81** Mediterranean therophytic siliceous grassland

**E1.811** West Mediterranean siliceous grassland

**E1.813.ES** Lastonares de Brachypodium retusum con terófitos, silicícolas

**E1.82** Iberian *Festuca elegans* grassland

**E1.83** Mediterraneo-montane *Nardus stricta* swards

**E1.831** Iberian montane *Nardus stricta* swards

**E1.834.ES** Pastos xerófilos del piso montano de los Pirineos y del Macizo del Montseny

**E1.8341.ES** Pastos silicícolas y xerófilos, con Agrostis capillaris, Seseli montanum, Festuca ovina, Dichanthium ischaemum, etc., del piso montano de los Pirineos y del macizo del Montseny

**E1.9** Non-Mediterranean dry acid and neutral open grassland, including inland dune grassland

**E1.91** Dwarf annual siliceous grassland

**E1.92** Perennial open siliceous grassland

**E1.93** *Corynephorus* grassland

**E1.9C.ES** Paleodunas costeras

**E1.A** Mediterranean dry acid and neutral open grassland

**E1.A1** Mediterranean annual deep-sand communities

**E1.A2** Supra-Mediterranean perennial siliceous grasslands

**E1.A21** Iberian *Festuca* - *Plantain* swards

**E1.A4** Southern Iberian inland dunes

**E1.A6.ES** Dunas y arenales continentales del centro y sureste ibérico

**E1.C** Dry mediterranean lands with unpalatable non-vernal herbaceous vegetation

**E1.C1** *Asphodelus* fields

**E1.C2** Thistle fields

**E1.C3** *Phlomis* brushes

**E1.C4** *Ferula* stands

## E2 Mesic grasslands

**E2.1** Permanent mesotrophic pastures and aftermath-grazed meadows

**E2.11** Unbroken pastures

**E2.111** Ryegrass pastures

**E2.112** Atlantic *Cynosurus*-*Centaurea* pastures

**E2.113** Sub-Atlantic hill pastures

**E2.12** Ditch-broken pastures

**E2.13** Abandoned pastures

**E2.2** Low and medium altitude hay meadows

**E2.21** Atlantic hay meadows

**E2.211** Atlantic *Arrhenatherum* grasslands

**E2.212** Atlantic *Alopecurus*-*Sanguisorba* grasslands

**E2.22** Sub-Atlantic lowland hay meadows

**E2.221** Xero-mesophile medio-European lowland hay meadows

**E2.222** Hygromesophile medio-European lowland hay meadows

**E2.23** Medio-European submontane hay meadows

**E2.234** Northern Iberian submontane hay meadows

**E2.26.ES** Prados de siega, típicamente con Gaudinia fragilis, de las zonas bajas lluviosas

**E2.27.ES** Prados de siega de baja y media montaña abandonados

**E2.3** Mountain hay meadows

**E2.31** Alpic mountain hay meadows

**E2.34.ES** Prados de siega altimontanos y subalpinos abandonados

**E2.4** Iberian summer pastures (vallicares)

**E2.41** Perennial vallicares

**E2.42** Annual vallicares

**E2.43** Andalusian *Armeria* vallicares

**E2.6** Agriculturally-improved, re-seeded and heavily fertilised grassland, including sports fields and grass lawns

**E2.61** Dry or moist agriculturally-improved grassland

**E2.63** Turf sports fields

## E3 Seasonally wet and wet grasslands

**E3.1** Mediterranean tall humid grassland

**E3.13.ES** Juncales de junco churrero (Scirpoides holoschoenus), habitualmente con Cirsium monspessulanum, C. pyrenaicum, Rubus ulmifolius, etc.

**E3.14.ES** Praderas juncales dominadas por Schoenus nigricans

**E3.15.ES** Juncales ribereños generalmente dominados por Juncus maritimus

**E3.16.ES** Juncales del sureste ibérico con Erica erigena, Molinia caerulea subsp. arundinacea, Scirpoides holoschoenus y Schoenus nigricans

**E3.17.ES** Prados higrófilos altos dominados por Molinia caerulea subsp. arundinacea del sureste ibérico

**E3.18.ES** Herbazales higrófilos latifolios de riberas, acequias y barrancos, con Sonchus maritimus subsp. aquatilis, Epilobium hirsutum, Mentha longifolia

**E3.2** Mediterranean short humid grassland

**E3.4** Moist or wet eutrophic and mesotrophic grassland

**E3.41** Atlantic and sub-Atlantic humid meadows

**E3.411** Cabbage thistle meadows

**E3.412** Globe flower-brook thistle meadows

**E3.414** Marsh ragwort meadows

**E3.415** Bistort meadows

**E3.417** Soft rush meadows

**E3.419** Wood clubrush meadows

**E3.41G.ES** Herbazales megafórbicos con Valeriana pyrenaica, muy higrófilos, de los márgenes de arroyos pirenaicos, cantábricos y del Sistema Ibérico

**E3.41H.ES** Herbazales de Carex paniculata, muy higrófilos, de los suelos encharcados del piso montano superior de los Pirineos

**E3.42** *Juncus acutiflorus* meadows

**E3.44** Flood swards and related communities

**E3.441** Tall rush pastures

**E3.442** Flood swards

**E3.45** Recently abandoned hay meadows

**E3.48.ES** Herbazales con cola de caballo (Equisetum telmateia) y cárices (Carex pendula, C. remota) de terrenos inundables

**E3.5** Moist or wet oligotrophic grassland

**E3.51** *Molinia caerulea* meadows and related communities

**E3.511** Calcicline purple moorgrass meadows

**E3.5115.ES** Prados higrófilos y basófilos de Molinia caerulea del sur de Francia y de la mitad norte de la Península Ibérica

**E3.512** Acidocline purple moorgrass meadows

**E3.52** Heath *Juncus* meadows and humid *Nardus stricta* swards

## E4 Alpine and subalpine grasslands

**E4.1** Vegetated snow-patch

**E4.11** Boreo-alpine acidocline snow-patch grassland and herb habitats

**E4.111** Alpic acid moss snow-patch communities

**E4.112** Alpic acid cudweed snow-patch communities

**E4.12** Boreo-alpine calcicline snow-patch grassland and herb habitats

**E4.121** Alpic small herb calcicolous snow-patch communities

**E4.1211** *Arabis-Gnaphalium* snow-patch communities

**E4.2** Moss and lichen dominated mountain summits, ridges and exposed slopes

**E4.22** Rock pavement lichen communities

**E4.223.ES** Comunidades liquénicas de pavimentos rocosos de la región atlántica

**E4.224.ES** Comunidades liquénicas de pavimentos rocosos de la región mediterránea

**E4.23** Rock pavement, plateau and summital moss heaths

**E4.232.ES** Comunidades muscinales de pavimentos y superficies rocosas meteorizadas de las regiones eurosiberiana y mediterránea

**E4.3** Acid alpine and subalpine grassland

**E4.31** Alpic *Nardus stricta* swards and related communities

**E4.311** Pyreneo-Alpine mesophile mat-grass swards

**E4.312** Pyreneo-Alpine hygrophile mat-grass swards

**E4.313** Pyreneo-Alpine hygrophile foxtail swards

**E4.314** Pyrenean closed *Festuca eskia* grassland

**E4.315** Pyrenean *Poa violacea* swards

**E4.31A.ES** Pastos silicícolas y mesófilos con dominancia de Deschampsia flexuosa y Festuca gautieri subsp. scoparia

**E4.33** Thermo-Alpigenous subalpine acidophilous grassland

**E4.331** Thermo-Alpigenous [Festuca paniculata] swards

**E4.332** Pyrenean *Festuca eskia* garland-grasslands

**E4.34** Alpigenous acidophilous grassland

**E4.341** Alpigenous crooked-sedge grasslands

**E4.3412** Pyrenean *Carex curvula* grasslands

**E4.343** Alpigenous *Festuca airoides* grasslands

**E4.3431** Pyrenean *Festuca airoides* grasslands

**E4.3434.ES** Pastos de Festuca yvesii, de las laderas venteadas, secas, de la alta montaña pirenaica

**E4.344** Pyrenean *Festuca borderi* swards

**E4.347** Cantabrian [Oreochloa blanka] swards

**E4.36** Oro-Iberian acidophilous grassland

**E4.361** Oro-Iberian acidophilous stripped grasslands

**E4.3611** Cantabrian acidophilous stripped grasslands

**E4.3612** Iberian Range acidophilous stripped grasslands

**E4.3613** Cordilleran *Festuca* stripped grasslands

**E4.3614** Cordilleran *Agrostis* stripped grasslands

**E4.3615** Nevadan *Festuca indigesta* stripped grasslands

**E4.3616** Nevadan *Agrostis* stripped grasslands

**E4.3617** Nevadan tall fescue stripped grasslands

**E4.3618** Nevadan *Festuca clementei* stripped grasslands

**E4.3619** Nevadan *Trisetum* stripped grasslands

**E4.361A.ES** Pastos de Nardus stricta, en gradines, del Sistema Ibérico y Central

**E4.362** Oro-Iberian mat-grass swards

**E4.3621** Cantabrio-Cordilleran oro-Mediterranean mat-grass swards

**E4.3622** Nevadan borreguiles

**E4.3623.ES** Pastos de alta montaña mediterránea acidófilos, densos, de Nardus stricta, del Sistema Ibérico

**E4.4** Calcareous alpine and subalpine grassland

**E4.41** Closed calciphile alpine grassland

**E4.411** Mesophile evergreen sedge grasslands

**E4.4112** Pyrenean evergreen sedge grasslands

**E4.414** Violet fescue swards and related communities

**E4.415** Cantabrian thrift swards

**E4.42** Wind edge *Kobresia myosuroides* swards

**E4.422** Pyrenean naked-rush swards

**E4.423** Cantabrian naked-rush swards

**E4.43** Calciphilous stepped and garland grassland

**E4.434** Pyrenean *Festuca gautieri* grasslands

**E4.435** Oro-Iberian calciphilous stripped grasslands

## E5 Woodland fringes and clearings and tall forb stands

**E5.1** Anthropogenic herb stands

**E5.12** Weed communities of recently abandoned urban and suburban constructions

**E5.13** Weed communities of recently abandoned rural constructions

**E5.14** Weed communities of recently abandoned extractive industrial sites

**E5.2** Thermophile woodland fringes

**E5.21** Xero-thermophile fringes

**E5.22** Mesophile fringes

**E5.221.ES** Orlas herbáceas mesófilas

**E5.222.ES** Orlas herbáceas xerófilas o mesófilas silicícolas

**E5.3** *Pteridium aquilinum* fields

**E5.31** Sub-Atlantic *Pteridium aquilinum* fields

**E5.32** Macaronesian *Pteridium aquilinum* fields

**E5.33** Supra-Mediterranean *Pteridium aquilinum* fields

**E5.34.ES** Helechales de Pteridium aquilinum mediterráneos

**E5.4** Moist or wet tall-herb and fern fringes and meadows

**E5.41** Screens or veils of perennial tall herbs lining watercourses

**E5.411** Watercourse veils (other than of *Filipendula*)

**E5.4113** *Althaea officinalis* screens

**E5.43** Shady woodland edge fringes

**E5.44** Mediterranean grasslands on alluvial river banks

**E5.441.ES** Comunidades mediterráneas de fangos fluviales, principalmente herbazales nitrófilos con Polypogon viridis, Cyperus fuscus y Paspalum spp. en ríos de caudal permanente

**E5.442.ES** Comunidades mediterráneas de fangos fluviales, principalmente herbazales nitrófilos con Polypogon viridis, Cyperus fuscus y Paspalum spp., en ríos de caudal intermitente

**E5.5** Subalpine moist or wet tall-herb and fern stands

**E5.52** Alpigene tall grass communities

**E5.53** Pyreneo-Iberian tall-herb communities

**E5.531.ES** Herbazales megafórbicos montanos y subalpinos pirenaicos y del Montseny

**E5.532.ES** Herbazales megafórbicos del Sistema Ibérico

**E5.533.ES** Herbazales megafórbicos de la Cordillera Cantábrica

**E5.534.ES** Herbazales megafórbicos del Sistema Central

**E5.54** Ibero-Mauritanian tall-herb communities

**E5.541** Southern Iberian tall herb communities

**E5.58** Alpine *Rumex* communities

**E5.5E.ES** Herbazales naturales de Trollius europaeus, Polygonum bistorta, etc., pirenaicos, cantábricos y del Sistema Central

## E6 Inland salt steppes

**E6.1** Mediterranean inland salt steppes

**E6.11** Mediterranean *Limonium* salt steppes

**E6.111** Ibero-Tyrrhenian sea-lavender steppes

**E6.1111.ES** Estepas de saladillas (Limonium spp.) del sudeste ibérico

**E6.1112.ES** Estepas de saladillas (Limonium spp.) de óptimo manchego

**E6.1113.ES** Comunidades de limonios (Limonium spp.), de suelos salinos, muy secos en verano, del valle del Ebro

**E6.1114.ES** Estepas de saladillas (Limonium spp.) del litoral mediterráneo del noreste ibérico

**E6.1115.ES** Estepas de saladillas (Limonium spp.) de las Islas Baleares

**E6.12** Mediterranean *Lygeum spartum* salt steppes

**E6.121.ES** Estepas salinas ibéricas de Lygeum spartum

**E6.1211.ES** Estepas salinas de Lygeum spartum del sudeste ibérico

**E6.1212.ES** Estepas salinas de Lygeum spartum de óptimo manchego

**E6.1213.ES** Estepas salinas de Lygeum spartum del valle del Ebro

**E6.13** Mediterranean inland halo-nitrophilous pioneer communities

**E6.131.ES** Comunidades anuales halonitrófilas, frecuentemente con Frankenia pulverulenta, Suaeda splendens, etc., del interior ibérico

