ANNEX 1

Index numbers and names of all EUNIS Habitats 2004

A Marine habitats

A1 Littoral rock and other hard substrata

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A3 Infralittoral rock and other hard substrata

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A3.114 Sparse *Laminaria hyperborea* and dense *Paracentrotus lividus* on exposed infralittoral limestone
A3.115 *Laminaria hyperborea* with dense foliose red seaweeds on exposed infralittoral rock
A3.1151 *Laminaria hyperborea* forest with dense foliose red seaweeds on exposed upper infralittoral rock
A3.1152 *Laminaria hyperborea* park with dense foliose red seaweeds on exposed lower infralittoral rock
A3.1153 Mixed *Laminaria hyperborea* and *Laminaria ochroleuca* forest on exposed infralittoral rock
A3.116 Foliose red seaweeds on exposed lower infralittoral rock
A3.1161 Foliose red seaweeds with dense *Dictyota dichotoma* and/or *Dictyopteris membranacea* on exposed lower infralittoral rock
A3.117 *Laminaria hyperborea* and red seaweeds on exposed vertical rock
A3.118 Turf of articulated *Corallinaceae* on exposed to sheltered infralittoral bedrock and boulders
A3.12 Sediment-affected or disturbed kelp and seaweed communities
A3.121 *Saccorhiza polyschides* and other opportunistic kelps on disturbed upper infralittoral rock
A3.122 *Laminaria saccharina* and/or *Saccorhiza polyschides* on exposed infralittoral rock
A3.123 *Laminaria saccharina*, *Chorda filum* and dense red seaweeds on shallow unstable infralittoral boulders and cobbles
A3.124 Dense *Desmarestia* spp. with filamentous red seaweeds on exposed infralittoral cobbles, pebbles and bedrock
A3.125 Mixed kelps with scour-tolerant and opportunistic foliose red seaweeds on scoured or sand-covered infralittoral rock
A3.126 *Halidrys siliquosa* and mixed kelps on tide-swept infralittoral rock with coarse sediment
A3.127 *Polyides rotundus*, *Ahnfeltia plicata* and *Chondrus crispus* on sand-covered infralittoral rock
A3.13 Mediterranean communities of infralittoral algae very exposed to wave action
A3.131 Overgrazing facies with incrustant algaes and sea urchins
A3.132 Association with *Cystoseira amentacea* (var. *amentacea*, var. *stricta*, var. *spicata*)
A3.133 Facies with *Vermetus* spp.

A3.134 Facies with *Mytilus galloprovincialis*
A3.135 Association with *Corallina elongata* and *Herposiphonia secunda*
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A3.14 Encrusting algal communities
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A3.21 Kelp and red seaweeds (moderate energy infralittoral rock)
A3.211 *Laminaria digitata* on moderately exposed sublittoral fringe rock
A3.2111 *Laminaria digitata* on moderately exposed sublittoral fringe bedrock
A3.2112 *Laminaria digitata* and under-boulder fauna on sublittoral fringe boulders
A3.2113 *Laminaria digitata* and piddocks on sublittoral fringe soft rock
A3.212 *Laminaria hyperborea* on tide-swept, infralittoral rock
A3.2121 *Laminaria hyperborea* forest, foliose red seaweeds and a diverse fauna on tide-swept upper infralittoral rock
A3.2122 *Laminaria hyperborea* park with hydroids, bryozoans and sponges on tide-swept lower infralittoral rock
A3.213 *Laminaria hyperborea* on tide-swept infralittoral mixed substrata
A3.2131 *Laminaria hyperborea* forest and foliose red seaweeds on tide-swept upper infralittoral mixed substrata
A3.2132 *Laminaria hyperborea* park and foliose red seaweeds on tide-swept lower infralittoral mixed substrata
A3.214 *Laminaria hyperborea* and foliose red seaweeds on moderately exposed infralittoral rock
A3.2141 *Laminaria hyperborea* forest and foliose red seaweeds on moderately exposed upper infralittoral rock
A3.2142 *Laminaria hyperborea* park and foliose red seaweeds on moderately exposed lower infralittoral rock
A3.2143 Grazed *Laminaria hyperborea* forest with coralline crusts on upper infralittoral rock
A3.2144 Grazed *Laminaria hyperborea* park with coralline crusts on lower infralittoral rock
A3.215 *Sabellaria spinulosa* with kelp and red seaweeds on sand-influenced infralittoral rock
A3.216 Dense foliose red seaweeds on silty moderately exposed infralittoral rock
A3.217 *Laminaria hyperborea* on moderately exposed vertical rock
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A3.22 Kelp and seaweed communities in tide-swept sheltered conditions
A3.221 *Laminaria digitata*, ascidians and bryozoans on tide-swept sublittoral fringe rock
A3.222 Mixed kelp with foliose red seaweeds, sponges and ascidians on sheltered tide-swept infralittoral rock
A3.223 Mixed kelp and red seaweeds on infralittoral boulders, cobbles and gravel in tidal rapids
A3.224 *Laminaria saccharina* with foliose red seaweeds and ascidians on sheltered tide-swept infralittoral rock
A3.225 Filamentous red seaweeds, sponges and *Balanus crenatus* on tide-swept variable-salinity infralittoral rock
A3.23 Mediterranean communities of infralittoral algae moderately exposed to wave action
A3.231 Association with *Codium vermilara* and *Rhodymenia ardissonei*
A3.232 Association with *Dasycladus vermicularis*
A3.233 Association with *Alsidium helmenthochorton*
A3.234 Association with *Cystoseira tamariscifolia* and *Saccorhiza polyschides*
A3.235 Association with *Gelidium spinosum v. hystrix*
A3.236 Association with *Lobophora variegata*
A3.237 Association with *Ceramium rubrum*
A3.238 Facies with *Cladocora caespitosa*
A3.239 Association with *Cystoseira brachycarpa*
A3.23A Association with *Cystoseira crinita*
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A3.23D Association with *Cystoseira spinosa*
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A3.23F Association with *Dictyopteris polypodioides*
A3.23G Association with *Calpomenia sinuosa*

A3.23H Association with *Rhodymenia ardissonei* and *Rhodophyllis divaricata*
A3.23I Facies with *Astroides calycularis*
A3.23J Association with *Flabellia petiolata* and *Peyssonnelia squamaria*
A3.23K Association with *Halymenia floresia* and *Halarachnion ligatatum*
A3.23L Association with *Peyssonnelia rubra* and *Peyssonnelia* spp.
A3.24 Faunal communities on moderate energy infralittoral rock
A3.241 *Halopteris filicina* with coralline crusts on moderately exposed infralittoral rock
A3.3 Atlantic and Mediterranean low energy infralittoral rock
A3.31 Silted kelp on low energy infralittoral rock with full salinity
A3.311 Mixed *Laminaria hyperborea* and *Laminaria ochroleuca* forest on moderately exposed or sheltered infralittoral rock
A3.312 Mixed *Laminaria hyperborea* and *Laminaria saccharina* on sheltered infralittoral rock
A3.3121 Mixed *Laminaria hyperborea* and *Laminaria saccharina* forest on sheltered upper infralittoral rock
A3.3122 Mixed *Laminaria hyperborea* and *Laminaria saccharina* park on sheltered lower infralittoral rock
A3.3123 Grazed, mixed *Laminaria hyperborea* and *Laminaria saccharina* on sheltered infralittoral rock
A3.313 *Laminaria saccharina* on very sheltered infralittoral rock
A3.3131 *Laminaria saccharina* and *Laminaria digitata* on sheltered sublittoral fringe rock
A3.3132 *Laminaria saccharina* forest on very sheltered upper infralittoral rock
A3.3133 *Laminaria saccharina* park on very sheltered lower infralittoral rock
A3.3134 Grazed *Laminaria saccharina* with *Echinus*, brittlestars and coralline crusts on sheltered infralittoral rock
A3.314 Silted cape-form *Laminaria hyperborea* on very sheltered infralittoral rock
A3.315 *Sargassum muticum* on shallow slightly tide-swept infralittoral mixed substrata
A3.32 Kelp in variable salinity on low energy infralittoral rock
A3.321 *Codium* spp. with red seaweeds and sparse *Laminaria saccharina* on shallow, heavily-silted, very sheltered infralittoral rock
A3.322 *Laminaria saccharina* and *Psammechinus miliaris* on variable salinity grazed infralittoral rock
A3.323 *Laminaria saccharina* with *Phyllophora* spp. and filamentous green seaweeds on variable or reduced salinity infralittoral rock
A3.33 Mediterranean submerged fucoids, green or red seaweeds on full salinity infralittoral rock
A3.331 Association with *Stypocaulon scoparium* (=*Halopteris scoparia*)
A3.332 Association with *Trichosolen myura* and *Liagora farinosa*
A3.333 Association with *Cystoseira compressa*
A3.334 Association with *Pterocladiella capillacea* and *Ulva laetevirens*
A3.335 Facies with large Hydrozoa
A3.336 Association with *Pterothamnion crispum* and *Compsothamnion thuyoides*
A3.34 Submerged fucoids, green or red seaweeds (low salinity infralittoral rock)
A3.341 Mixed fucoids, *Chorda filum* and green seaweeds on reduced salinity infralittoral rock
A3.342 *Ascophyllum nodosum* and epiphytic sponges and ascidians on variable salinity infralittoral rock
A3.343 *Polyides rotundus* and/or *Furcellaria lumbricalis* on reduced salinity infralittoral rock
A3.344 *Fucus ceranoides* and *Enteromorpha* spp. on low salinity infralittoral rock
A3.35 Faunal communities on low energy infralittoral rock
A3.351 *Codium elisabethae*, *Halopteris filicina* and coralline crusts on sheltered infralittoral bedrock
A3.36 Faunal communities on variable or reduced salinity infralittoral rock
A3.361 *Mytilus edulis* beds on reduced salinity infralittoral rock
A3.362 *Cordylophora caspia* and *Electra crustulenta* on reduced salinity infralittoral rock
A3.363 *Hartlaubella gelatinosa* and *Conopeum reticulum* on low salinity infralittoral mixed substrata
A3.4 Baltic exposed infralittoral rock
A3.5 Baltic moderately exposed infralittoral rock
A3.6 Baltic sheltered infralittoral rock
A3.7 Features of infralittoral rock
A3.71 Robust faunal cushions and crusts in surge gullies and caves
A3.711 Foliose seaweeds and coralline crusts in surge gully entrances