**E6.132.ES** Comunidades anuales halonitrófilas de desarrollo estival con Sphenopus divaricatus, Parapholis incurva, Polypogon maritimus, etc., del interior ibérico

**E6.133.ES** Comunidades halonitrófilas dominadas por Cressa cretica, del interior ibérico

**E6.134.ES** Comunidades halonitrófilas dominadas por Hordeum marinum, del interior ibérico

**E6.135.ES** Comunidades halonitrófilas dominadas por quenopodiáceas anuales (Chenopodium spp., Suaeda splendens, etc.), del interior ibérico

**E6.136.ES** Comunidades halonitrófilas con Sagina maritima, Spergularia spp., etc., del interior ibérico

## E7 Sparsely wooded grasslands

**E7.3** Dehesa

# F Heathland, scrub and tundra

## F2 Arctic, alpine and subalpine scrub

**F2.1** Subarctic and alpine dwarf willow scrub

**F2.11** Boreo-alpine acidocline snow-patch *Salix herbacea* scrub

**F2.111** Alpic acid dwarf willow snow-patch communities

**F2.12** Boreo-alpine calcicline snow-patch *Salix polaris* scrub

**F2.121** Boreo-Alpic calcicolous espalier willow snowbed communities

**F2.1211** Alpic espalier willow snowbed communities

**F2.12111** Alpide *Salix retusa-reticulata* snowbed communities

**F2.2** Evergreen alpine and subalpine heath and scrub

**F2.21** Alpide dwarf ericoid wind heaths

**F2.211** Alpide dwarf azalea heaths

**F2.212** Alpide dwarf *Vaccinium* wind heaths

**F2.2123.ES** Matorrales enanos de arándanos (Vaccinium uliginosum, V. myrtillus), acidófilos, de la alta montaña pirenaica

**F2.22** Alpide acidocline *Rhododendron* heaths

**F2.222** Pyrenean rusty alpenrose heaths

**F2.23** Southern Palaearctic mountain dwarf *Juniperus* scrub

**F2.231** Mountain *Juniperus nana* scrub

**F2.2311.ES** Matorrales de Juniperus communis subsp. alpina de laderas solanas del piso subalpino pirenaico y de los montes vascos

**F2.2312.ES** Matorrales de Juniperus communis subsp. alpina del piso oromediterráneo del Sistema Ibérico

**F2.2313.ES** Matorrales de Juniperus communis subsp. alpina del piso subalpino orocantábrico

**F2.2314.ES** Matorrales orófilos de enebro rastrero (Juniperus communis subsp. alpina) del Sistema Central

**F2.232** *Juniperus sabina* scrub

**F2.2321** Iberian *Juniperus sabina* scrub

**F2.233** *Juniperus hemisphaerica* scrub

**F2.24** Alpigenic high mountain *Empetrum - Vaccinium* heaths

**F2.27** Alpide *Arctostaphylos uva-ursi* and *Arctostaphylos alpinus* heaths

**F2.271.ES** Matorrales prostrados de Arctostaphylos uva-ursi, de laderas rocosas secas, de la alta montaña pirenaica

**F2.272.ES** Matorrales prostrados de Arctostaphylos alpina, de laderas rocosas frescas, de la alta montaña pirenaica

**F2.273.ES** Matorrales rastreros orófilos de Arctostaphylos uva-ursi con Erica arborea, Calluna vulgaris, etc., del Sistema Central e Ibérico

**F2.29** *Dryas octopetala* mats

**F2.291** Alpigenic high mountain *Dryas* mats

**F2.2912** Southwestern high moutain *Dryas* mats

**F2.3** Subalpine deciduous scrub

**F2.32** Subalpine and oroboreal *Salix* brush

**F2.321** Alpide willow brush

**F2.3214** Pyreneo-Cantabric willow brush

## F3 Temperate and mediterranean-montane scrub

**F3.1** Temperate thickets and scrub

**F3.11** Medio-European rich-soil thickets

**F3.111** Blackthorn-bramble scrub

**F3.1111** Sub-Atlantic blackthorn-bramble scrub

**F3.1112** Atlantic blackthorn-bramble scrub

**F3.112** Blackthorn-privet scrub

**F3.1121** Atlantic and medio-European blackthorn-privet scrub

**F3.11211** Medio-European blackthorn-privet scrub

**F3.11212** Atlantic hawthorn-ivy scrub

**F3.112123.ES** Matorrales de majuelo y hiedra atlánticos cántabro-asturianos

**F3.1122** Sub-Mediterranean blackthorn-privet scrub

**F3.1123** Rock pear scrub

**F3.1124** Peri-Alpine sea buckthorn-barberry scrub

**F3.1126** Iberian barberry scrub

**F3.1127.ES** Bosquetes de Sambucus nigra, con Clematis vitalba y Rubus ulmifolius, higrófilos y subnitrófilos

**F3.1128.ES** Matorrales con Rhamnus alpinus, Rosa vosagiaca, R. pimpinellifolia, R. mollis, etc., de los pisos altimontano y subalpino de los Pirineos

**F3.1129.ES** Matorrales con Rhamnus alpinus, Lonicera pyrenaica, Amelanchier ovalis, Rhamnus saxatilis, etc., calcícolas, del Sistema Ibérico

**F3.12** *Buxus sempervirens* thickets

**F3.13** Atlantic poor soil thickets

**F3.131** Bramble thickets

**F3.132** Alder buckthorn, rowan, honeysuckle thickets

**F3.14** Temperate *Cytisus scoparius* fields

**F3.141** Lowland and hill broom fields

**F3.144** Pyrenean *Cytisus scoparius* fields

**F3.15** *Ulex europaeus* thickets

**F3.16** *Juniperus communis* scrub

**F3.161** Juniper downs

**F3.162** Sub-Atlantic juniper heaths

**F3.17** *Corylus* thickets

**F3.171** Atlantic and sub-Atlantic hazel thickets

**F3.1711.ES** Avellanares pirenaicos y del noreste ibérico

**F3.17111.ES** Avellanares mesohigrófilos de ambientes frescos del piso montano

**F3.17112.ES** Avellanares con Polystichum setiferum, etc., mesohigrófilos, de barrancos y hondonadas muy sombríos, colino-submontanos

**F3.17113.ES** Avellanares mesófilos y mesoxerófilos de ambientes secos del piso montano

**F3.1712.ES** Avellanares cantábricos y del noroeste ibérico

**F3.175.ES** Avellanares submediterráneos ibéricos

**F3.2** Submediterranean deciduous thickets and brushes

**F3.21** Montane *Cytisus purgans* fields

**F3.212** Pyrenean *Cytisus purgans* fields

**F3.2121.ES** Matorrales Cytisus oromediterraneus, silicícolas, de lugares secos, a menudo solanos, del piso montano

**F3.2122.ES** Matorrales de Cytisus oromediterraneus, silicícolas, de laderas solanas de la alta montaña subalpina y oromediterránea

**F3.213** Galicio-Cantabrian *Cytisus purgans* fields

**F3.214** Upper Cordilleran *Cytisus purgans* fields

**F3.215** Lower Cordilleran *Cytisus purgans* fields

**F3.216** Galicio-Leonese *Cytisus purgans* fields

**F3.217** Nevadan *Cytisus purgans* fields

**F3.219.ES** Piornales de Cytisus oromediterraneus del Sistema Ibérico

**F3.22** Southwestern sub-mediterranean deciduous thickets

**F3.221** Franco-Iberian sub-Mediterranean deciduous thickets

**F3.222** Western Iberian sub-Mediterranean deciduous thickets

**F3.223** Central Iberian sub-Mediterranean deciduous thickets

**F3.224** Oro-Baetic sub-Mediterranean deciduous thickets

**F3.226.ES** Mantos espinosos de Paliurus spina-christi, de zonas bajas y secas, en el territorio ruscínico

**F3.25** Piornales

**F3.251** White-flowered broom fields

**F3.252** Northwestern Iberian *Genista florida* fields

**F3.253** Northwestern Iberian *Cytisus* fields

**F3.254** Central Iberian *Genista florida* fields

**F3.255** Upper Cordilleran *Genista cinerea* fields

**F3.256** Central Iberian *Cytisus* fields

**F3.257** Andalusian broom fields

**F3.258.ES** Escobonales de Cytisus scoparius s.l. meso-supramediterráneos del Sistema Ibérico

**F3.28** Canary Island broom fields

## F4 Temperate shrub heathland

**F4.1** Wet heaths

**F4.11** Northern wet heaths

**F4.12** Southern wet heaths

**F4.13** *Molinia caerulea* wet heaths

**F4.2** Dry heaths

**F4.21** Submontane *Vaccinium* - *Calluna* heaths

**F4.215** Submontane Pyreneo-Cantabrian *Vaccinium* heaths

**F4.22** Sub-Atlantic *Calluna* - *Genista* heaths

**F4.226** Montane *Calluna*-*Genista* heaths

**F4.2261.ES** Landas de brecina (Calluna vulgaris) con Genista pilosa, Genista ánglica, etc., de los Pirineos y de las montañas catalanídicas septentrionales

**F4.2262.ES** Landas de brecina (Calluna vulgaris) con Chamaecytisus supinus de los Prepirineos orientales y del territorio olositánico

**F4.2263.ES** Landas de brecina (Calluna vulgaris), con Genista occidentalis y otras Genista, Erica vagans, etc., silicícolas, heliófilas, del Sistema Ibérico

**F4.2264.ES** Landas subalpinas (y montanas) de Calluna-Genista orocantábricas

**F4.23** Atlantic *Erica* - *Ulex* heaths

**F4.231** Maritime gorse heaths

**F4.236** Cantabro-Pyrenean *Erica mackaiana*-*E. cinerea* heaths

**F4.237** Cantabro-Pyrenean *Erica vagans*-*E. cinerea* heaths

**F4.24** Ibero-Atlantic *Erica - Ulex - Cistus* heaths

**F4.241** Biscay heaths

**F4.2413** Northern Iberian heaths

**F4.242** Luso-Galician heaths

**F4.2421** Luso-Galician collinar heaths

**F4.2422** Luso-Galician maritime heaths

**F4.243** Cabreran heaths

**F4.2431** Cabreran dry whin heaths

**F4.2432** Cabreran mesophile whin heaths

**F4.244** Galicio-Leonese heaths

**F4.2441** Galicio-Leonese *Erica aragonensis* heaths

**F4.2442** Galicio-Leonese *Erica umbellata* heaths

**F4.2443** Galicio-Leonese *Erica cinerea* heaths

**F4.245** Oro-Castillan heaths

**F4.2451** Western Cordilleran *Erica aragonensis* heaths

**F4.2452** Ayllon *Erica aragonensis* heaths

**F4.2453** Villuercan *Erica aragonensis* heaths

**F4.246** Sorian heaths

**F4.2461** Sorian summital heaths

**F4.2462** Sorian *Erica aragonensis* heaths

**F4.2463** Sorian *Erica vagans* heaths

**F4.2464** Sorian collinar heaths

**F4.247** Cuencan heaths

**F4.248** Luso-Extremaduran heaths

**F4.249** *Erica andevalensis* heaths

**F4.3** Macaronesian heaths

**F4.31** Canary Island heaths

**F4.311** Canary Island *Erica scoparia* heaths

**F4.312** Canary Island *Erica arborea* heaths

## F5 Maquis, arborescent matorral and thermo-Mediterranean brushes

**F5.1** Arborescent matorral

**F5.11** Evergreen *Quercus* matorral

**F5.111** Cork-oak matorral

**F5.112** Acidiphile western Mediterranean holm-oak matorral

**F5.1121.ES** Maquias (macrofruticedas: 2-6m) de encina (Quercus ilex subsp. ilex) acidófilas

**F5.1124.ES** Maquias (macrofruticedas: 2-6m) de encina (Quercus ilex subsp. rotundifolia) acidófilas

**F5.113** Calciphile western Mediterranean oak matorral

**F5.1131.ES** Maquias (macrofruticedas: 2-6m) de encina (Quercus ilex subsp. ilex) calcícolas

**F5.1134.ES** Maquias (macrofruticedas: 2-6m) de encina (Quercus ilex subsp. rotundifolia) calcícolas

**F5.115** Iberian mixed oak arborescent matorral

**F5.1151.ES** Maquias (macrofruticedas: 2-6m) con mezcla de encina (Quercus ilex subsp. rotundifolia) y robles (Quercus spp.)