A3.712 Anemones, including *Corynactis viridis*, crustose sponges and colonial ascidians on very exposed or wave surged vertical infralittoral rock
A3.713 Crustose sponges and colonial ascidians with *Dendrodoa grossularia* or barnacles on wave-surged infralittoral rock
A3.714 *Dendrodoa grossularia* and *Clathrina coriacea* on wave-surged vertical infralittoral rock
A3.715 Crustose sponges on extremely wave-surged infralittoral cave or gully walls
A3.716 Coralline crusts in surge gullies and scoured infralittoral rock
A3.7161 *Balanus crenatus* and/or *Pomatoceros triqueter* with spirorbid worms and coralline crusts on severely scoured vertical infralittoral rock
A3.7162 Coralline crusts and crustaceans on mobile boulders or cobbles in surge gullies
A3.72 Infralittoral fouling seaweed communities
A3.73 Vents and seeps in infralittoral rock
A3.731 Freshwater seeps in infralittoral rock
A3.732 Oil seeps in infralittoral rock
A3.733 Vents in infralittoral rock

A4 Circalittoral rock and other hard substrata

A4.1 Atlantic and Mediterranean high energy circalittoral rock
A4.11 Very tide-swept faunal communities on circalittoral rock
A4.111 *Balanus crenatus* and *Tubularia indivisa* on extremely tide-swept circalittoral rock
A4.112 *Tubularia indivisa* on tide-swept circalittoral rock
A4.1121 *Tubularia indivisa* and cushion sponges on tide-swept turbid circalittoral bedrock
A4.1122 *Alcyonium digitatum* with dense *Tubularia indivisa* and anemones on strongly tide-swept circalittoral rock
A4.12 Sponge communities on deep circalittoral rock
A4.121 *Phakellia ventilabrum* and axinellid sponges on deep, wave-exposed circalittoral rock
A4.13 Mixed faunal turf communities on circalittoral rock
A4.131 Bryozoan turf and erect sponges on tide-swept circalittoral rock
A4.1311 *Eunicella verrucosa* and *Pentapora foliacea* on wave-exposed circalittoral rock
A4.1312 Mixed turf of bryozoans and erect sponges with *Dysidia fragilis* and *Actinothoe sphyrodeta* on tide-swept wave-exposed circalittoral rock
A4.1313 Mixed turf of bryozoans and erect sponges with *Sagartia elegans* on tide-swept ciraclittoral rock
A4.132 *Corynactis viridis* and a mixed turf of crisiids, *Bugula*, *Scrupocellaria*, and *Cellaria* on moderately tide-swept exposed circalittoral rock
A4.133 Mixed turf of hydroids and large ascidians with *Swiftia pallida* and *Caryophyllia smithii* on weakly tide-swept circalittoral rock
A4.134 *Flustra foliacea* and colonial ascidians on tide-swept moderately wave-exposed circalittoral rock
A4.1341 *Polyclinum aurantium* and *Flustra foliacea* on sand-scoured tide-swept moderately wave-exposed circalittoral rock
A4.1342 *Flustra foliacea*, small solitary and colonial ascidians on tide-swept circalittoral bedrock or boulders
A4.1343 *Flustra foliacea* and colonial ascidians on tide-swept exposed circalittoral mixed substrata
A4.135 Sparse sponges, *Nemertesia* spp., and *Alcyonidium diaphanum* on circalittoral mixed substrata
A4.136 *Suberites* spp. with a mixed turf of crisiids and *Bugula* spp. on heavily silted moderately wave-exposed shallow circalittoral rock
A4.137 *Flustra foliacea* and *Haliclona oculata* with a rich faunal turf on tide-swept circalittoral mixed substrata
A4.138 *Molgula manhattensis* with a hydroid and bryozoan turf on tide-swept moderately wave-exposed circalittoral rock
A4.139 Sponges and anemones on vertical circalittoral bedrock
A4.2 Atlantic and Mediterranean moderate energy circalittoral rock
A4.21 Echinoderms and crustose communities on circalittoral rock
A4.211 *Caryophyllia smithii* and *Swiftia pallida* on circalittoral rock
A4.2111 *Caryophyllia smithii*, *Swiftia pallida* and *Alcyonium glomeratum* on wave-sheltered circalittoral rock

A4.2112 *Caryophyllia smithii*, *Swiftia pallida* and large solitary ascidians on exposed or moderately exposed circalittoral rock
A4.212 *Caryophyllia smithii*, sponges and crustose communities on wave-exposed circalittoral rock
A4.2121 Brittlestars overlying coralline crusts, *Parasmittina trispinosa* and *Caryophyllia smithii* on wave-exposed circalittoral rock
A4.2122 *Caryophyllia smithii* and sponges with *Pentapora foliacea*, *Porella compressa* and crustose communities on wave-exposed circalittoral rock
A4.213 *Urticina felina* and sand-tolerant fauna on sand-scoured or covered circalittoral rock
A4.214 Faunal and algal crusts on exposed to moderately wave-exposed circalittoral rock
A4.2141 *Flustra foliacea* on slightly scoured silty circalittoral rock
A4.2142 *Alcyonium digitatum*, *Pomatoceros triqueter*, algal and bryozoan crusts on wave-exposed circalittoral rock
A4.2143 *Alcyonium digitatum* with *Securiflustra securifrons* on tide-swept moderately wave-exposed circalittoral rock
A4.2144 Brittlestars on faunal and algal encrusted exposed to moderately wave-exposed circalittoral rock
A4.2145 Faunal and algal crusts with *Pomatoceros triqueter* and sparse *Alcyonium digitatum* on exposed to moderately wave-exposed circalittoral rock
A4.2146 *Caryophyllia smithii* with faunal and algal crusts on moderately wave-exposed circalittoral rock
A4.215 *Alcyonium digitatum* and faunal crust communities on vertical circalittoral bedrock
A4.22 *Sabellaria* reefs on circalittoral rock
A4.221 *Sabellaria spinulosa* encrusted circalittoral rock
A4.2211 *Sabellaria spinulosa* with a bryozoan turf and barnacles on silty turbid circalittoral rock
A4.2212 *Sabellaria spinulosa*, didemnid and small ascidians on tide-swept moderately wave-exposed circalittoral rock
A4.23 Communities on soft circalittoral rock
A4.231 Piddocks with a sparse associated fauna in sublittoral very soft chalk or clay
A4.232 *Polydora* sp. tubes on moderately exposed sublittoral soft rock
A4.233 *Hiatella*-bored vertical sublittoral limestone rock
A4.24 Mussel beds on circalittoral rock
A4.241 *Mytilus edulis* beds with hydroids and ascidians on tide-swept exposed to moderately wave-exposed circalittoral rock
A4.242 *Musculus discors* beds on moderately exposed circalittoral rock
A4.25 Circalittoral faunal communities in variable salinity
A4.251 Cushion sponges and hydroids on turbid tide-swept sheltered circalittoral rock
A4.2511 Cushion sponges, hydroids and ascidians on turbid tide-swept sheltered circalittoral rock
A4.2512 Cushion sponges and hydroids on turbid tide-swept variable salinity sheltered circalittoral rock
A4.252 *Halichondria bowerbanki*, *Eudendrium arbusculum* and *Eucratea loricata* on reduced salinity tide-swept circalittoral mixed substrata
A4.26 Mediterranean coralligenous communities moderately exposed to hydrodynamic action
A4.261 Association with *Cystoseira zosteroides*
A4.262 Association with *Cystoseira usneoides*
A4.263 Association with *Cystoseira dubia*
A4.264 Association with *Cystoseira corniculata*
A4.265 Association with *Sargassum* spp.
A4.266 Association with *Mesophyllum lichenoides*
A4.267 Algal bioconcretion with *Lithophyllum frondosum* and *Halimeda tuna*
A4.268 Association with *Laminaria ochroleuca*
A4.269 Facies with *Eunicella cavolinii*
A4.26A Facies with *Eunicella singularis*
A4.26B Facies with *Paramuricea clavata*
A4.26C Facies with *Parazoanthus axinellae*
A4.26D Coralligenous platforms
A4.27 Faunal communities on deep moderate energy circalittoral rock
A4.3 Atlantic and Mediterranean low energy circalittoral rock