**F5.1152.ES** Maquias (macrofruticedas: 2-6m) con mezcla de encina (Quercus ilex subsp. ilex) y robles (Quercus spp.)

**F5.116** Mediterranean evergreen oak low woods

**F5.1161** *Quercus ilex* and *Quercus rotundifolia* low woods

**F5.11611.ES** Monte bajo (microfruticedas: 0,5-2m) de Quercus ilex subsp. ilex

**F5.11614.ES** Monte bajo (microfruticedas: 0,5-2m) de Quercus ilex subsp. rotundifolia

**F5.12** *Olea europaea* and *Pistacia lentiscus* matorral

**F5.121** Olive arborescent matorral

**F5.122** Carob arborescent matorral

**F5.123** Lentisc and phillyrea arborescent matorral

**F5.124** Myrtle arborescent matorral

**F5.125** Canary Island olive-lentisc arborescent matorral

**F5.13** *Juniper* matorral

**F5.131** Prickly juniper arborescent matorral

**F5.1311** *Juniperus oxycedrus* arborescent matorral

**F5.1312** *Juniperus macrocarpa* arborescent matorral

**F5.1314.ES** Matorrales arborescentes de Juniperus oxycedrus subsp. badia

**F5.132** *Juniperus phoenicea* and *Juniperus lycia* arborescent matorral

**F5.1321** *Juniperus phoenicea* arborescent matorral

**F5.1322** *Juniperus lycia* arborescent matorral

**F5.134** *Juniperus communis* arborescent matorral

**F5.136** *Juniperus thurifera* arborescent matorral

**F5.14** *Pinus* matorral

**F5.141** Mesogean pine arborescent matorral

**F5.142** Stone pine arborescent matorral

**F5.143** Aleppo pine arborescent matorral

**F5.145** Black pine and scots pine arborescent matorral

**F5.15** *Tetraclinis articulata* matorral

**F5.16** Deciduous *Quercus* matorral

**F5.17** Arid zone matorral

**F5.171** Iberian arid zone *Ziziphus* matorral

**F5.18** *Laurus nobilis* matorral

**F5.1B.ES** Madroñales (maquias de Arbutus unedo) calcícolas

**F5.1D.ES** Matorrales arborescentes de durillo (Viburnum tinus)

**F5.1E.ES** Matorrales arborescentes de cornicabra (Pistacia terebinthus)

**F5.2** Maquis

**F5.21** High maquis

**F5.211** Western Mediterranean high maquis

**F5.212** Luso-Extremaduran high maquis

**F5.22** Low ericaceous maquis

**F5.221.ES** Brezales ibéricos y norteafricanos dominados por Erica scoparia, a menudo con E. arborea y Calluna vulgaris, en ocasiones con jaras (Cistus populifolius, C. laurifolius, etc.)

**F5.222.ES** Brezales iberolevantinos de óptimo sublitoral con abundancia o dominancia de Erica arborea, a menudo con jaras (Cistus monspeliensis, C. salvifolius)

**F5.223.ES** Brezales con dominancia o abundancia de Erica cinerea, silicícolas, de las áreas mediterráneas lluviosas

**F5.23** Tall *Cistus* maquis

**F5.231** Southwestern Iberian tall cistus maquis

**F5.232** Central Iberian tall cistus maquis

**F5.233** Baetic tall cistus maquis

**F5.235.ES** Jarales dominados por Cistus ladanifer del norte de África

**F5.236.ES** Jarales de Cistus ladanifer catalano-aragoneses

**F5.24** Low *Cistus* maquis

**F5.241** *Cistus monspeliensis* maquis

**F5.242** *Cistus salvifolius* maquis

**F5.243** *Cistus populifolius* maquis

**F5.244** *Cistus laurifolius* maquis

**F5.245** *Cistus psilosepalus* maquis

**F5.246** *Cistus crispus* maquis

**F5.247** *Cistus incanus* maquis

**F5.248** *Cistus albidus* maquis

**F5.249.ES** Jarales mixtos silicícolas

**F5.25** Low *Cistus - Lavandula stoechas* maquis

**F5.251** Central Mediterranean lavender maquis

**F5.252** Central Iberian lavender maquis

**F5.253** Western Iberian lavender maquis

**F5.26** Low sparse maquis

**F5.27** *Cytisus*-dominated maquis

**F5.271.ES** Formaciones de Genista hystrix

**F5.272.ES** Maquias mixtas de leguminosas arbustivas dominadas por otras especies distintas de G. hystrix

**F5.274.ES** Matorrales dominados por Cytisus arboreus subsp. catalaunicus, silicícolas, de las zonas mediterráneas lluviosas, en los territorios ruscínico y catalanídico septentrional

**F5.275.ES** Formaciones arbustivas silicícolas dominadas por Calicotome spinosa

**F5.276.ES** Formaciones dominadas por escobón prieto (Adenocarpus telonensis)

**F5.277.ES** Matorrales con escogón blanco (Genista linifolia), silicícolas, de los ambientes mediterráneos marítimos, en el territorio catalanídico septentrional

**F5.278.ES** Matorrales silicícolas dominados por albaida (Anthyllis cytisoides)

**F5.279.ES** Matorrales con dominancia de otras leguminosas (Genista triflora, Genista monspessulana), silicícolas, de las tierras mediterráneas marítimas

**F5.27A.ES** Formaciones arbustivas de Cytisus villosus

**F5.4** *Spartium junceum* fields

**F5.5** Thermo-Mediterranean scrub

**F5.51** Thermo-Mediterranean brushes, thickets and heath-garrigues

**F5.511** Oleo-lentisc brush

**F5.512** Thermo-Mediterranean heath-garrigues

**F5.5121** Western *Erica multiflora* heath-garrigues

**F5.514** Lentisc brush

**F5.515** *Calicotome* brush

**F5.516** *Laurus* thickets

**F5.517** Coastal *Helichrysum* garrigues

**F5.5171** Iberian thermo-Mediterranean kermes oak brush

**F5.5177** North African thermo-Mediterranean kermes oak brush

**F5.518** Myrtle thickets

**F5.519** Thermo-Mediterranean kermes oak brushes

**F5.51A** *Phillyrea* thickets

**F5.51A1** Minorcan *lentiscares*

**F5.51A2** Valencian *mata*

**F5.51A3** Western *Phillyrea* thickets

**F5.51B** Buckthorn-asparagus brushes

**F5.51B1.ES** Espinares de Rhamnus lycioides termo-mesomediterráneos

**F5.51B2.ES** Espinares con Rhamnus lycioides, Asparagus spp., Chamaerops humilis, de óptimo termomediterráneo semiárido, del sudeste ibérico

**F5.51C** *Osyris* brushes

**F5.51C1.ES** Matorrales dominados por Osyris alba

**F5.51C2.ES** Matorrales dominados por Osyris lanceolata

**F5.51E** *Buxus balearica* box thickets

**F5.51F** Dwarf oak scrub

**F5.51I** Thermo-Mediterranean juniper brushes

**F5.51N.ES** Matorrales termófilos con abundancia de boj (Buxus sempervirens)

**F5.51O.ES** Matorrales termófilos de litosuelos y pie de roquedos, con abundancia de Euphorbia squamigera o Lavandula multifida

**F5.52** *Euphorbia dendroides* formations

**F5.53** *Ampelodesmos mauritanica* -dominated garrigues

**F5.54** *Chamaerops humilis* brush

**F5.55** Mediterranean pre-desert scrub

**F5.551** Iberian jujube brush

**F5.553** *Maytenus* brushes

**F5.554** Iberian *Periploca* scrubs

**F5.556** Iberian tall arid brushes

**F5.5561** *Salsola webbii* brush

**F5.5562** Sideritis brush

**F5.5563** Gorse-phlomis scrub

**F5.5564** *Genista umbellata* garrigues

**F5.557** Iberian arid garrigues

**F5.5571** Murcio-Alicantian arid garrigues

**F5.5572** Almerian arid garrigues

**F5.55721** *Limonium-Anabasis* arid garrigues

**F5.55722** Cabo de Gata arid garrigue

**F5.55723** Tabernas arid garrigues

**F5.55724** Coastal Almerian arid garrigues

**F5.56** Thermo-Mediterranean broom fields (retamares)

**F5.561** Yellow retama brush

**F5.5611.ES** Retamares de Retama sphaerocarpa ibéricos

**F5.562** Ibero-Mauritanian white retama brush

**F5.5621.ES** Retamares de Retama monosperma ibéricos

**F5.5622.ES** Retamares de Retama monosperma del norte de África

**F5.563** *Genista speciosa* broom fields

**F5.564** *Genista valentina* broom fields

**F5.5641.ES** Retamares de Genista valentina

**F5.5642.ES** Aliagares de Calicotome infesta subsp. intermedia

**F5.565** *Genista retamoides* broom fields

**F5.566** *Genista haenseleri* broom fields

**F5.567** *Genista ramosissima* broom fields

**F5.5671.ES** Formaciones de Genista ramosissima del sureste ibérico

**F5.56B** Ibiza broomfields

**F5.56D.ES** Retamares de Genista jimenezii

**F5.57** Mediterranean gorse-heaths

**F5.573** Morena *Ulex eriocladus* gorse heaths

**F5.574** *Ulex parviflorus* gorse-heaths

**F5.576** Luso-Extremaduran *Genista hirsuta* gorse-heaths

**F5.58** Iberian thermo-Mediterranean garrigues

**F5.581** Baetic garrigues

**F5.5811.ES** Matorrales con abundancia de Phlomis purpurea subsp. purpurea

**F5.5812.ES** Matorrales bajos con abundancia de Micromeria inodora

**F5.5813.ES** Tomillares dominados por Thymbra capitata

**F5.5814.ES** Tomillares dominados por Thymus hyemalis

**F5.582** Ronda *Ononis speciosa* garrigues

**F5.583** Guadalquivir *Genista equisetiformis* garrigues

**F5.584** Alboran *Genista equisetiformis* garrigues

**F5.585** Andalusian magnesium garrigues

**F5.5851** Ronda dolomite garrigues

**F5.5852** Ronda serpentine and peridotite garrigues

**F5.5853** Bermeja *Ulex* garrigues

**F5.586** Bermeja *Halimium* garrigues

**F5.59** *Stauracanthus boivinii* gorse-heaths

**F5.591** Aljibe *Stauracanthus boivinii* gorse-heaths

**F5.593** North African *Stauracanthus boivinii* gorse-heaths

**F5.5A** Western Tethyan xero-psammitic brushes

**F5.5A1** Southern Andalusian *monte blanco*

**F5.5A2** Guadalquivir xero-psammitic brushes

**F5.5A5** Western Mediterranean xero-psammitic brushes

**F5.5A51.ES** Matorrales xero-psammófilos dominados por Halimium halimifolium en arenales no costeros valencianos

**F5.5C** Thermo-Mediterranean heaths

**F5.5C1** Dry Andalusian *monte negro*

**F5.5C2** Humid Andalusian *monte negro*

**F5.5D.ES** Garrigas y matorrales termomediterráneos norteafricanos

**F5.5D1.ES** Formaciones ceutíes de Ononis speciosa con Bupleurum balansae, Micromeria graeca, Satureja obovata, Ptilostemon abylens, etc.

**F5.5E.ES** Matorrales termomediterráneos dominados por Globularia alypum

**F5.5F.ES** Maquias termófilas dominadas por Anagyris foetida

**F5.5F1.ES** Formaciones naturales de Anagyris foetida

**F5.5F2.ES** Formaciones de Anagyris foetida de origen antrópico

**F5.5G.ES** Formaciones arbustivas de zumaque (Rhus coriaria)

**F5.5H.ES** Matorrales termomediterráneos con abundancia de Lavandula dentata

## F6 Garrigue

**F6.1** Western garrigues

**F6.11** Western *Quercus coccifera* garrigues

**F6.12** Western *Rosmarinus officinalis* garrigues

**F6.13** Western *Cistus* garrigues

**F6.131.ES** Jarales dominados por Cistus albidus

**F6.132.ES** Jarales dominados por Cistus clusii

**F6.133.ES** Matorrales con abundancia de Cistus monspeliensis, C. salvifolius o C. incanus, calcícolas

**F6.1331.ES** Matorrales con abundancia de Cistus monspeliensis

**F6.1332.ES** Matorrales con abundancia de Cistus creticus (C.incanus)

**F6.14** Western *Euphorbia* garrigues

**F6.15** Western *Juniperus oxycedrus* garrigues

**F6.16** Western *Lavandula* garrigues

**F6.161.ES** Matorrales de espliego (Lavandula latifolia) invadiendo prados o campos abandonados

**F6.162.ES** Matorrales mixtos con Lavandula spp. y otros caméfitos

**F6.17** Western *Teucrium* and other labiate garrigues

**F6.171.ES** Tomillares (matorrales bajos) dominados por labiadas (Thymus, Satureja, Sideritis, Teucrium, Micromeria, Stachys, etc.) excepto espliegos (Lavandula) y romero (Rosmarinus)