A4.31 Brachiopod and ascidian communities on circalittoral rock
A4.311 Solitary ascidians, including *Ascidia mentula* and *Ciona intestinalis*, on wave-sheltered circalittoral rock
A4.3111 Solitary ascidians, including *Ascidia mentula* and *Ciona intestinalis*, with *Antedon* spp. on wave-sheltered circalittoral rock
A4.3112 Dense brittlestars with sparse *Ascidia mentula* and *Ciona intestinali*s on sheltered circalittoral mixed substrata
A4.312 Large solitary ascidians and erect sponges on wave-sheltered circalittoral rock
A4.313 *Antedon* spp., solitary ascidians and fine hydroids on sheltered circalittoral rock
A4.314 *Neocrania anomala* and *Protanthea simplex* on sheltered circalittoral rock
A4.3141 *Neocrania anomala* and *Protanthea simplex* on very wave-sheltered circalittoral rock
A4.3142 *Neocrania anomala*, *Dendrodoa grossularia* and *Sarcodictyon roseum* on variable salinity circalittoral rock
A4.32 Mediterranean coralligenous communities sheltered from hydrodynamic action
A4.321 Association with *Rodriguezella strafforelli*
A4.322 Facies with *Lophogorgia sarmentosa*
A4.33 Faunal communities on deep low energy circalittoral rock
A4.4 Baltic exposed circalittoral rock
A4.5 Baltic moderately exposed circalittoral rock
A4.6 Baltic sheltered circalittoral rock
A4.7 Features of circalittoral rock
A4.71 Communities of circalittoral caves and overhangs
A4.711 Sponges, cup corals and anthozoans on shaded or overhanging circalittoral rock
A4.712 Caves and overhangs with *Parazoanthus axinellae*
A4.713 Caves and overhangs with *Corallium rubrum*
A4.714 Caves and overhangs with *Leptopsammia pruvoti*
A4.715 Caves and ducts in total darkness (including caves without light or water movement at upper levels)
A4.72 Circalittoral fouling faunal communities
A4.721 *Alcyonium digitatum* and *Metridium senile* on moderately wave-exposed circalittoral steel wrecks
A4.722 *Ascidiella aspersa* on circalittoral artificial substrata
A4.73 Vents and seeps in circalittoral rock
A4.731 Freshwater seeps in circalittoral rock
A4.732 Oil seeps in circalittoral rock
A4.733 Vents in circalittoral rock

A5 Sublittoral sediment

A5.1 Sublittoral coarse sediment
A5.11 Infralittoral coarse sediment in reduced salinity
A5.111 Baltic level gravel bottoms of the infralittoral photic zone with little or no macrophyte vegetation
A5.112 Baltic gravel banks of the infralittoral photic zone
A5.113 Baltic shell gravel bottoms in the infralittoral photic zone
A5.12 Infralittoral coarse sediment
A5.121 Sparse fauna on highly mobile sublittoral shingle (cobbles and pebbles)
A5.122 *Halcampa chrysanthellum* and *Edwardsia timida* on sublittoral clean stone gravel
A5.123 *Moerella* spp. with venerid bivalves in infralittoral gravelly sand
A5.124 *Hesionura elongata* and *Microphthalmus similis* with other interstitial polychaetes in infralittoral mobile coarse sand
A5.125 *Glycera lapidum* in impoverished infralittoral mobile gravel and sand
A5.126 Cumaceans and *Chaetozone setosa* in infralittoral gravelly sand
A5.127 Dense *Lanice conchilega* and other polychaetes in tide-swept infralittoral sand and mixed gravelly sand
A5.128 Association with rhodolithes in coarse sands and fine gravels mixed by waves
A5.129 Facies with *Gouania wildenowi*
A5.12A Greenland cockle *Serripes* in shallow coarse sand (influenced by warm low-salinity melt water) of the Arctic
A5.13 Circalittoral coarse sediment

A5.131 *Pomatoceros triqueter* with barnacles and bryozoan crusts on unstable circalittoral cobbles and pebbles
A5.132 *Mediomastus fragilis*, *Lumbrineris* spp. and venerid bivalves in circalittoral coarse sand or gravel
A5.133 *Protodorvillea kefersteini* and other polychaetes in impoverished circalittoral mixed gravelly sand
A5.134 *Neopentadactyla mixta* in circalittoral shell gravel or coarse sand
A5.135 *Branchiostoma lanceolatum* in circalittoral coarse sand with shell gravel
A5.136 Scallops on shell gravel and sand with some sand scour
A5.14 Deep circalittoral coarse sediment
A5.141 *Glycera lapidum*, *Thyasira* spp. and *Amythasides macroglossus* in offshore gravelly sand
A5.142 *Hesionura elongata* and *Protodorvillea kefersteini* in offshore coarse sand
A5.143 Baltic gravel bottoms of the aphotic zone
A5.144 Baltic shell gravel bottoms of the aphotic zone
A5.2 Sublittoral sand
A5.21 Sublittoral sand in low or reduced salinity
A5.211 Baltic level sandy bottoms of the infralittoral photic zone with little or no macrophyte vegetation
A5.212 Baltic sand bars of the infralittoral photic zone
A5.213 Baltic sand banks of the infralittoral photic zone
A5.214 *Macoma balthica* in brackish environment (seasonally ice-covered)
A5.22 Sublittoral sand in variable salinity (estuaries)
A5.221 Infralittoral mobile sand in variable salinity (estuaries)
A5.222 *Nephtys cirrosa* and *Macoma balthica* in variable salinity infralittoral mobile sand
A5.223 *Neomysis integer* and *Gammarus* spp. in fluctuating low salinity infralittoral mobile sand
A5.23 Infralittoral fine sand
A5.231 Infralittoral mobile clean sand with sparse fauna
A5.232 *Sertularia cupressina* and *Hydrallmania falcata* on tide-swept sublittoral sand with cobbles or pebbles
A5.233 *Nephtys cirrosa* and *Bathyporeia* spp. in infralittoral sand
A5.234 Semi-permanent tube-building amphipods and polychaetes in sublittoral sand
A5.235 Mediterranean communities of fine sands in very shallow waters
A5.2351 Facies with *Lentidium mediterraneum*
A5.236 Mediterranean communities of well sorted fine sands
A5.24 Infralittoral muddy sand
A5.241 *Echinocardium cordatum* and *Ensis* spp. in lower shore and shallow sublittoral slightly muddy fine sand
A5.242 *Fabulina fabula* and *Magelona mirabilis* with venerid bivalves and amphipods in infralittoral compacted fine muddy sand
A5.243 *Arenicola marina* in infralittoral fine sand or muddy sand
A5.244 *Spisula subtruncata* and *Nephtys hombergii* in shallow muddy sand
A5.245 *Turritella* in muddy sands
A5.246 *Ervillia castanea* beds in infralittoral sand
A5.25 Circalittoral fine sand
A5.251 *Echinocyamus pusillus*, *Ophelia borealis* and *Abra prismatica* in circalittoral fine sand
A5.252 *Abra prismatica*, *Bathyporeia elegans* and polychaetes in circalittoral fine sand
A5.253 Medium to very fine sand, 100-120 m, with polychaetes *Spiophanes kroyeri*, *Amphipectene auricoma*, *Myriochele* sp., *Aricidea wassi* and amphipods *Harpinia antennaria*
A5.26 Circalittoral muddy sand
A5.261 *Abra alba* and *Nucula nitidosa* in circalittoral muddy sand or slightly mixed sediment
A5.262 *Amphiura brachiata* with *Astropecten irregularis* and other echinoderms in circalittoral muddy sand
A5.27 Deep circalittoral sand
A5.271 Maldanid polychaetes and *Eudorellopsis deformis* in deep circalittoral sand or muddy sand
A5.272 *Owenia fusiformis* and *Amphiura filiformis* in deep circalittoral sand or muddy sand
A5.273 Baltic sandy bottoms of the aphotic zone
A5.28 Mediterranean communities of superficial muddy sands in sheltered waters
A5.281 Facies with *Callianassa tyrrhena* and *Kellia corbuloides*