**F6.172.ES** Matorral dominado por Teucrium fruticans

**F6.18** Western *Genista* garrigues

**F6.181.ES** Matorrales de Genista scorpius o G. hispanica

**F6.1811.ES** Matorrales de Genista scorpius

**F6.1812.ES** Matorrales bajos con abundancia de Genista hispanica

**F6.183.ES** Matorrales de Genista tricuspidata (G. lucida)

**F6.19** Western *Calicotome* garrigues

**F6.1A** Western composite garrigues

**F6.1A1.ES** Matorrales bajos con Helichrysum, Santolina, Phagnalon, Staehelina, Scorzonera

**F6.1A11.ES** Tomillares dominados por Helichrysum stoechas, Staehelina dubia, Phagnalon saxatile o P. rupestre

**F6.1A12.ES** Matorrales de Santolina chamaecyparissus

**F6.1A2.ES** Matorrales de artemisa (Artemisia spp.)

**F6.1A3.ES** Matorrales subnitrófilos de Dittrichia viscosa

**F6.1A4.ES** Matorrales de otras compuestas de porte medio a elevado

**F6.1B** Western *Erica* garrigues

**F6.1C** Western *Globularia* garrigues

**F6.1D** Western *Helianthemum* and *Fumana* garrigues

**F6.1E** *Lithodora fruticosa* garrigues

**F6.1F** Western *Thymelaea* garrigues

**F6.1G** Western *Bupleurum* garrigues

**F6.1H** Western *Ulex* garrigues

**F6.1I** Western *Ononis fruticosa* garrigues

**F6.1J** Western *Anthyllis cytisoides* garrigues

**F6.1K** Western *Dictamnus* garrigues

**F6.1L.ES** Matorrales con abundancia de Cytisus fontanesii (Genista biflora)

**F6.1M.ES** Matorrales de jazmín amarillo (Jasminum fruticans)

**F6.1N.ES** Matorrales altos dominados por Teline patens

**F6.6** Supra-Mediterranean garrigues

**F6.61** *Lavandula angustifolia* garrigues

**F6.63** Ibero-Gallic supra-Mediterranean dwarf-shrub garrigues

**F6.631.ES** Matorrales bajos meso-supramediterráneos con abundancia de Salvia lavandulifolia, Lavandula latifolia, Thymus vulgaris, Satureja montana, ocasionalmente con Genista scorpius y otras matas xerófilas

**F6.632.ES** Matorrales supramediterráneos dominados por genistas (Genista scorpius, G pilosa, G. pseudopilosa, G. cinerea, G. ausetana)

**F6.64** Supra-Mediterranean *Buxus sempervirens* scrub

**F6.67.ES** Matorrales rastreros (tapices) de gayuba (Arctostaphylos uva-ursi)

**F6.68.ES** Matorrales dominados por Ononis aragonensis

**F6.681.ES** Matorrales de Ononis aragonensis del Sistema Ibérico

**F6.682.ES** Matorrales setabenses de Ononis aragonensis, generalmente con Daphne oleoides

**F6.7** Mediterranean gypsum scrubs

**F6.71** Central Iberian gypsum scrubs

**F6.711** Meseta gypsum scrubs

**F6.7111.ES** Matorrales gipsícolas con Helianthemum squamatum, Thymus lacaitae, Herniaria fruticosa, Centaurea hyssopifolia, Gypsophila struthium, Teucrium pumila, etc.

**F6.7112.ES** Matorrales calcáreo-yesíferos de Ononis tridentata

**F6.7113.ES** Matorrales gipsícolas de Vella pseudocytisus

**F6.712** Eastern Andalusian gypsum scrubs

**F6.713** Dueran gypsum scrubs

**F6.72** Ebro gypsum scrubs

**F6.721** *Gypsophila hispanica* garrigues

**F6.722** *Helianthemum squamatum* garrigues

**F6.723** *Ononis tridentata* garrigues

**F6.724**.ES Tomillares de Lepidium subulatum de suelos yesíferos pulverulentos

**F6.725.ES** Matorrales (generalmente romerales) sobre yesos y calizas, con Helianthemum squamatum (y sin Ononis tridentata ni Gypsophila)

**F6.73** Southeastern Iberian gypsum scrubs

**F6.731.ES** Matorrales laxos de Anabasis articulata sobre litosuelos yesosos

**F6.732.ES** Matorrales con abundancia de Ononis tridentata, sobre suelos yesíferos o margoso-yesíferos

**F6.733.ES** Tomillares con abundancia de Teucrium lepicephalum, generalmente acompañado por Helianthemum squamatum y Ononis tridentata

**F6.734.ES** Tomillares con abundancia de Teucrium libanitis

**F6.7341.ES** Tomillares con abundancia de Teucrium libanitis, generalmente acompañado por Helianthemum squamatum y Ononis tridentata

**F6.7342.ES** Tomillares con abundancia de Teucrium libanitis, junto con Gypsophila struthium, de óptimo continental

**F6.735.ES** Tomillares con abundancia de Teucrium balthazaris

**F6.8** Xero-halophile scrubs

**F6.81** Canary Island xero-halophilous scrubs

**F6.811** Canary Island coastal scrub

**F6.812** Canary Island *Zygophyllum* dry scrubs

**F6.813** Canary Island *Salsola longifolia* dry scrubs

**F6.82** Mediterranean halo-nitrophilous scrubs

**F6.821** Ebro sisallares

**F6.822** Manchegan sisallares

**F6.823** Catalano-Valencian halo-nitrophilous scrubs

**F6.8231.ES** Matorrales de Suaeda vera (S.fruticosa) sobre suelos salinos nitrificados del litoral

**F6.8232.ES** Matorrales altos de Salsola vermiculata y Atriplex halimus, de ambientes áridos del litoral

**F6.8233.ES** Matorrales ornitocoprófilos altos de Lavatera arborea y Medicago citrina

**F6.824** Southeastern Iberian matojares

**F6.8241.ES** Matorrales halonitrófilos con abundancia de Salsola genistoides

**F6.83** Interior Iberian salt scrubs

**F6.831** Interior woody seablite scrubs

**F6.832** Interior glaucous glasswort scrubs

**F6.833** Interior creeping glasswort scrubs

## F7 Spiny Mediterranean heaths (phrygana, hedgehog-heaths and related coastal cliff vegetation)

**F7.1** West Mediterranean spiny heaths

**F7.11** West Mediterranean mainland clifftop phrygana

**F7.112** Crystalline Provence phrygana

**F7.113** West-Mediterranean *Anthyllis* phrygana

**F7.115** Cabo de Creus phrygana

**F7.12** Balearic clifftop phrygana

**F7.4** Hedgehog-heaths

**F7.41** Pyrenean hedgehog-heaths

**F7.42** Cordilleran hedgehog-heaths

**F7.421** Gredos hedgehog-heaths

**F7.422** Bejar-Peña de Francia hedgehog-heaths

**F7.424** Western Cordilleran secondary hedgehog-heaths

**F7.425.ES** Matorrales xeroacánticos noroccidentales oro-supramediterráneos dominados por Echinospartum ibericum

**F7.426.ES** Matorrales xeroacánticos de Echinospartum ibericum de las sierras paleozoicas lusoextremadurenses

**F7.43** Nevadan hedgehog-heaths

**F7.431** Lower Nevadan hedgehog-heaths

**F7.432** Middle Nevadan hedgehog-heaths

**F7.433** Upper Nevadan hedgehog-heaths

**F7.434** Nevadan dwarf cushion-heaths

**F7.4341** Siliceous Nevadan dwarf cushion-heaths

**F7.4342** Calcareous Nevadan dwarf cushion-heaths

**F7.435** Nevadan *Genista* hedgehog-heaths

**F7.44** Franco-Iberian hedgehog-heaths

**F7.441** *Erinacea* hedgehog-heaths

**F7.4411** Baetic *Erinacea-Vella* hedgehog-heaths

**F7.4412** Iberian Range *Erinacea* hedgehog-heaths

**F7.4413** Maestrazgo *Erinacea-Genista* hedgehog-heaths

**F7.4414** Southeastern *Erinacea* hedgehog-heath

**F7.4415** Southeastern *Daphne* hedgehog-heaths

**F7.4416.ES** Matorrales supramediterráneos de Erinacea anthyllis de la orla mesozoica del Sistema Central

**F7.442** Peri-Nevadan dwarf cushion-heaths

**F7.4421** Cazorla dwarf cushion-heaths

**F7.4422** Baza-Tejeda-Ronda dwarf cushion-heaths

**F7.4423** Magina dwarf cushion-heaths

**F7.4424** Maria-Maimon dwarf cushion-heaths

**F7.443** *Echinospartum boissieri* hedgehog-heaths

**F7.4431** Alcaraz *Echinospartum* hedgehog-heaths

**F7.4432** Gador *Echinospartum* hedgehog-heaths

**F7.4433** Baetic *Echinospartum* hedgehog-heaths

**F7.444** Catalano-Valencian *Erinacea* hedgehog-heaths

**F7.445** *Genista* cushion-heaths

**F7.4451** Pyreneo-Cantabrian cushion-heaths

**F7.4452** *Genista sanabrensis* cushion-heaths

**F7.4453** *Genista pumila* cushion-heaths

**F7.4454** *Genista scorpius* cushion-heaths

**F7.4455** *Genista pseudopilosa* cushion-heaths

**F7.446** Collinar *Astragalus* hedgehog-heaths

**F7.4461** Dueran *Astragalus* hedgehog-heaths

**F7.4462** Southern Mesetan *Astragalus* hedgehog-heaths

**F7.447** Summital Balearic labiate hedgehog-heaths

**F7.4471** Mallorcan hedgehog-heaths

**F7.4472** Menorcan hedgehog-heaths

**F7.4E** *Astragalus sempervirens* hedgehog-heaths

**F7.4F** Canary Island cushion-heaths

**F7.4F1** Tenerife cushion-heaths

**F7.4F2** La Palma cushion-heaths

## F8 Thermo-Atlantic xerophytic scrub

**F8.1** Canary Island xerophytic scrub

**F8.11** Western Canary Island *Euphorbia* communities

**F8.111** Cardonales

**F8.112** Spurge tabaibales

**F8.113** Kleinia tabaibales

**F8.114** Dragon tree communities

**F8.115** *Cneorum* cushion communities

**F8.116** *Plocama* communities

**F8.12** Western Canary Island saxicolous formations

**F8.121** Western Canary Island saxicolous labiate communities

**F8.122** Cardoncillo communities

**F8.123** Western Canary Island crassulid communities

**F8.13** Eastern Canary Island xerophytic communities

**F8.14** Canary Island *Launaea* scrub

## F9 Riverine and fen scrubs

**F9.1** Riverine scrub

**F9.11** Orogenous riverine brush

**F9.111** Pre-Alpine willow-tamarisk brush

**F9.112** Pre-Alpine willow and sea-buckthorn brush

**F9.116.ES** Saucedas de Salix daphnoides, de las gleras y arenales de los ríos pirenaicos

**F9.12** Lowland and collinar riverine *Salix* scrub

**F9.122** Western Mediterranean purple willow scrub

**F9.124** Ibero-montane riverine willow scrub

**F9.125** Cantabrian willow scrub

**F9.126** Iberian sage-leaved willow scrub

**F9.127** Pedicellated willow scrub

**F9.1271** Andalusian willow scrub

**F9.1275.ES** Saucedas de Salix pedicellata del norte de África

**F9.1276.ES** Saucedas de Salix pedicellata del sureste ibérico

**F9.12B.ES** Saucedas ibéricas eurosiberianas de Salix atrocinerea y/o S. caprea

**F9.13** Montane river gravel low brush

**F9.14** Gravel bank thickets and woods

**F9.2** *Salix* carr and fen scrub

**F9.27.ES** Saucedas arbustivas de llanuras pantanosas y depresiones húmedas o turbosas cántabro-atlánticas

**F9.3** Southern riparian galleries and thickets

**F9.31** *Nerium oleander*, *Vitex agnus-castus* and *Tamarix* galleries

**F9.311** Oleander galleries

**F9.312** Chaste tree thickets

**F9.313** Mediterraneo-Macaronesian tamarisk thickets

**F9.3131** West Mediterranean tamarisk thickets

**F9.3132** Macaronesian tamarisk thickets

**F9.31321** Canary Island tamarisk thickets

**F9.3134** Hyper-saline Mediterranean tamarisk stands

**F9.31341** Iberian *Tamarix boveana* stands

**F9.31342** Saline *Tamarix canariensis* stands

**F9.32** Southwestern Iberian tamujares, formed by *Securinega tinctoria*

**F9.33** Lauriphyllous galleries of the Cordillera Oretana

**F9.34** *Myrica gale* - *Salix* scrub of the Cordillera Oretana

## FA Hedgerows

## FB Shrub plantations

**FB.1** Shrub plantations for whole-plant harvesting

**FB.3** Shrub plantations for ornamental purposes or for fruit, other than vineyards

**FB.31** Shrub and low-stem tree orchards

**FB.311.ES** Cultivos de avellano (Corylus avellana)

**FB.312.ES** Cultivos de frutales manzanos (Pyrus malus), perales (Pyrus communis) y otras rosáceas en espaldera

**FB.32** Ornamental shrub plantations

**FB.4** Vineyards

**FB.41** Traditional vineyards

**FB.42** Intensive vineyards

# G Woodland, forest and other wooded land

## G1 Broadleaved deciduous woodland

**G1.1** Riparian and gallery woodland, with dominant *Alnus*, *Betula*, *Populus* or *Salix*

**G1.11** Riverine *Salix* woodland

**G1.111** Middle European *Salix alba* forests

**G1.1111** Western European white willow forests

**G1.112** Mediterranean tall *Salix* galleries

**G1.1121** Mediterranean white willow galleries

**G1.11211** Central Iberian *Salix neotricha* galleries

**G1.11212** Eumediterranean white and crack willow galleries

**G1.11213.ES** Bosques ribereños norteafricanos con S. fragilis y chopos (Populus spp.)

**G1.1122** Olive-leaved and ashy willow riparian woods

**G1.11221** Iberian olive-leaved willow woods

**G1.11222** Andalusian olive-leaved willow woods

**G1.113** Canary Island *Salix* galleries

**G1.13** Southern *Alnus* and *Betula* galleries

**G1.131** Southern *Alnus glutinosa* galleries

**G1.1311** Iberian meso-Mediterranean alder galleries

**G1.1312** Iberian supra-Mediterranean alder galleries

**G1.1316.ES** Alisedas con laureles de las zonas bajas de Cataluña

**G1.132** *Rhododendron* - *Alnus* galleries

**G1.134** Relict *Betula* galleries of Cordillera Oretana

**G1.2** Mixed riparian floodplain and gallery woodland

**G1.21** Riverine *Fraxinus* - *Alnus* woodland, wet at high but not at low water

**G1.211** *Fraxinus* - *Alnus* woods of rivulets and springs

**G1.2111** Sedge ash-alder woods

**G1.2117.ES** Fresnedas riparias orocantábricas meridionales con megaforbios

**G1.214** Northern Iberian *Alnus* galleries

**G1.2141** Galicio-Cantabrian alder galleries

**G1.21411** Eume near-natural alder galleries

**G1.21412** Semi-natural Galicio-Cantabrian alder galleries

**G1.2142** Pyreneo-Cantabrian alder galleries

**G1.2143** Pyreneo-Catalonian alder galleries

**G1.21431.ES** Alisedas con Circaea lutetiana del piso montano del Pirineo oriental y áreas montañosas del noreste ibérico

**G1.21432.ES** Alisedas con Lamium flexuosum de las tierras bajas lluviosas y del piso submontano

**G1.21433.ES** Alisedas con Carex remota montano-pirenaicas y catalanídico septentrionales

**G1.215.ES** Choperas de Populus nigra naturales del norte de la Península Ibérica

**G1.22** Mixed *Quercus* - *Ulmus* - *Fraxinus* woodland of great rivers

**G1.226.ES** Bosques mixtos con Quercus spp., Ulmus spp., Fraxinus spp., etc., de las vegas de los ríos del norte de la Península ibérica

**G1.3** Mediterranean riparian woodland

**G1.31** Mediterranean riparian *Populus* forests

**G1.311** Iberian poplar galleries

**G1.3111.ES** Alamedas y choperas iberolevantinas con Vinca difformis y Coriaria myrtifolia

**G1.3112.ES** Alamedas y choperas catalano-aragonesas y castellanas con Rubia tinctorum

**G1.3113.ES** Choperas y alamedas castellanas septentrionales y oroibéricas con Salix neotricha y S. salviifolia

**G1.3114.ES** Alamedas y choperas murciano-almerienses con Lonicera biflora y Tamarix canariensis

**G1.3115.ES** Alamedas y choperas béticas con Nerium oleander

**G1.3116.ES** Alamedas y choperas béticas litorales con Salix pedicellata y Coriaria myrtifolia

**G1.3117.ES** Alamedas y choperas jerezano-aljíbicas con Crataegus monogyna

**G1.3118.ES** Alamedas y choperas luso-extremadurenses con Salix atrocinerea

**G1.312** Provenço-Languedocian poplar galleries

**G1.32** Mediterranean riparian *Ulmus* forests

**G1.33** Mediterranean riparian *Fraxinus* woods

**G1.331** Iberian supra-Mediterranean ash galleries

**G1.332** Iberian meso-Mediterranean ash galleries

**G1.333** Baetic ash-maple galleries

**G1.338.ES** Fresnedas de Fraxinus angustifolia de zonas bajas iberolevantinas y baleáricas

**G1.4** Broadleaved swamp woodland not on acid peat

**G1.41** *Alnus* swamp woods not on acid peat

**G1.412** Oligotrophic swamp alder woods

**G1.5** Broadleaved swamp woodland on acid peat

**G1.51** Sphagnum *Betula* woods

**G1.512** Sedge sphagnum birch woods

**G1.513** Meso-acidophilous birch swamp woods

**G1.52** *Alnus* swamp woods on acid peat

**G1.6** *Fagus* woodland

**G1.62** Atlantic acidophilous *Fagus* forests

**G1.622** Sub-Atlantic acidophilous beech forests

**G1.624** Pyreneo-Cantabrian acidophilous beech forests

**G1.625** Western Cantabrian acidophilous beech forests

**G1.626** Galician acidophilous beech forests

**G1.627** Humid Iberian acidophilous beech forests

**G1.628** Hyper-humid Iberian acidophilous beech forests

**G1.629** Ayllon acidophilous beech forests

**G1.64** Pyreneo-Cantabrian neutrophile *Fagus* forests

**G1.641** Hygrophile Pyrenean beech forests

**G1.642** Mesophile Pyrenean beech forests

**G1.643** Sub-humid oro-Cantabrian beech forests

**G1.65** Medio-European subalpine *Fagus* woods

**G1.66** Medio-European limestone *Fagus* forests

**G1.662** Northwestern Iberian xerophile beech woods

**G1.67** Southern medio-European *Fagus* forests

**G1.672** Pyreneo-C‚vennian acidophilous beech forest

**G1.675** Sub-Mediterranean calcicolous beech forests

**G1.6751** Box beech forests

**G1.7** Thermophilous deciduous woodland

**G1.71** Western *Quercus pubescens* woods and related communities

**G1.713** *Quercus palensis* woods

**G1.7131.ES** Robledales de Quercus humilis (o híbridos) calcícolas, colinos, montanos y supramediterráneos

**G1.7132.ES** Robledales de Quercus humilis (o híbridos) silicícolas, montanos y supramediterráneos

**G1.714** Eu-Mediterranean white oak woods

**G1.77** Afro-Iberian thermophilous *Quercus* forests

**G1.771** Spanish *Quercus faginea* forests

**G1.7711** Western Spanish *Quercus faginea* forests

**G1.7712** Central Spanish *Quercus faginea* forests

**G1.7713** Eastern Spanish *Quercus faginea* forests

**G1.7714** Baetic *Quercus faginea* forests

**G1.7715** Valencian *Quercus faginea* forests

**G1.7716.ES** Quejigares cantabro-atlánticos de Quercus faginea subsp. faginea

**G1.7717.ES** Bosques lusoextremadurenses de Quercus faginea subsp. broteroi

**G1.7718.ES** Bosques béticos de Quercus faginea subsp. broteroi

**G1.773** Andalusian *Quercus canariensis* forests

**G1.774** Catalonian *Quercus canariensis* stands

**G1.775** Balearic *Quercus faginea* woods

**G1.776.ES** Bosques de Quercus canariensis norteafricanos

**G1.7B** *Quercus pyrenaica* woodland

**G1.7B1** Central Iberian *Quercus pyrenaica* forests

**G1.7B11** Sub-Atlantic Iberian *Quercus pyrenaica* forests

**G1.7B111** Sub-Atlantic sub-humid *Quercus pyrenaica* forests

**G1.7B112** Sub-Atlantic humid *Quercus pyrenaica* forests

**G1.7B12** Iberian sub-continental *Quercus pyrenaica* forests

**G1.7B121** Sub-continental sub-humid *Quercus pyrenaica* forests

**G1.7B122** Sub-continental humid *Quercus pyrenaica* forests

**G1.7B13** Mariano-Oretanian *Quercus pyrenaica* forests

**G1.7B131** Lower Mariano-Oretanian *Quercus pyrenaica* forests

**G1.7B132** Upper Mariano-Oretanian *Quercus pyrenaica* forests

**G1.7B2** Cantabrian *Quercus pyrenaica* forests

**G1.7B3** Maestrazgan *Quercus pyrenaica* forests

**G1.7B4** Baetic *Quercus pyrenaica* forests

**G1.7C** Mixed thermophilous woodland

**G1.7C3** Thermophilous *Acer* woods

**G1.7C31** Andalusian *Acer granatense* woods

**G1.7C32** Balearic *Acer granatense* woods

**G1.7C35.ES** Bosquetes iberolevantinos de Acer granatense

**G1.7C36.ES** Bosquetes ibéricos de Acer monspessulanum

**G1.7C37.ES** Bosquetes submediterráneos de Acer campestre

**G1.7C4** Thermophilous [Tilia] woods

**G1.7C5** *Celtis australis* woods

**G1.7C6** Thermophilous *Fraxinus* woods

**G1.7C62** Iberian narrow-leaved ash woods

**G1.7C63** Manna tree woods

**G1.7C8** Sub-Mediterranean and Pannonic mixed woods

**G1.7C81** Sub-Mediterranean mixed woods

**G1.7D** *Castanea sativa* woodland

**G1.7D9** Gallo-Iberian *Castanea sativa* forests

**G1.8** Acidophilous *Quercus*-dominated woodland

**G1.86** Ibero-Atlantic acidophilous *Quercus* forests

**G1.861** Pyrenean acidophilous oak forests

**G1.8611.ES** Bosques de Quercus petraea, a veces con otros caducifolios (Betula pendula, etc.), acidófilos y mesófilos, pirenaicos y del noreste ibérico

**G1.8612.ES** Bosques de Quercus petraea, a menudo con abedules (Betula pendula), acidófilos e higrófilos, pirenaicos

**G1.862** Cantabrian acidophilous oak forests

**G1.8621** Eastern Cantabrian acidophilous oak forests

**G1.8622** Western Cantabrian acidophilous oak forests

**G1.8623** Oro-Cantabrian acidophilous oak forests

**G1.8624.ES** Bosques de Quercus petraea, a menudo con melojos (Q. pyrenaica), acidófilos, del Sistema Ibérico

**G1.863** Luso-Galician collinar acidophilous oak forests

**G1.8631** Mesophile Luso-Galician collinar oak forests

**G1.8632** Humid Luso-Galician collinar oak forests

**G1.864** Luso-Galician montane acidophilous oak forests

**G1.9** Non-riverine woodland with *Betula*, *Populus tremula* or *Sorbus aucuparia*

**G1.91** *Betula* woodland not on marshy terrain

**G1.911** Atlantic lowland and collinar *Betula* woods

**G1.9113** Iberian acidophilous birch woods

**G1.913** Hercynio-Alpine *Betula* woods

**G1.9131** Alpine timberline birch woods

**G1.91312.ES** Abedulares de Betula alba, a veces con Pinus uncinata, Sorbus aucuparia, Rhododendron ferrugineum, etc., subalpinos, pirenaicos

**G1.9133** Pyrenean birch woods

**G1.91331.ES** Abedulares higrófilos, acidófilos, estables, montanos, pirenaicos

**G1.91332.ES** Abedulares seriales o secundarios, montanos o subalpinos, pirenaicos

**G1.91333.ES** Abedulares (Betula alba, B. pendula), con sotobosque de megaforbias, de optimo altimontano, pirenaicos

**G1.915** Montane *Betula celtiberica* woodlands

**G1.9151** Cantabrian *Betula celtiberica* woodlands

**G1.9152** Western *Betula celtiberica* woodlands

**G1.9153** Sorian and Guadarraman *Betula celtiberica* woodlands

**G1.92** *Populus tremula* woodland

**G1.922** Lowland nemoral *Populus tremula* woods

**G1.923** Montane *Populus tremula* stands

**G1.924** Sub-Mediterranean *Populus tremula* stands

**G1.93** *Sorbus aucuparia* woodland

**G1.A** Meso- and eutrophic *Quercus*, *Carpinus*, *Fraxinus*, *Acer*, *Tilia*, *Ulmus* and related woodland

**G1.A1** *Quercus* - *Fraxinus* - *Carpinus betulus* woodland on eutrophic and mesotrophic soils

**G1.A19** Pyreneo-Cantabrian *Quercus* - *Fraxinus* forests

**G1.A191.ES** Carvallares (bosques de Quercus robur), higrófilos y eutróficos, pirenaico-cantábricos

**G1.A192.ES** Bosques mixtos de Quercus robur, Fraxinus excelsior, Tilia spp., etc., higrófilos y eutróficos, pirenaico-cantábricos

**G1.A193.ES** Bosques de roble albar (Quercus petraea), mesohigrófilos, de los Pirineos y de las montañas catalanídicas septentrionales

**G1.A194.ES** Bosques mixtos caducifolios sin robles, mesohigrófilos y eutróficos, montano-pirenaicos

**G1.A195.ES** Robledales de Quercus petraea eutróficos cantábricos

**G1.A2** Non-riverine *Fraxinus* woodland

**G1.A23** Pyreneo-Cantabrian *Fraxinus* forests

**G1.A231.ES** Fresnedas de Fraxinus excelsior del Pirineo

**G1.A232.ES** Fresnedas de Fraxinus excelsior del Sistema Ibérico

**G1.A233.ES** Fresnedas de Fraxinus excelsior cantábricas

**G1.A3** *Carpinus betulus* woodland

**G1.A4** Ravine and slope woodland

**G1.A41** Medio-European ravine forests

**G1.A44** Pyreneo-Cantabrian mixed *Ulmus* - *Quercus* forests

**G1.A4A.ES** Bosques caducifolios mixtos, a menudo con Acer platanoides, de las laderas pedregosas y sombrías de los pisos altimontano y subalpino del Pirineo central