A5.282 Facies with fresh water resurgences with *Cerastoderma glaucum* and *Cyathura carinata*
A5.283 Facies with *Loripes lacteus*, *Tapes* spp.
A5.284 Association with *Caulerpa prolifera* on superficial muddy sands in sheltered waters
A5.285 Facies of hydrothermal oozes with *Cyclope neritea* and nematodes
A5.3 Sublittoral mud
A5.31 Sublittoral mud in low or reduced salinity (lagoons)
A5.311 Baltic brackish water sublittoral muddy biocenoses influenced by varying salinity
A5.3111 Baltic muds of the infralittoral photic zone with little or no macrophyte vegetation
A5.3112 Boreal Baltic narrow inlets with soft mud substrate
A5.32 Sublittoral mud in variable salinity (estuaries)
A5.321 *Polydora ciliata* and *Corophium volutator* in variable salinity infralittoral firm mud or clay
A5.322 *Aphelochaeta marioni* and *Tubificoides* spp. in variable salinity infralittoral mud
A5.323 *Nephtys hombergii* and *Tubificoides* spp. in variable salinity infralittoral soft mud
A5.324 Infralittoral fluid mobile mud
A5.325 *Capitella capitata* and *Tubificoides* spp. in reduced salinity infralittoral muddy sediment
A5.326 Oligochaetes in variable or reduced salinity infralittoral muddy sediment
A5.327 *Limnodrilus hoffmeisteri*, *Tubifex tubifex* and *Gammarus* spp. in low salinity infralittoral muddy sediment
A5.33 Infralittoral sandy mud
A5.331 *Nephtys hombergii* and *Macoma balthica* in infralittoral sandy mud
A5.332 *Sagartiogeton undatus* and *Ascidiella aspersa* on infralittoral sandy mud
A5.333 *Mysella bidentata* and *Abra* spp. in infralittoral sandy mud
A5.334 *Melinna palmata* with *Magelona* spp. and *Thyasira* spp. in infralittoral sandy mud
A5.335 *Ampelisca* spp., *Photis longicaudata* and other tube-building amphipods and polychaetes in infralittoral sandy mud
A5.336 *Capitella capitata* in enriched sublittoral muddy sediments
A5.34 Infralittoral fine mud
A5.341 *Cerastoderma edule* with *Abra nitida* in infralittoral mud
A5.342 *Arenicola marina* in infralittoral mud
A5.343 *Philine aperta* and *Virgularia mirabilis* in soft stable infralittoral mud
A5.344 *Ocnus planci* aggregations on sheltered sublittoral muddy sediment
A5.345 *Astarte crenata* beneath high salinity cold polar water
A5.346 Oligochaetes in mobile mud
A5.35 Circalittoral sandy mud
A5.351 *Amphiura filiformis*, *Mysella bidentata* and *Abra nitida* in circalittoral sandy mud
A5.352 *Thyasira* spp. and *Nuculoma tenuis* in circalittoral sandy mud
A5.353 *Amphiura filiformis* and *Nuculoma tenuis* in circalittoral and offshore muddy sand
A5.354 *Virgularia mirabilis* and *Ophiura* spp. with *Pecten maximus* on circalittoral sandy or shelly mud
A5.3541 *Virgularia mirabilis* and *Ophiura* spp. with *Pecten maximus*, hydroids and ascidians on circalittoral sandy or shelly mud with shells or stones
A5.355 *Lagis koreni* and *Phaxas pellucidus* in circalittoral sandy mud
A5.36 Circalittoral fine mud
A5.361 Seapens and burrowing megafauna in circalittoral fine mud
A5.3611 Seapens, including *Funiculina quadrangularis*, and burrowing megafauna in undisturbed circalittoral fine mud
A5.362 Burrowing megafauna and *Maxmuelleria lankesteri* in circalittoral mud
A5.363 *Brissopsis lyrifera* and *Amphiura chiajei* in circalittoral mud
A5.364 Silty sediments > 140 m with polychaetes *Lumbrineris fragilis*, *Levinsenia gracilis* and amphipods *Eriopisa elongata*
A5.365 *Spiochaetopterus* beneath high salinity Atlantic water
A5.366 *Macoma calcarea* in deep-water soft clayey mud
A5.37 Deep circalittoral mud
A5.371 *Ampharete falcata* turf with *Parvicardium ovale* on cohesive muddy sediment near margins of deep stratified seas
A5.372 Foraminiferans and *Thyasira* spp. in deep circalittoral soft mud
A5.373 *Styela gelatinosa*, *Pseudamussium septemradiatum* and solitary ascidians on sheltered deep circalittoral muddy sediment

A5.374 *Capitella capitata* and *Thyasira* spp. in organically-enriched offshore circalittoral mud and sandy mud
A5.3741 *Capitella capitata*, *Thyasira* spp. and *Ophryotrocha dubia* inorganically-enriched offshore circalittoral mud or sandy mud
A5.375 *Levinsenia gracilis* and *Heteromastus filifirmis* in offshore circalittoral mud and sandy mud
A5.376 *Paramphinome jeffreysii*, *Thyasira* spp. and *Amphiura filiformis* in offshore circalittoral sandy mud
A5.377 *Myrtea spinifera* and polychaetes in offshore circalittoral sandy mud
A5.378 Baltic muddy bottoms of the aphotic zone
A5.38 Mediterranean communities of muddy detritic bottoms
A5.381 Facies with *Ophiothrix quinquemaculata*
A5.39 Mediterranean communities of coastal terrigenous muds
A5.391 Facies of soft muds with *Turritella tricarinata communis*
A5.392 Facies of sticky muds with *Virgularia mirabilis* and *Pennatula phosphorea*
A5.393 Facies of sticky muds with *Alcyonium palmatum* and *Stichopus regalis*
A5.4 Sublittoral mixed sediments
A5.41 Sublittoral mixed sediment in low or reduced salinity (lagoons)
A5.411 Baltic level mixed sediment bottoms of the infralittoral photic zone with little or no macrophyte vegetation
A5.42 Sublittoral mixed sediment in variable salinity (estuaries)
A5.421 *Aphelochaeta* spp. and *Polydora* spp. in variable salinity infralittoral mixed sediment
A5.422 *Crepidula fornicata* and *Mediomastus fragilis* in variable salinity infralittoral mixed sediment
A5.43 Infralittoral mixed sediments
A5.431 *Crepidula fornicata* with ascidians and anemones on infralittoral coarse mixed sediment
A5.432 *Sabella pavonina* with sponges and anemones on infralittoral mixed sediment
A5.433 *Venerupis senegalensis, Amphipholis squamata* and *Apseudes latreilli* in infralittoral mixed sediment
A5.434 *Limaria hians* beds in tide-swept sublittoral muddy mixed sediment
A5.435 *Ostrea edulis* beds on shallow sublittoral muddy mixed sediment
A5.44 Circalittoral mixed sediments
A5.441 *Cerianthus lloydii* and other burrowing anemones in circalittoral muddy mixed sediment
A5.4411 *Cerianthus lloydii* with *Nemertesia* spp. and other hydroids in circalittoral muddy mixed sediment
A5.442 Sparse *Modiolus modiolus*, dense *Cerianthus lloydii* and burrowing holothurians on sheltered circalittoral stones and mixed sediment
A5.443 *Mysella bidentata* and *Thyasira* spp. in circalittoral muddy mixed sediment
A5.444 *Flustra foliacea* and *Hydrallmania falcata* on tide-swept circalittoral mixed sediment
A5.445 *Ophiothrix fragilis* and/or *Ophiocomina nigra* brittlestar beds on sublittoral mixed sediment
A5.446 Sandy mixed sediment with *Alcyonidium diaphanum*
A5.45 Deep mixed sediments
A5.451 Polychaete-rich deep *Venus* community in offshore mixed sediments
A5.452 Baltic mixed sediment bottoms of the aphotic zone
A5.46 Mediterranean communities of coastal detritic bottoms
A5.461 Association with rhodolithes on coastal detritic bottoms
A5.462 Association with *Peyssonnelia rosa-marina*
A5.463 Association with *Arthrocladia villosa*
A5.464 Association with *Osmundaria volubilis*
A5.465 Association with *Kallymenia patens*
A5.466 Association with *Laminaria rodriguezii*
A5.467 Facies with *Ophiura texturata*
A5.468 Facies with Synascidies
A5.469 Facies with large Bryozoa
A5.47 Mediterranean communities of shelf-edge detritic bottoms
A5.471 Facies with *Neolampas rostellata*
A5.472 Facies with *Leptometra phalangium*
A5.5 Sublittoral macrophyte-dominated sediment
A5.51 Maerl beds

A5.511 *Phymatolithon calcareum* maerl beds in infralittoral clean gravel or coarse sand
A5.5111 *Phymatolithon calcareum* maerl beds with red seaweeds in shallow infralittoral clean gravel or coarse sand
A5.5112 *Phymatolithon calcareum* maerl beds with *Neopentadactyla mixta* and other echinoderms in deeper infralittoral clean gravel or coarse sand
A5.512 *Lithothamnion glaciale* maerl beds in tide-swept variable salinity infralittoral gravel
A5.513 *Lithothamnion corallioides* maerl beds on infralittoral muddy gravel
A5.514 *Lithophyllum fasciculatum* maerl beds on infralittoral mud
A5.515 Association with rhodolithes in coarse sands and fine gravels under the influence of bottom currents
A5.52 Kelp and seaweed communities on sublittoral sediment
A5.521 *Laminaria saccharina* and red seaweeds on infralittoral sediments
A5.5211 Red seaweeds and kelps on tide-swept mobile infralittoral cobbles and pebbles
A5.5212 *Laminaria saccharina* and robust red algae on infralittoral gravel and pebble
A5.5213 *Laminaria saccharina* and filamentous red algae on infralittoral sand
A5.5214 *Laminaria saccharina* with red and brown seaweeds on lower infralittoral muddy mixed sediment
A5.522 *Laminaria saccharina* and *Chorda filum* on sheltered upper infralittoral muddy sediment
A5.523 *Laminaria saccharina* with *Psammechinus miliaris* and/or *Modiolus modiolus* on variable salinity infralittoral sediment
A5.524 *Laminaria saccharina*, *Gracilaria gracilis* and brown seaweeds on full salinity infralittoral sediment
A5.525 *Laminaria saccharina* and *Gracilaria gracilis* with sponges and ascidians on variable salinity infralittoral sediment
A5.526 Mats of *Trailliella* on infralittoral muddy gravel
A5.527 Loose-lying mats of *Phyllophora crispa* on infralittoral muddy sediment
A5.528 Filamentous green seaweeds on low salinity infralittoral mixed sediment or rock
A5.529 Facies with *Ficopomatus enigmaticus*
A5.52A Association with *Gracilaria* spp.
A5.52B Association with *Chaetomorpha linum* and *Valonia aegagropila*
A5.52C Association with *Halopitys incurva*
A5.52D Association with *Ulva laetevirens* and *Enteromorpha linza*
A5.52E Association with *Cystoseira barbata*
A5.52F Association with *Lamprothamnium papulosum*
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A5.53 Sublittoral seagrass beds
A5.531 *Cymodocea* beds
A5.5311 Macaronesian *Cymodocea* beds
A5.5312 Lusitanian *Cymodocea* beds
A5.5313 Mediterranean *Cymodocea* beds
A5.53131 Association with *Cymodocea nodosa* on well sorted fine sands
A5.53132 Association with *Cymodocea nodosa* on superficial muddy sands in sheltered waters
A5.532 *Halophila* beds
A5.5321 Canary Island *Halophila* beds
A5.5322 Mediterranean *Halophila* beds
A5.533 *Zostera* beds in full salinity infralittoral sediments
A5.5331 *Zostera marina*/*angustifolia* beds on lower shore or infralittoral clean or muddy sand
A5.5332 Association with *Zostera noltii* in euryhaline and eurythermal environment
A5.5333 Association with *Zostera marina* in euryhaline and eurythermal environment
A5.5334 Association with *Zostera noltii* on superficial muddy sands in sheltered waters
A5.534 *Ruppia* and *Zannichellia* communities
A5.5341 Middle European *Ruppia* and *Zannichellia* communities
A5.5342 Tethyan marine *Ruppia* communities
A5.5343 *Ruppia maritima* in reduced salinity infralittoral muddy sand
A5.535 *Posidonia* beds
A5.5351 Ecomorphosis of striped *Posidonia oceanica* meadows
A5.5352 Ecomorphosis of "barrier-reef" *Posidonia oceanica* meadows
A5.5353 Facies of dead "mattes" of *Posidonia oceanica* without much epiflora
A5.5354 Association with *Caulerpa prolifera* on *Posidonia* beds

A5.54 Angiosperm communities in reduced salinity
A5.541 Vegetation of brackish waters dominated by *Phragmites australis*
A5.542 Association with *Potamogeton pectinatus*
A5.543 Vegetation of brackish waters dominated by *Ranunculus baudotii*
A5.544 Vegetation of brackish waters dominated by *Scirpus lacustris* or *Scirpus tabernaemontani*
A5.545 *Zostera* beds in reduced salinity infralittoral sediments
A5.6 Sublittoral biogenic reefs
A5.61 Sublittoral polychaete worm reefs on sediment
A5.611 *Sabellaria spinulosa* on stable circalittoral mixed sediment
A5.612 *Sabellaria alveolata* on variable salinity sublittoral mixed sediment
A5.613 *Serpula vermicularis* reefs on very sheltered circalittoral muddy sand
A5.62 Sublittoral mussel beds on sediment
A5.621 *Modiolus modiolus* beds with hydroids and red seaweeds on tide-swept circalittoral mixed substrata
A5.622 *Modiolus modiolus* beds on open coast circalittoral mixed sediment
A5.623 *Modiolus modiolus* beds with fine hydroids and large solitary ascidians on very sheltered circalittoral mixed substrata
A5.624 *Modiolus modiolus* beds with *Chlamys varia*, sponges, hydroids and bryozoans on slightly tide-swept very sheltered circalittoral mixed substrata
A5.625 *Mytilus edulis* beds on sublittoral sediment
A5.626 *Hiatella arctica* beds on silty clay with small pebbles and shells
A5.627 Baltic mussel beds in the infralittoral photic zone
A5.6271 Baltic mussel beds in the infralittoral photic zone with little or no macrophyte vegetation
A5.6272 Baltic mussel beds of the infralittoral photic zone dominated by macrophyte vegetation
A5.63 Circalittoral coral reefs
A5.631 Circalittoral *Lophelia pertusa* reefs
A5.7 Features of sublittoral sediments
A5.71 Seeps and vents in sublittoral sediments
A5.711 Bubbling reefs in the sublittoral euphotic zone
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A5.7112 Bubbling reefs in the sublittoral euphotic zone dominated by macrophyte vegetation
A5.712 Bubbling reefs in the aphotic zone
A5.713 Freshwater seeps in sublittoral sediments
A5.714 Methane seeps in sublittoral sediments
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A5.72 Organically-enriched or anoxic sublittoral habitats
A5.721 Periodically and permanently anoxic sublittoral muds
A5.7211 *Beggiatoa* spp. on anoxic sublittoral mud