**G1.A4B.ES** Bosques mixtos con Tilia platyphyllos del Sistema Ibérico, junto con arces (Acer spp.), mostajos (Sorbus aria, S. torminalis), Ulmus glabra, Corylus avellana

**G1.A4C.ES** Bosques mixtos con abundancia de arce campestre (Acer campestre), mesófilos y eutróficos, de la Cataluña central

**G1.B** Non-riverine *Alnus* woodland

**G1.B2** Nemoral *Alnus* woods

**G1.B21** Atlantic *Alnus glutinosa* woods

**G1.C** Highly artificial broadleaved deciduous forestry plantations

**G1.C1** *Populus* plantations

**G1.C11** Poplar plantations with megaphorb herb layer

**G1.C12** Other poplar plantations

**G1.C2** Deciduous exotic *Quercus* plantations

**G1.C3** *Robinia* plantations

**G1.C4** Other broadleaved deciduous plantations

**G1.C41.ES** Plantaciones de plátanos (Platanus spp.)

**G1.C42.ES** Plantaciones de robles o quejigos

**G1.D** Fruit and nut tree orchards

**G1.D1** *Castanea sativa* plantations

**G1.D2** *Juglans* groves

**G1.D3** *Prunus amygdalus* groves

**G1.D4** Fruit orchards

**G1.D41.ES** Frutales templados de cultivo extensivo

**G1.D42.ES** Frutales termófilos de cultivo intensivo

**G1.F.ES** Bosques orocantábricos occidentales de serbales y sauces cabrunos

## G2 Broadleaved evergreen woodland

**G2.1** Mediterranean evergreen *Quercus* woodland

**G2.11** *Quercus suber* woodland

**G2.111** Tyrrhenian *Quercus suber* forests

**G2.1116** Catalan cork-oak woodland

**G2.1117** Valencian cork-oak woodland

**G2.1118** Balearic cork-oak woodland

**G2.1119.ES** Alcornocales aragoneses

**G2.112** Southwestern Iberian *Quercus suber* forests

**G2.1121** Thermo-Mediterranean cork-oak woodland

**G2.1122** Aljibian cork-oak forests

**G2.1123** Eastern Andalusian cork-oak woodland

**G2.1124** Extremaduran cork-oak woodland

**G2.1125.ES** Alcornocales psammófilos termomediterráneos seco-subhúmedos lusitano-andaluces

**G2.113** Northwestern Iberian *Quercus suber* woodland

**G2.115.ES** Alcornocales del norte de África

**G2.1152.ES** Alcornocales subhúmedos del norte de África

**G2.116.ES** Alcornocales cantábricos

**G2.12** *Quercus ilex* woodland

**G2.121** Meso-Mediterranean *Quercus ilex* forests

**G2.1211** Northwestern Iberian holm-oak forests

**G2.1212** Catalo-Provençal lowland holm-oak woodland

**G2.12121.ES** Encinares de Quercus ilex del mesomediterráneo inferior

**G2.12122.ES** Bosques de Quercus ilex con Quercus faginea, Q. humilis, etc., del mesomediterráneo inferior

**G2.1213** Catalo-Provencal hill holm-oak forest

**G2.12131.ES** Encinares de Quercus ilex del mesomediterráneo superior, en terrenos silíceos

**G2.12132.ES** Encinares de Quercus ilex del mesomediterráneo superior, en terrenos calcáreos

**G2.1214** Balearic holm-oak forests

**G2.122** Supra-Mediterranean *Quercus ilex* forests

**G2.1221.ES** Encinares de Quercus ilex supramediterráneos del noreste ibérico

**G2.124** *Quercus rotundifolia* woodland

**G2.1241** Continental *Quercus rotundifolia* woodland

**G2.12411** Meso-Mediterranean continental encinares

**G2.12412** Supra-Mediterranean Iberian continental encinares

**G2.12413** Northern supra-Mediterranean continental encinares

**G2.12414** Oro-Cantabrian encinares

**G2.12415.ES** Encinares de Quercus rotundifolia pirenaicos con Buxus sempervirens

**G2.12416.ES** Encinares de Quercus rotundifolia con robles o quejigos (Q. humilis o hibridos, Quercus faginea), mesomediterráneos y submontanos

**G2.12418.ES** Encinares de Quercus rotundifolia con Q. pyrenaica del piso supramediterráneo del Sistema Ibérico

**G2.12419.ES** Encinares de Quercus rotundifolia con Q. suber del Sistema Ibérico

**G2.1242** Western *Quercus rotundifolia* woodland

**G2.12421** Luso-Extremaduran encinares

**G2.12422** Castilian encinares

**G2.12423** Cordilleran encinares

**G2.12424** Villuercan encinares

**G2.1243** Andalusian *Quercus rotundifolia* woodland

**G2.12431** Meso-Mediterranean basophilous Andalusian encinares

**G2.12432** Supra-Mediterranean basophilous Andalusian encinares

**G2.12433** Silicicolous Andalusian encinares

**G2.1244** Southwestern *Quercus rotundifolia* woodland

**G2.12441** Basophilous southwestern encinares

**G2.12442** Silicicolous southwestern encinares

**G2.1245** Valencian *Quercus rotundifolia* woodland

**G2.12451.ES** Encinares de Quercus rotundifolia termomediterráneos de óptimo litoral

**G2.12452.ES** Encinares de Quercus rotundifolia meso-supramediterráneos de óptimo levantino

**G2.12453.ES** Encinares de Quercus rotundifolia setabenses, frecuentemente con Fraxinus ornus

**G2.1246** Balearic *Quercus rotundifolia* woodland

**G2.2** Eurasian continental sclerophyllous woodland

**G2.3** Macaronesian *Laurus* woodland

**G2.33** Canary Island laurisilvas

**G2.331** Laurisilvas of La Gomera

**G2.332** Laurisilvas of Tenerife

**G2.333** Laurisilvas of La Palma

**G2.334** Laurisilvas of Hierro

**G2.335** Laurisilvas of Gran Canaria

**G2.4** *Olea europaea* - *Ceratonia siliqua* woodland

**G2.41** Wild *Olea europaea* woodland

**G2.42** *Ceratonia siliqua* woodland

**G2.43** Canary Island *Olea europaea* woodland

**G2.5** *Phoenix* groves

**G2.52** Canary Island *Phoenix canariensis* groves

**G2.6** *Ilex aquifolium* woods

**G2.61.ES** Bosques atlánticos de Ilex aquifolium

**G2.62.ES** Bosques meso-supramediterráneos de Ilex aquifolium

**G2.7** Canary Island heath woodland

**G2.71** Canary Island fayal-brezal

**G2.72** *Visnea* - *Arbutus* forests

**G2.73** Hierran fayal

**G2.8** Highly artificial broadleaved evergreen forestry plantations

**G2.81** *Eucalyptus* plantations

**G2.82** Evergreen exotic *Quercus* plantations

**G2.83** Other evergreen broadleaved tree plantations

**G2.831.ES** Plantaciones de encinas o alcornoques

**G2.9** Evergreen orchards and groves

**G2.91** *Olea europaea* groves

**G2.911.ES** Olivares tradicionales

**G2.912.ES** Olivares intensivos

**G2.92** Citrus orchards

**G2.93** *Phoenix* plantations

**G2.94** Other evergreen orchards

**G2.941.ES** Cultivos de algarrobos (Ceratonia siliqua)

## G3 Coniferous woodland

**G3.1** *Abies* and *Picea* woodland

**G3.11** Neutrophile medio-European *Abies* forests

**G3.112** Neutrophile Hercynio-Alpine fir forests

**G3.113** Pyrenean fir forests

**G3.12** Calciphilous *Abies alba* forests

**G3.122** Outer Alpine calcicolous fir forests

**G3.125.ES** Abetales con Pulsatilla alpina subsp. font-queri, calcícolas, del piso subalpino de los Pirineos

**G3.13** Acidophilous *Abies alba* forests

**G3.132** Acidophile Hercynio-Alpine fir forests

**G3.1321** Peri-Alpine acidophile fir forests

**G3.133** Alpenrose fir forests

**G3.1331** Pyrenean alpenrose fir forest

**G3.19** *Abies pinsapo* forests

**G3.191** Ronda pinsapo fir forests

**G3.192** Bermeja pinsapo fir forests

**G3.3** *Pinus uncinata* woodland

**G3.31** *Pinus uncinata* forests with *Rhododendron ferrugineum*

**G3.313** Pyrenean alpenrose mountain pine forests

**G3.32** Xerocline *Pinus uncinata* forests

**G3.324** Pyrenean adret mountain pine forests

**G3.3241** Speedwell mountain pine forests

**G3.3242** Pyrenean bearberry mountain pine forests

**G3.325** Pasqueflower mountain pine forests

**G3.326** Mountain pine forests of the Iberian Range

**G3.3261** Urbion mountain pine forests

**G3.3262** Gudar mountain pine forests

**G3.33** *Pinus uncinata* reforestation

**G3.4** *Pinus sylvestris* woodland south of the taiga

**G3.46** Pyrenean mesophile *Pinus sylvestris* forests

**G3.461** Pyrenean calcicolous mesophile Scots pine forests

**G3.462** Pyrenean siliceous mesophile Scots pine forests

**G3.49** Supra-Mediterranean *Pinus sylvestris* forests

**G3.492.ES** Pinares de pino albar (Pinus sylvestris) con boj (Buxus sempervirens) pirenaicos, prepirenaicos y del Sistema Ibérico

**G3.4921.ES** Bosques de Pinus sylvestris, calcícolas y xerófilos, del Prepirineo y Pirineo

**G3.4922.ES** Bosques de Pinus sylvestris neutrobasófilos y mesófilos del Pirineo, Prepirineo y áreas próximas

**G3.4923.ES** Pinares supramediterráneos de pino albar (Pinus sylvestris) con boj (Buxus sempervirens) del Sistema Ibérico y del territorio catalanídico central y meridional

**G3.4A** Iberian calcareous *Pinus sylvestris* woods

**G3.4A1** Pyrenean hedgehog-heath Scots pine woods

**G3.4A2** Savin Scots pine forests

**G3.4A21** Iberian-Range calcicolous Scots pine forests

**G3.4A22** Baetic calcicolous Scots pine forests

**G3.4A3.ES** Pinares de pino albar supramediterráneos del Sistema Ibérico meridional, con Festuca gautieri, Hepatica nobilis, Helleborus foetidus y otras especies submediterráneas

**G3.4B** Iberian silicicolous *Pinus sylvestris* forests

**G3.4B1** Pyrenean xerophile Scots pine forests

**G3.4B11.ES** Bosques de pino albar (Pinus sylvestris), acidófilos y xerófilos, de los pisos montano y submontano del Pirineo y áreas próximas

**G3.4B2** Iberian-Range silicicolous Scots pine forests

**G3.4B21.ES** Pinares de Pinus sylvestris silicícolas, oromediterráneos, del Sistema Ibérico

**G3.4B22.ES** Pinares de Pinus sylvestris silicícolas, supramediterráneos, del Sistema Ibérico

**G3.4B23.ES** Bosques de Pinus sylvestris, acidófilos y xerófilos, del territorio catalanídico central

**G3.4B3** Cordilleran silicicolous Scots pine forests

**G3.4B31** Summital Guadarraman silicicolous Scots pine forests

**G3.4B32** Lower Cordilleran silicicolous Scots pine forests

**G3.4B4** Cantabrian Scots pine forests

**G3.4F** European *Pinus sylvestris* reforestation

**G3.4G.ES** Bosques de Pinus sylvestris con sotobosque de maquias o matorrales mediterráneos

**G3.5** *Pinus nigra* woodland

**G3.53** *Pinus salzmannii* forests

**G3.532** Pre-Pyrenean Salzmann's pine forests

**G3.533** Northern-Iberian Salzmann's pine forests

**G3.534** Cordilleran Salzmann's pine forests

**G3.535** Southern-Iberian Salzmann's pine forests

**G3.5351.ES** Pinares de Pinus nigra subsp. salzmannii mesófilos, con Festuca gautieri, Hepatica nobilis, Helleborus foetidus y otras especies submediterráneas

**G3.5352.ES** Pinares de Pinus nigra subsp. salzmannii mesoxerófilos, con Lavandula latifolia, Salvia lavandulifolia, Erinacea anthyllis y otros caméfitos mediterráneos

**G3.5353.ES** Pinares de Pinus nigra subsp. salzmannii xerotermófilos, con Erica multiflora y ocasionalmente Ulex parviflorus

**G3.536** Baetic Salzmann's pine forests

**G3.5361** Supra-Mediterranean Baetic Salzmann's pine forests

**G3.5362** Oro-Mediterranean Baetic Salzmann's pine forests

**G3.538.ES** Bosques de pino negral (Pinus nigra subsp. salzmannii) de las montañas mediterráneas meridionales catalanas

**G3.57** *Pinus nigra* reforestation

**G3.7** Lowland to montane mediterranean *Pinus* woodland (excluding *Pinus nigra*)

**G3.71** Maritime *Pinus pinaster ssp. atlantica* forests

**G3.714** Iberian *Pinus pinaster ssp. atlantica* forests

**G3.72** *Pinus pinaster ssp. pinaster* (*Pinus mesogeensis*) forests

**G3.721** Iberian mesogean pine forests

**G3.7211** Northern-Iberian mesogean pine forests

**G3.7212** Cordilleran mesogean pine forests

**G3.7213** Southern-Iberian mesogean pine forests

**G3.72131.ES** Pinares silicícolas de Pinus pinaster del Sistema Ibérico meridional

**G3.72132.ES** Pinares calcícolas de Pinus pinaster del sudeste ibérico

**G3.7214** Cazorlan mesogean pine forests

**G3.7215** Southern Andalusian mesogean pine forests

**G3.72151.ES** Pinares de pino resinero (Pinus pinaster) del Aljibe

**G3.72152.ES** Pinares de pino resinero (Pinus pinaster) sobre peridotitas

**G3.72153.ES** Pinares de pino resinero (Pinus pinaster) sobre dolomías

**G3.72154.ES** Pinares de pino resinero (Pinus pinaster) sobre calizas

**G3.72155.ES** Pinares de pino resinero (Pinus pinaster) sobre sustratos silíceos

**G3.7216** Leonese mesogean pine forests

**G3.7217** Catalonian mesogean pine forests

**G3.729.ES** Repoblaciones de Pinus pinaster en el entorno de su área natural

**G3.73** *Pinus pinea* forests

**G3.731** Iberian stone pine forests

**G3.7311** Western Andalusian stone pine forests

**G3.7313** Castilian stone pine forests

**G3.7314** Cordilleran stone pine forests

**G3.7315** Catalonian stone pine forests

**G3.7316** Morena stone pine forests

**G3.7317** Manchegan stone pine forests

**G3.732** Balearic stone pine woods

**G3.73E.ES** Pinares de pino piñonero (Pinus pinea) norteafricanos

**G3.74** *Pinus halepensis* forests

**G3.741** Iberian *Pinus halepensis* forests

**G3.742** Balearic *Pinus halepensis* forests

**G3.74B.ES** Pinares de pino carrasco (Pinus halepensis) del norte de África

**G3.74C.ES** Repoblaciones de Pinus halepensis en el entorno de su área natural

**G3.8** Canary Island *Pinus canariensis* woodland

**G3.81** *Pinus canariensis* - *Cistus symphytifolius* forests

**G3.811** Tenerife pine-rockrose forests

**G3.812** La Palma pine-rockrose forests

**G3.813** Gran Canaria pine-rockrose forests

**G3.814** Hierro pine-rockrose forests

**G3.82** *Pinus canariensis* - dry scrub forests

**G3.821** Tenerife pine-dry scrub woods

**G3.822** La Palma pine-dry scrub woods

**G3.823** Gran Canaria pine-dry scrub woods

**G3.824** Hierro pine-dry scrub woods

**G3.83** *Pinus canariensis* - heath forests

**G3.831** Tenerife pine-heath forests

**G3.832** La Palma pine-heath forests

**G3.833** Gran Canaria pine-heath forests

**G3.834** Hierro pine-heath forests

**G3.84** *Pinus canariensis* - *Adenocarpus viscosus* woods

**G3.841** Tenerife pine-broom woods

**G3.842** La Palma pine-broom woods

**G3.85** *Pinus canariensis* - *Juniperus cedrus* woods

**G3.851** Tenerife pine-juniper woods

**G3.852** La Palma pine-juniper woods

**G3.9** Coniferous woodland dominated by *Cupressaceae* or *Taxaceae*

**G3.92** Spanish *Juniperus thurifera* woods

**G3.921** Iberian Spanish juniper forests

**G3.922** Guadarraman Spanish juniper woods

**G3.9221** Guadarraman calciphilous Spanish juniper woods

**G3.9222** Guadarraman silicicolous Spanish juniper woods

**G3.923** Cantabrian Spanish juniper woods

**G3.924** Monegros Spanish juniper woods

**G3.925** Manchegan Spanish juniper woods

**G3.926** Baetic Spanish juniper woods

**G3.927** Pyrenean Spanish juniper woods

**G3.92C.ES** Sabinares albares (Juniperus thurifera) mesomediterráneos de los valles y piedemontes del Sistema Ibérico meridional

**G3.92D.ES** Sabinares albares arbóreos de la orla mesozoica de la Sierra de Ayllón

**G3.96** *Tetraclinis articulata* forests

**G3.961.ES** Bosques ibéricos de Tetraclinis articulata

**G3.962.ES** Bosques norteafricanos de Tetraclinis articulata

**G3.9621.ES** Formaciones de Tetraclinis articulata del noroeste de África

**G3.97** Western Palaearctic *Taxus baccata* woods

**G3.975** Iberian yew woods

**G3.97B.ES** Tejedas baleáricas

**G3.98** Macaronesian *Juniperus* woods

**G3.981** Canary Island juniper woods

**G3.983** Macaronesian Phoenician juniper woods

**G3.99** *Juniperus oxycedrus* woods

**G3.993.ES** Enebrales arbóreos ibéricos dominados por Juniperus oxycedrus subsp. badia

**G3.9A** *Juniperus phoenicea* woods

**G3.E** Nemoral bog conifer woodland

**G3.E1** *Pinus mugo* bog woods

**G3.E13.ES** Bosques turbosos de pino negro (Pinus uncinata) pirenaicos

**G3.E7.ES** Bosques turbosos de Pinus sylvestris ibéricos

**G3.F** Highly artificial coniferous plantations

**G3.F1** Native conifer plantations

**G3.F11** Native fir, spruce, larch, cedar plantations

**G3.F12** Native pine plantations

**G3.F13** Native cypress, juniper, yew plantations

**G3.F2** Exotic conifer plantations

**G3.F21** Exotic spruce, fir, larch, douglas fir, deodar plantations

**G3.F22** Exotic pine plantations

**G3.F23** Other exotic conifer plantations

**G3.G.ES** Bosques mixtos de coníferas

**G3.G1.ES** Bosques mixtos de abeto (Abies alba) y pino negro (Pinus uncinata)

**G3.G2.ES** Bosques mixtos de abeto (Abies alba) y pino albar (Pinus sylvestris)

**G3.G3.ES** Pinares mixtos de pino albar (Pinus sylvestris) y pino negral (Pinus nigra subsp. salzmannii)

**G3.G4.ES** Bosques mixtos de pino carrasco (Pinus halepensis) y pino negral (Pinus nigra subsp. salzmannii)

**G3.G5.ES** Pinares mixtos de pino carrasco (Pinus halepensis) y pino rodeno (Pinus pinaster)

**G3.G6.ES** Bosques mixtos de pino carrasco (Pinus halepensis) y sabina albar (Juniperus thurifera)

**G3.G7.ES** Bosques mixtos de Pinus pinaster y Abies pinsapo sobre serpentinas

**G3.G8.ES** Otros bosques mixtos de coníferas

## G4 Mixed deciduous and coniferous woodland

**G4.6** Mixed *Abies* - *Picea* - *Fagus* woodland

**G4.641.ES** Bosques mixtos de haya (Fagus sylvatica) y abeto (Abies alba), higrófilos, pirenaicos

**G4.642.ES** Bosques mixtos de haya (Fagus sylvatica) y pino albar (Pinus sylvestris), mesófilos, latepirenaicos

**G4.645.ES** Bosques mixtos de haya (Fagus sylvatica), abeto (Abies alba) y pino albar (Pinus sylvestris)

**G4.672.ES** Bosques mixtos de haya (Fagus sylvatica) y abeto (Abies alba), acidófilos, pirenaicos

**G4.6751.ES** Bosques mixtos de Fagus sylvatica y Pinus sylvestris, calcícolas y xeromesófilos, del piso montano

**G4.C** Mixed *Pinus sylvestris* - thermophilous *Quercus* woodland

**G4.C131.ES** Bosques mixtos de roble peloso (Quercus humilis) o híbridos y pino albar (Pinus sylvestris), calcícolas, montano-pirenaicos

**G4.C132.ES** Bosques mixtos de roble peloso (Quercus humilis) o híbridos y pino albar (Pinus sylvestris), silicícolas, del piso montano pirenaico

**G4.C133.ES** Bosques mixtos de Quercus humilis o híbridos y pino negral (Pinus nigra subsp. salzmannii), a veces con pino albar (Pinus sylvestris), prepirenaicos

**G4.C713.ES** Bosques mixtos de Quercus faginea o híbridos y Pinus nigra subsp. salzmannii o también con Pinus sylvestris, calcícolas

**G4.E** Mixed mediterranean pine - evergreen oak woodland

**G4.K6.ES** Bosques mixtos de Quercus pyrenaica y Pinus sylvestris ibéricos

**G4.K612.ES** Bosques mixtos de Quercus pyrenaica y Pinus sylvestris subcontinentales del Sistema Central y del Sistema Ibérico

**G4.K63.ES** Bosques mixtos de Quercus pyrenaica y Pinus sylvestris catalano-valenciano-aragoneses

**G4.L.ES** Otros bosques mixtos de caducifolios y coníferas

## G5 Lines of trees, small anthropogenic woodlands, recently felled woodland, early-stage woodland and coppice

**G5.1** Lines of trees

**G5.11.ES** Hileras de árboles perennifolios (cipreses, etc.)

**G5.12.ES** Hileras de árboles caducifolios

**G5.2** Small broadleaved deciduous anthropogenic woodlands

**G5.3** Small broadleaved evergreen anthropogenic woodlands

**G5.4** Small coniferous anthropogenic woodlands

**G5.5** Small mixed broadleaved and coniferous anthropogenic woodlands

**G5.6** Early-stage natural and semi-natural woodlands and regrowth

**G5.61** Deciduous scrub woodland

**G5.61A23.ES** Bosquetes jóvenes de Fraxinus excelsior procedentes de rebrote o de colonización

**G5.6171.ES** Bosquetes de Quercus humilis (e híbridos) procedentes de rebrote o de colonización

**G5.61862.ES** Bosquetes jóvenes de Fraxinus angustifolia procedentes de rebrote o de colonización

**G5.62** Mixed scrub woodland

**G5.63** Coniferous scrub woodland

**G5.635.ES** Bosquetes de pinos albares (Pinus sylvestris) jóvenes procedentes de colonización

**G5.6384.ES** Formaciones arbustivas de Pinus halepensis, más o menos altas, procedentes de colonización

**G5.65.ES** Formaciones arbustivas mixtas de árboles caducifolios y aciculifolios jóvenes, procedentes de rebrote o de colonización, en estadíos iniciales del bosque

**G5.7** Coppice and early-stage plantations

**G5.71** Coppice

**G5.76** Trees planted for early whole-tree harvesting

**G5.8** Recently felled areas

**G5.84** Herbaceous clearings

**G5.841** Willowherb and foxglove clearings

**G5.842** Burdock and deadly nightshade clearings

**G5.85** Shrubby clearings

# H Inland unvegetated or sparsely vegetated habitats

## H1 Terrestrial underground caves, cave systems, passages and waterbodies

**H1.1** Cave entrances

**H1.2** Cave interiors

**H1.22** Subtroglophile vertebrate caves

**H1.221** Continental subtroglophile vertebrate caves

**H1.2217.ES** Cuevas continentales con quirópteros

**H1.222** Insular subtroglophile vertebrate caves

**H1.2228.ES** Cuevas insulares con quirópteros

**H1.23** Troglobiont invertebrate caves

**H1.24** Troglophile invertebrate caves

**H1.25** Subtroglophile invertebrate caves

**H1.26** Caves without vertebrates or invertebrates

**H1.27.ES** Comunidades albergadas por aguas subterráneas (stygon)

**H1.29.ES** Comunidades subterráneas intersticiales

**H1.4** Lava tubes

**H1.42** Macaronesian lava tubes

**H1.7** Disused underground mines and tunnels

## H2 Screes

**H2.3** Temperate-montane acid siliceous screes

**H2.31** Alpine siliceous screes

**H2.311** Mountain sorrel screes

**H2.3113** Pyrenean mountain sorrel screes

**H2.317.ES** Pedregales silíceos con Androsace ciliata, Minuartia sedoides, etc., del piso alpino del Pirineo central

**H2.32** Medio-European upland siliceous screes

**H2.4** Temperate-montane calcareous and ultra-basic screes

**H2.43** Fine calcareous screes

**H2.431** Butterbur screes

**H2.5** Acid siliceous screes of warm exposures

**H2.51** Pyreneo-Alpine thermo-siliceous screes

**H2.511.ES** Pedrizas silíceas con Poa cenisia, Carduus carlinoides, etc., cálidas y secas, del piso alpino inferior (y del subalpino)

**H2.512.ES** Canchales silíceos con Senecio leucophyllus, Xatardia scabra, etc., de lugares fríos del piso alpino

**H2.52** Oro-Cantabrian siliceous screes

**H2.53** Ibero-Pyrenean acidophile fern screes

**H2.54** Carpetano-Iberian siliceous screes

**H2.55** Nevadan siliceous screes

**H2.551** Nevadan foxglove screes

**H2.552** Nevadan violet screes

**H2.6** Calcareous and ultra-basic screes of warm exposures

**H2.61** Peri-Alpine thermophilous screes

**H2.611** Rough-grass screes

**H2.62** Cevenno-Provençal screes

**H2.63** Pyrenean calcareous screes

**H2.631.ES** Pedregales calcáreos o esquistosos, con Iberis spathulata, Viola diversifolia, etc., del piso alpino

**H2.632.ES** Gleras calcáreas con Crepis pygmaea de laderas empinadas de la alta montaña

**H2.633.ES** Pedregales calcáreos con Androsace ciliata, Saxifraga oppositifolia, etc., del piso alpino de los Pirineos centrales