A6 Deep-sea bed

A6.1 Deep-sea rock and artificial hard substrata
A6.11 Deep-sea bedrock
A6.12 Deep-sea artificial hard substrata
A6.13 Deep-sea manganese nodules
A6.14 Boulders on the deep-sea bed
A6.2 Deep-sea mixed substrata
A6.21 Deep-sea lag deposits
A6.22 Deep-sea biogenic gravels (shells, coral debris)
A6.23 Deep-sea calcareous pavements
A6.24 Communities of allochthonous material
A6.241 Communities of macrophyte debris
A6.3 Deep-sea sand
A6.31 Communities of bathyal detritic sands with *Grypheus vitreus*
A6.4 Deep-sea muddy sand
A6.5 Deep-sea mud
A6.51 Mediterranean communities of bathyal muds

A6.511 Facies of sandy muds with *Thenea muricata*
A6.512 Facies of fluid muds with *Brissopsis lyrifera*
A6.513 Facies of soft muds with *Funiculina quadrangularis* and *Apporhais seressianus*
A6.514 Facies of compact muds with *Isidella elongata*
A6.52 Communities of abyssal muds
A6.6 Deep-sea bioherms
A6.61 Communities of deep-sea corals
A6.611 Deep-sea *Lophelia pertusa* reefs
A6.62 Deep-sea sponge aggregations
A6.621 Facies with *Pheronema grayi*
A6.7 Raised features of the deep-sea bed
A6.71 Permanently submerged flanks of oceanic islands
A6.72 Seamounts, knolls and banks
A6.721 Summit communities of seamount, knoll or bank within euphotic zone
A6.722 Summit communities of seamount, knoll or bank within the mesopelagic zone, i.e. interacting with diurnally migrating plankton
A6.723 Deep summit communities of seamount, knoll or bank (i.e. below mesopelagic zone)
A6.724 Flanks of seamount, knoll or bank
A6.725 Base of seamount, knoll or bank
A6.7251 Moat around base of seamount, knoll or bank
A6.73 Oceanic ridges
A6.731 Communities of ridge flanks
A6.732 Communities of ridge axial trough (i.e. non-vent fauna)
A6.733 Oceanic ridge without hydrothermal effects
A6.74 Abyssal hills
A6.75 Carbonate mounds
A6.8 Deep-sea trenches and canyons, channels, slope failures and slumps on the continental slope
A6.81 Canyons, channels, slope failures and slumps on the continental slope
A6.811 Active downslope channels
A6.812 Inactive downslope channels
A6.813 Alongslope channels
A6.814 Turbidites and fans
A6.82 Deep-sea trenches
A6.9 Vents, seeps, hypoxic and anoxic habitats of the deep sea
A6.91 Deep-sea reducing habitats
A6.911 Seeps in the deep-sea bed
A6.9111 Cold seep benthic communities of hadal zone
A6.912 Gas hydrates in deep-sea
A6.913 Cetacean and other carcasses on the deep-sea bed
A6.92 Deep-sea bed influenced by hypoxic water column
A6.93 Isolated 'oceanic' features influenced by hypoxic water column
A6.94 Vents in the deep sea
A6.941 Active vent fields
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A7 Pelagic water column

A7.1 Neuston
A7.11 Temporary neuston layer
A7.12 Permanent neuston layer
A7.2 Completely mixed water column with reduced salinity
A7.21 Completely mixed water column with reduced salinity and short residence time
A7.211 Baltic outer unenclosed seasonally stratified coastal water
A7.22 Completely mixed water column with reduced salinity and medium residence time
A7.221 Baltic inner unenclosed seasonally stratified coastal water
A7.23 Completely mixed water column with reduced salinity and long residence time
A7.231 Water body of Baltic eutrophic coastal lakes
A7.232 Water body of Baltic mesotrophic coastal lakes
A7.233 Water body of Baltic eutrophic glo-lakes
A7.234 Water body of Baltic mesotrophic glo-lakes
A7.3 Completely mixed water column with full salinity

A7.31 Completely mixed water column with full salinity and short residence time
A7.32 Completely mixed water column with full salinity and medium residence time
A7.33 Completely mixed water column with full salinity and long residence time
A7.4 Partially mixed water column with reduced salinity and medium or long residence time
A7.41 Partially mixed water column with reduced salinity and medium residence time
A7.42 Partially mixed water column with reduced salinity and long residence time
A7.5 Unstratified water column with reduced salinity
A7.51 Euphotic (epipelagic) zone in unstratified reduced salinity water
A7.52 Mesopelagic zone in unstratified reduced salinity water
A7.53 Bathypelagic zone in unstratified reduced salinity water
A7.54 Abyssopelagic zone in unstratified reduced salinity water
A7.6 Vertically stratified water column with reduced salinity
A7.61 Water column with ephemeral thermal stratification and reduced salinity
A7.62 Water column with seasonal thermal stratification and reduced salinity
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A7.64 Water column with ephemeral halocline and reduced salinity
A7.65 Water column with seasonal halocline and reduced salinity
A7.66 Water column with permanent halocline and reduced salinity
A7.661 Baltic offshore deep water above the halocline
A7.662 Baltic offshore deep water below the halocline
A7.67 Water column with ephemeral oxygen stratification and reduced salinity
A7.68 Water column with seasonal oxygen stratification and reduced salinity
A7.69 Water column with permanent oxygen stratification and reduced salinity
A7.7 Fronts in reduced salinity water column
A7.71 Ephemeral fronts in reduced salinity water column
A7.72 Seasonal fronts in reduced salinity water column
A7.73 Persistent fronts in reduced salinity water column
A7.8 Unstratified water column with full salinity
A7.81 Euphotic (epipelagic) zone in unstratified full salinity water
A7.82 Mesopelagic zone in unstratified full salinity water
A7.83 Bathypelagic zone in unstratified full salinity water
A7.84 Abyssopelagic zone in unstratified full salinity water
A7.9 Vertically stratified water column with full salinity
A7.91 Water column with ephemeral thermal stratification and full salinity
A7.92 Water column with seasonal thermal stratification and full salinity
A7.93 Water column with permanent thermal stratification and full salinity
A7.94 Water column with ephemeral halocline and full salinity
A7.95 Water column with seasonal halocline and full salinity
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A7.97 Water column with ephemeral oxygen stratification and full salinity
A7.98 Water column with seasonal oxygen stratification and full salinity
A7.99 Water column with permanent oxygen stratification and full salinity
A7.991 Anoxic water column in water with permanent oxygen stratification and full salinity
A7.A Fronts in full salinity water column
A7.A1 Ephemeral fronts in full salinity water column
A7.A2 Seasonal fronts in full salinity water column
A7.A3 Persistent fronts in full salinity water column

A8 Ice-associated marine habitats

A8.1 Sea ice
A8.11 Seasonal pack-ice
A8.12 Permanent pack-ice
A8.13 Ice floes
A8.2 Freshwater ice
A8.21 Large tabular iceberg
A8.22 Medium iceberg
A8.23 Small iceberg
A8.24 Bergy bit
A8.25 Growler
A8.3 Brine channels

A8.31 Brine channels in first year ice
A8.32 Brine channels in multi-year ice
A8.4 Under-ice habitat
A8.41 Under-ice habitat in first-year ice
A8.42 Under-ice habitat in multi-year ice