**H2.634.ES** Gleras y pedregales calcáreos, con Saxifraga praetermissa, etc., de lugares largamente innivados de la alta montaña

**H2.635.ES** Gleras calcáreas con Borderea pyrenaica, Aquilegia pyrenaica subsp. guarensis, Veronica aragonensis, Cirsium glabrum, Xatardia scabra, etc., del piso subalpino del Pirineo

**H2.6351.ES** Gleras calcáreas móviles con Borderea pyrenaica, Aquilegia pyrenaica subsp. guarensis, Veronica aragonensis, etc., del piso subalpino del Pirineo

**H2.6352.ES** Gleras calcáreas estabilizadas con Cirsium glabrum, Lithospermum gastonii, Armeria pubinervis, etc., del piso subalpino del Pirineo

**H2.64** Oro-Cantabrian calcareous screes

**H2.641.ES** Canchales calcáreos móviles orocantábricos

**H2.642.ES** Canchales calcáreos finos orocantábricos

**H2.643.ES** Canchales calcáreos quionófilos orocantábricos

**H2.644.ES** Canchales calcáreos con escorrentía orocantábricos

**H2.645.ES** Canchales calcáreos de lapiaz gelifractado orocantábricos

**H2.65** Iberian calciphile fern screes

**H2.66** Southern Iberian calcareous screes

**H2.661.ES** Canchales calizos de óptimo iberolevantino

**H2.662.ES** Canchales calizos subbéticos

**H2.6H.ES** Canchales calizos del Sistema Ibérico (Achnatherion calamagrostis)

**H2.6I.ES** Terreros erosionados (cárcavas)

**H2.6I1.ES** Terreros erosionados (cárcavas) calcáreos, margosos o yesíferos, con vegetación dispersa o casi desnudos

**H2.6I2.ES** Terreros erosionados (cárcavas) silíceos, arcillosos, con vegetación dispersa o casi desnudos

**H2.6J.ES** Canchales calizos baleáricos

## H3 Inland cliffs, rock pavements and outcrops

**H3.1** Acid siliceous inland cliffs

**H3.11** Middle European montane siliceous cliffs

**H3.111** Middle European high-altitude siliceous cliffs

**H3.1111.ES** Rocas silíceas con Androsace vandellii, etc., de la alta montaña alpino-pirenaica

**H3.12** Oro-Iberian siliceous cliffs

**H3.121** Ibero-Carpetanian siliceous cliffs

**H3.122** Nevadan siliceous cliffs

**H3.16** Peri-Pyrenean montane siliceous cliffs

**H3.17** Western Iberian siliceous cliffs

**H3.18** West Mediterranean thermophile siliceous cliffs

**H3.1B** Bare siliceous inland cliffs

**H3.1B2** Mountain siliceous cliffs

**H3.1B4** Nemoral low altitude siliceous cliffs

**H3.1B5** Mediterranean siliceous cliffs

**H3.1B6.ES** Roquedos silíceos norteafricanos

**H3.1C** Disused siliceous quarries

**H3.1D.ES** Rocas silíceas umbrías, con vegetación comofítica de musgos y helechos, del piso montano

**H3.1F.ES** Rocas silíceas sombrías, con vegetación comofítica de musgos y helechos, de las áreas mediterráneas

**H3.2** Basic and ultra-basic inland cliffs

**H3.21** Tyrrheno-Adriatic eumediterranean calcicolous chasmophyte communities

**H3.211** Petrarch-spleenwort cliffs

**H3.2111.ES** Roquedos calcáreos y dolomíticos iberomediterráneos

**H3.212** Southeastern Iberian chasmophyte communities

**H3.213** Balearic calcareous chasmophyte communities

**H3.214** Insular cabbage cliffs

**H3.2143** West-Mediterranean polypode cliffs

**H3.22** Central Pyrenean calcicolous chasmophyte communities

**H3.24** Western mediterraneo-montane chasmophyte communities

**H3.241** Ibero-montane cinquefoil cliffs

**H3.2411** Oro-Cantabrian calcareous cliffs

**H3.2412** Baetic calcareous cliffs

**H3.2413** Valencian calcareous cliffs

**H3.2414.ES** Roquedos calizos del Sistema Ibérico y castellano-cantábricos (meso, supra y oromediterráneos)

**H3.2415.ES** Roquedos calizos meso-supramediterráneos de la orla mesozoica del Sistema Central

**H3.25** Alpine and sub-mediterranean chasmophyte communities

**H3.251** Alpine calcareous cliff heliophile communities

**H3.252** Middle-European calcareous fern cliffs

**H3.2E** Bare limestone inland cliffs

**H3.2E2** Mountain limestone cliffs

**H3.2E4** Nemoral low altitude limestone cliffs

**H3.2E5** Mediterranean limestone cliffs

**H3.2E6.ES** Comunidades casmofíticas calcícolas del norte de África

**H3.2F** Disused chalk and limestone quarries

**H3.2K.ES** Rocas calcáreas umbrías, con vegetación comofítica formada por musgos y helechos, del piso montano

**H3.3** Macaronesian inland cliffs

**H3.4** Wet inland cliffs

**H3.41** Mediterranean wet inland cliffs

**H3.411.ES** Roquedos rezumantes con abundancia de Adiantum capillus-veneris (Adiantion capilli-veneris)

**H3.412.ES** Roquedos rezumantes con grasillas (Pinguicula spp.), generalmente con formación de toba o travertino (Pinguiculion longifoliae)

**H3.5** Almost bare rock pavements, including limestone pavements

**H3.51** Pavements, rock slabs, rock domes

**H3.511** Limestone pavements

**H3.5112.ES** Pavimentos, lapiaces y losas calcáreas de los niveles superiores de las altas montañas eurosiberianas y mediterráneas

**H3.5114.ES** Pavimentos, lapiaces y losas calcáreas de los niveles basales o colinos de la región eurosiberiana (atlántica)

**H3.5115.ES** Pavimentos, lapiaces y losas calcáreas de los niveles basales o termo-mesomediterráneos de la región mediterránea

**H3.512.ES** Pavimentos y losas de rocas silíceas

**H3.5122.ES** Pavimentos y losas de rocas silíceas de los niveles superiores de las altas montañas eurosiberianas y mediterráneas

**H3.5124.ES** Pavimentos y losas de rocas silíceas de los niveles basales o colinos de la región eurosiberiana (atlántica)

**H3.5125.ES** Pavimentos y losas de rocas silíceas de los niveles basales o termo-mesomediterráneos de la región mediterránea

**H3.6** Weathered rock and outcrop habitats

**H3.62** Sparsely vegetated weathered rock and outcrop habitats

**H3.7.ES** Rocas y muros colonizados por vegetación subnitrófila

**H3.8.ES** Roquedos extraplomados (calcáreos y dolomíticos)

**H3.81.ES** Roquedos extraplomados mediterráneos iberomagrebíes (Sarcocapnetalia enneaphyllae)

**H3.811.ES** Roquedos extraplomados de óptimo catalano-valenciano y centroibéricos meso-supramediterráneos (Sarcocapnion enneaphyllae)

**H3.812.ES** Roquedos extraplomados bético-setabenses, termo-supramediterráneos (Sarcocapnion pulcherrimae)

**H3.82.ES** Roquedos extraplomados ibéricos de óptimo pirenaico-cantábrico (Petrocoptidetalia pyrenaicae)

**H3.821.ES** Roquedos extraplomados submediterráneos de óptimo prepirenaico y excepcionalmente maestracense (Valeriano longiflorae-Petrocoptidion)

**H3.822.ES** Roquedos extraplomados galaico-bercianos con Petrocoptis endémicos

**H3.823.ES** Roquedos extraplomados cantábricos con Petrocoptis spp.

## H4 Snow or ice-dominated habitats

**H4.1** Snow packs

**H4.2** Ice caps and true glaciers

**H4.22** Cirque and valley glaciers

**H4.23** Glacierets

**H4.3** Rock glaciers and unvegetated ice-dominated moraines

## H5 Miscellaneous inland habitats with very sparse or no vegetation

**H5.3** Sparsely- or un-vegetated habitats on mineral substrates not resulting from recent ice activity

**H5.36** Shallow rocky soils with very sparse or no vegetation

**H5.37** Boulder fields

**H5.5** Burnt areas with very sparse or no vegetation

## H6 Recent volcanic features

**H6.1** Active volcanic features

**H6.14** Macaronesian fumaroles

**H6.141.ES** Fumarolas y solfataras de las Islas Canarias

**H6.17** Peri-Alpine fumaroles, solfataras and mofettes

**H6.2** Inactive recent volcanic features

**H6.21** Teide violet community

**H6.24** Barren lava fields and flows

**H6.242** Barren Macaronesian lava flows

**H6.244.ES** Formaciones volcanicas macaronésicas ocupadas por comunidades herbáceas, arbustivas o arbóreas

**H6.245.ES** Formaciones volcanicas macaronésicas ocupadas por comunidades fisurícolas

**H6.25** Volcanic ash and lapilli fields

**H6.252.ES** Campos de cenizas volcánicas y lapilli macaronésicos

# I Regularly or recently cultivated agricultural, horticultural and domestic habitats

## I1 Arable land and market gardens

**I1.1** Intensive unmixed crops

**I1.11** Large-scale intensive unmixed crops (>25ha)

**I1.12** Medium-scale intensive unmixed crops (1-25ha)

**I1.13** Small-scale intensive unmixed crops (<1ha)

**I1.2** Mixed crops of market gardens and horticulture

**I1.21** Large-scale market gardens and horticulture

**I1.22** Small-scale market gardens and horticulture, including allotments

**I1.3** Arable land with unmixed crops grown by low-intensity agricultural methods

**I1.31.ES** Cultivos extensivos de suelos húmedos (de regadío, cultivos de vega o de áreas muy lluviosas)

**I1.32.ES** Cultivos extensivos de secano de zonas bajas (colino, termo y mesomediterráneas)

**I1.33.ES** Cultivos extensivos de secano de montaña (supra y oromediterráneos)

**I1.4** Inundated or inundatable croplands, including rice fields

**I1.41.ES** Arrozales

**I1.43.ES** Otros cultivos inundables

**I1.5** Bare tilled, fallow or recently abandoned arable land

**I1.51** Bare tilled land

**I1.52** Fallow un-inundated fields with annual weed communities

**I1.53** Fallow un-inundated fields with annual and perennial weed communities

## I2 Cultivated areas of gardens and parks

**I2.1** Large-scale ornamental garden areas

**I2.2** Small-scale ornamental and domestic garden areas

**I2.21** Ornamental garden areas

**I2.22** Subsistence garden areas

**I2.23** Small parks and city squares

## I3.ES Áreas invadidas por especies alóctonas

**I3.1.ES** Matorrales de chumberas (Opuntia spp. y géneros afines)

**I3.2.ES** Tapices de Carpobrotus spp.

**I3.3.ES** Formaciones dominadas por pitas (Agave americana y otras especies)

**I3.4.ES** Setos dominados por Pittosporum spp.

**I3.5.ES** Setos y maquias con abundancia de acacias (Acacia saligna y otras especies)

# J Constructed, industrial and other artificial habitats

## J1 Buildings of cities, towns and villages

**J1.2** Residential buildings of villages and urban peripheries

**J1.4** Urban and suburban industrial and commercial sites still in active use

## J2 Low density buildings

**J2.3** Rural industrial and commercial sites still in active use

**J2.4** Agricultural constructions

**J2.43** Greenhouses

**J2.6** Disused rural constructions

## J3 Extractive industrial sites

**J3.1** Active underground mines

**J3.2** Active opencast mineral extraction sites, including quarries

**J3.3** Recently abandoned above-ground spaces of extractive industrial sites

## J4 Transport networks and other constructed hard-surfaced areas

**J4.1** Disused road, rail and other constructed hard-surfaced areas

**J4.5** Hard-surfaced areas of ports

## J5 Highly artificial man-made waters and associated structures

**J5.1** Highly artificial saline and brackish standing waters

**J5.11** Saline and brackish industrial lagoons and canals

**J5.12** Saltworks

**J5.2** Highly artificial saline and brackish running waters

**J5.3** Highly artificial non-saline standing waters

**J5.31** Ponds and lakes with completely man-made substrate

**J5.4** Highly artificial non-saline running waters

**J5.41** Non-saline water channels with completely man-made substrate

**J5.412.ES** Canales navegables

**J5.413.ES** Acequias y canales de riego

**J5.6.ES** Paseos marítimos y playas de intenso uso turístico

## J6 Waste deposits

**J6.3** Non-agricultural organic waste

**J6.31** Sewage works and sludge beds

**J6.5** Industrial waste

# X Habitat complexes

## X05 Snow patches

## X07 Intensively-farmed crops interspersed with strips of semi-natural vegetation

## X10 Mosaic landscapes with a woodland element (bocages)

## X11 Large parks

## X22 Small city centre non-domestic gardens

## X34 Anchihaline caves