B Coastal habitats

B1 Coastal dunes and sandy shores

B1.1 Sand beach driftlines
B1.11 Boreo-Arctic sand beach annual communities
B1.12 Middle European sand beach annual communities
B1.121 Baltic sand beach annual communities
B1.13 Tethyan sand beach driftline communities
B1.131 Western Tethyan sand beach annual communities
B1.132 Pontic sand beach annual communities
B1.133 Pontic sand beach perennial communities
B1.2 Sand beaches above the driftline
B1.21 Unvegetated sand beaches above the driftline
B1.211 Baltic unvegetated spits and bars above the driftline
B1.212 Baltic unvegetated sandy beaches above the driftline
B1.22 Biocenosis of supralittoral sands
B1.221 Facies of depressions with residual humidity
B1.222 Facies of quickly-drying wracks
B1.223 Facies of tree trunks which have been washed ashore
B1.224 Facies of phanerogams which have been washed ashore (upper part)
B1.23 Boreo-arctic sand beach perennial communities
B1.231 North Sea sand beach perennial communities
B1.232 Baltic sand beach perennial communities
B1.233 Boreo-Bothnian sand beach perennial communities
B1.234 Icelandic sand beach perennial communities
B1.235 Beach ridges consisting of algal or other plant material
B1.24 Sandy beach ridges with no or low vegetation
B1.25 Sandy beach ridges dominated by shrubs or trees
B1.3 Shifting coastal dunes
B1.31 Embryonic shifting dunes
B1.311 Atlantic embryonic dunes
B1.312 Western Tethyan embryonic dunes
B1.313 Pontic embryonic dunes
B1.314 Large migrating dunes with no or low vegetation
B1.32 White dunes
B1.321 Atlantic white dunes
B1.3211 Coastal dunes: white dunes (sensu strictu)
B1.3212 Coastal dunes: green dunes
B1.322 Western Tethyan white dunes
B1.323 Canario-Saharan white dunes
B1.324 Pontic white dunes
B1.33 Young boreo-arctic dunes
B1.4 Coastal stable dune grassland (grey dunes)
B1.41 Northern fixed grey dunes
B1.411 Crested-hairgrass dune communities
B1.412 Grey-hairgrass dune communities
B1.413 Mouse-ear dune communities
B1.42 Biscay fixed grey dunes
B1.43 Mediterraneo-Atlantic fixed grey dunes
B1.44 East Mediterranean fixed grey dunes
B1.45 Atlantic dune *Mesobromion* grassland
B1.46 Atlantic dune thermophile fringes
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
B1.4B Pontic fixed dunes
B1.4B1 Western Pontic fixed dunes
B1.4B11 Southwestern Pontic fixed dunes
B1.4B12 Northwestern Pontic fixed dunes
B1.4B2 Eastern Pontic fixed dunes
B1.4B3 Southern Pontic fixed dunes
B1.4C Boreo-arctic grey dunes
B1.5 Coastal dune heaths
B1.51 *Empetrum* brown dunes
B1.52 *Calluna vulgaris* brown dunes
B1.521 East Anglian ling coastal dune heaths
B1.522 French ling coastal dune heaths
B1.523 British bell heather coastal dune heaths
B1.524 French bell heather coastal dune heaths
B1.525 French Dorset heath coastal dune heaths
B1.526 Iberian green heather coastal dune heaths
B1.527 Iberian Dorset heath coastal dune heaths
B1.528 Northern ling coastal dune heaths
B1.6 Coastal dune scrub
B1.61 Coastal dune thickets
B1.611 *Hippophae rhamnoides* dune thickets
B1.612 Western nemoral mixed dune thickets
B1.62 *Salix arenaria* mats
B1.63 Dune *Juniperus* thickets
B1.631 Dune prickly juniper thickets
B1.632 Lycian juniper thickets
B1.633 Rufescent juniper thickets
B1.634 Common juniper dune thickets
B1.64 Dune sclerophyllous scrubs and thickets
B1.7 Coastal dune woods
B1.71 Coastal brown dunes covered with natural or almost natural coniferous forest, e.g. *Pinus silvestris*
B1.72 Coastal brown dunes covered with deciduous forest (*Fagus*, *Betula*, *Quercus*)
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
B1.9 Machair

B2 Coastal shingle

B2.1 Shingle beach driftlines
B2.11 Boreo-arctic gravel beach annual communities
B2.12 Atlantic and Baltic shingle beach drift lines
B2.13 Gravel beach communities of the mediterranean region
B2.14 Biocenosis of slowly drying wracks
B2.2 Unvegetated mobile shingle beaches above the driftline
B2.3 Upper shingle beaches with open vegetation
B2.31 Baltic *Crambe maritima* communities
B2.32 Channel *Crambe maritima* communities
B2.33 Atlantic *Crambe maritima* communities
B2.4 Fixed shingle beaches, with herbaceous vegetation
B2.41 Euro-Siberian gravel bank grasslands
B2.5 Shingle and gravel beaches with scrub
B2.51 Euro-Siberian gravel bank heaths

B2.6 Shingle and gravel beach woodland

B3 Rock cliffs, ledges and shores, including the supralittoral

B3.1 Supralittoral rock (lichen or splash zone)
- **B3.11** Lichens or small green algae on supralittoral and littoral fringe rock
  - **B3.111** Yellow and grey lichens on supralittoral rock
  - **B3.112** *Prasiola stipitata* on nitrate-enriched supralittoral or littoral fringe rock
  - **B3.113** *Verrucaria maura* on littoral fringe rock
    - **B3.1131** *Verrucaria maura* and sparse barnacles on exposed littoral fringe rock
    - **B3.1132** *Verrucaria maura* on very exposed to very sheltered upper littoral fringe rock
  - **B3.114** *Blidingia* spp. on vertical littoral fringe chalk
  - **B3.115** *Ulothrix flacca* and *Urospora* spp. on freshwater-influenced vertical littoral fringe soft rock
  - **B3.116** Association with *Entophysalis deusta* and *Verrucaria amphibia*
- **B3.12** Rock stacks and islets above high tide level in splash zone

B3.2 Unvegetated rock cliffs, ledges, shores and islets
- **B3.21** High Arctic sea-cliffs and rocky shores
- **B3.22** Atlantic low Arctic sea-cliffs and rocky shores
- **B3.23** Temperate Atlantic sea-cliffs and rocky shores
- **B3.24** Unvegetated Baltic rocky shores and cliffs
  - **B3.241** Baltic boulder beaches
  - **B3.242** Baltic unvegetated gently sloping limestone rocky shores
  - **B3.243** Baltic unvegetated gently sloping sandstone rocky shores
  - **B3.244** Baltic unvegetated gently sloping crystalline bedrock shores
  - **B3.245** Baltic unvegetated coastal limestone cliffs and caves
  - **B3.246** Baltic unvegetated coastal sandstone cliffs and caves
  - **B3.247** Baltic unvegetated coastal crystalline bedrock cliffs and caves
- **B3.25** Subtropical Atlantic sea-cliffs and rocky shores
- **B3.26** Mediterraneo-Pontic sea-cliffs and rocky shores
- **B3.27** Rock stacks and islets above splash zone

B3.3 Rock cliffs, ledges and shores, with angiosperms
- **B3.31** Atlantic sea-cliff communities
- **B3.32** Vegetated Baltic gently sloping rocky shores and cliffs
  - **B3.321** Baltic gently sloping limestone rocky shores with low vegetation
  - **B3.322** Baltic gently sloping limestone rocky shores dominated by shrubs or trees
  - **B3.323** Baltic gently sloping sandstone rocky shores with low vegetation
  - **B3.324** Baltic gently sloping sandstone rocky shores dominated by shrubs or trees
  - **B3.325** Baltic gently sloping crystalline bedrock shores with low vegetation
  - **B3.326** Baltic gently sloping crystalline bedrock shores dominated by shrubs or trees
  - **B3.327** Baltic coastal limestone cliffs and caves with low vegetation
  - **B3.328** Baltic coastal limestone cliffs and caves dominated by shrubs or trees
  - **B3.329** Baltic coastal sandstone cliffs and caves with low vegetation
  - **B3.32A** Baltic coastal sandstone cliffs and caves dominated by shrubs or trees
  - **B3.32B** Baltic coastal crystalline bedrock cliffs and caves with low vegetation
  - **B3.32C** Baltic coastal crystalline bedrock cliffs and caves dominated by shrubs or trees
- **B3.33** Tethyan sea-cliff communities
  - **B3.331** Western Tethyan sea-cliff communities
  - **B3.332** Pontic sea-cliff communities
    - **B3.3321** Western Pontic herbaceous sea-cliff communities
    - **B3.3322** Western Pontic sea-cliff *Ficus* thickets
    - **B3.3323** Western Pontic low cliff communities
    - **B3.3324** Eastern Pontic sea-cliff communities
    - **B3.3325** Southern Pontic sea-cliff communities
- **B3.34** Canary Island and Madeiran sea-cliff communities
- **B3.35** Azorean sea-cliff communities
- **B3.36** Coastal lagoon cliff communities
  - **B3.361** Pantellerian lagoon cliff communities
  - **B3.362** Pontic saline lagoon cliffs

B3.4 Soft sea-cliffs, often vegetated
- **B3.41** Baltic chalk and moraine cliffs

B3.411 Baltic unvegetated coastal chalk cliffs and caves
B3.412 Baltic coastal chalk cliffs and caves with low vegetation
B3.413 Baltic coastal chalk cliffs and caves dominated by shrubs or trees
B3.414 Baltic unvegetated coastal moraine cliffs and caves
B3.415 Baltic unvegetated coastal moraine cliffs and caves with low vegetation
B3.416 Baltic unvegetated coastal moraine cliffs and caves dominated by shrubs or trees

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
C1.223 Floating *Stratiotes aloides* rafts
C1.224 Floating *Utricularia australis* and *Utricularia vulgaris* colonies
C1.225 Floating *Salvinia natans* mats
C1.226 Floating *Aldrovanda vesiculosa* communities
C1.23 Rooted submerged vegetation of mesotrophic waterbodies
C1.231 Large pondweed beds
C1.232 Small pondweed communities
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
C1.24113 Transylvanian hot-spring lotus beds
C1.2412 Water chestnut carpets
C1.2413 Fringed waterlily carpets
C1.2414 Broad-leaved pondweed carpets
C1.2415 Amphibious bistort carpets
C1.2416 *Nelumbo nucifera* beds
C1.25 Charophyte submerged carpets in mesotrophic waterbodies
C1.26 Peatmoss and *Utricularia* communities of 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
C1.3413 *Hottonia palustris* beds in shallow water
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
C1.45 Peatmoss and *Utricularia* communities of dystrophic waterbodies

C1.46 Raised bog pools
C1.461 Bog eye (kolk)
C1.462 Lesser bog pools
C1.47 Lagg
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
C1.5111 Boreal, nemoral and arctic salt lakes
C1.5112 Mediterranean salt lakes
C1.5113 Ponto-Pannonic 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
C1.5212 Athalassic seagrass communities
C1.523 Brackish water floating vegetation
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
C1.66 Temporary inland saline and brackish waters
C1.67 Turlough and lake-bottom meadows
C1.68 Benthic communities of temporary waters
C1.69 Rooted floating vegetation of temporary waterbodies
C1.7 Permanent lake ice

C2 Surface running waters

C2.1 Springs, spring brooks and geysers
C2.11 Soft water springs
C2.111 Fennoscandian mineral-rich springs and springfens
C2.12 Hard water springs
C2.121 Petrifying springs with tufa or travertine formations
C2.13 Geysers
C2.14 Thermal springs
C2.141 Mediterranean thermal springs
C2.142 Macaronesian thermal springs
C2.143 Icelandic thermal springs
C2.144 Peri-Alpine thermal springs
C2.145 Peri-Caucasian hot springs
C2.15 Saline springs
C2.16 Crenal streams (spring brooks)
C2.17 Thermal 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
C2.23 Glacial meltwaters
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
C2.41 Brackish water tidal rivers
C2.42 Freshwater tidal rivers
C2.43 Mesotrophic vegetation of tidal rivers
C2.44 Eutrophic vegetation of tidal rivers
C2.5 Temporary running waters
C2.6 Films of water flowing over rocky watercourse margins

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
C3.22 *Scirpus lacustris* beds
C3.23 *Typha* beds
C3.231 *Typha latifolia* beds
C3.232 *Typha angustifolia* beds
C3.24 Medium-tall non-graminoid waterside communities
C3.241 Arrowhead communities
C3.242 Neglected bur-reed communities
C3.243 Erect bur-reed communities
C3.244 Sweet flag communities
C3.245 Flowering rush communities
C3.246 Water dropwort-great yellowcress communities
C3.247 Water horsetail beds
C3.248 Water parsnip communities
C3.249 Marestail beds
C3.24A Common spikerush beds
C3.24B Iris beds
C3.25 Water-fringe medium-tall grass beds
C3.251 Sweetgrass beds
C3.252 Eurasian *Leersia* beds
C3.253 Eurasian *Scolochloa* beds
C3.254 Water-fringe *Calamagrostis* 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
C3.32 *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
C3.4112 Lobelia ponds
C3.4113 Euro-Siberian quillwort swards
C3.4114 Floating bur-reed communities
C3.4115 Boreo-Arctic lake mud communities
C3.4116 *Myriophyllum alterniflorum* 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
C3.414 *Baldellia* shore swards
C3.415 Shore hairgrass swards
C3.42 Mediterraneo-Atlantic amphibious communities
C3.421 Short Mediterranean amphibious communities
C3.4211 Terrestrial quillwort communities
C3.4212 Mediterranean aquatic quillwort swards
C3.4213 Azorean 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
C3.43 Central Eurasian amphibious communities
C3.431 Ponto-Pannonic riverbank dwarf sedge communities
C3.432 Ponto-Pannonic rice-field dwarf sedge communities
C3.433 Ponto-Pannonic halo-nitrophile amphibious swards
C3.44 *Eleocharis parvula* and *Eleocharis acicularis* beds of inland saline and brackish waters
C3.45 *Nasturtium officinale* (*Rorippa nasturtium-aquaticum*) beds
C3.5 Periodically inundated shores with pioneer and ephemeral vegetation
C3.51 Euro-Siberian dwarf annual amphibious swards
C3.511 Freshwater dwarf *Eleocharis* communities
C3.512 Dune-slack *Centaurium* 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
C3.54 Boreo-arctic river mud communities
C3.55 Sparsely vegetated river gravel banks
C3.551 Boreo-alpine stream gravel habitats
C3.552 Montane river gravel habitats
C3.5521 River gravel chondrilla communities
C3.5522 Small-reed river gravel communities
C3.55221 Carpatho-Alpine small-reed river gravel communities
C3.55222 Pyreneo-Cantabric small-reed river gravel communities
C3.5523 Figwort river gravel communities
C3.5524 Ponto-Caucasian 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
C3.72 Periodically exposed lake-bed rocks, pavements and blocks
C3.73 Draw-down zones of reservoirs with non-mobile substrates
C3.8 Inland spray- and steam-dependent habitats

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
D1.11112 *Sphagnum fuscum* hummocks
D1.11113 *Sphagnum rubellum* hummock wreaths
D1.11114 *Sphagnum rubellum* hummocks
D1.11115 *Sphagnum imbricatum* hummocks
D1.11116 *Sphagnum papillosum* hummocks
D1.11117 *Sphagnum capillifolium* hummocks
D1.11118 *Sphagnum angustifolium* hummocks
D1.1112 Bog cottonsedge-sphagnum lawns and green hummock bases
D1.11121 *Eriophorum-Sphagnum tenellum* lawns
D1.11122 *Eriophorum-Sphagnum pulchrum* lawns
D1.11123 *Eriophorum-Sphagnum papillosum* lawns
D1.11124 *Eriophorum-Sphagnum capillifolium* lawns
D1.11125 *Eriophorum-Sphagnum recurvum* lawns
D1.11126 *Eriophorum-Sphagnum fuscum* lawns
D1.11127 *Eriophorum-Sphagnum rubellum* lawns
D1.11128 *Eriophorum-Sphagnum balticum* lawns
D1.11129 *Eriophorum-Sphagnum angustifolium* lawns
D1.1112A *Eriophorum-Sphagnum magellanicum* lawns
D1.1113 Dwarf shrub hummocks
D1.11131 Ling dwarf shrub hummocks
D1.11132 Cross-leaved heather shrub hummocks
D1.11133 Crowberry shrub hummocks
D1.11134 *Vaccinium* shrub hummocks
D1.11135 Labrador tea shrub hummocks
D1.11136 Bog myrtle hummocks
D1.11137 Dwarf birch hummocks
D1.11138 Cloudberry hummocks
D1.11139 Leatherleaf hummocks
D1.1114 Bog deergrass communities
D1.1115 Bog *Erica-Sphagnum* communities
D1.1116 Raised bog species-poor cottonsedge communities
D1.112 Raised bog hollows (schlenken)
D1.1121 Sphagnum schlenken
D1.1122 Mud-bottom schlenken
D1.113 Raised bog seeps and soaks
D1.1131 Bog asphodel seeps
D1.1132 Bog myrtle soaks
D1.114 Boreoalpine dwarf-shrub hummocks on raised bogs
D1.12 Damaged, inactive bogs
D1.121 Damaged, inactive bogs, dominated by dense *Molinia*
D1.122 Drained raised bogs
D1.123 Ditched raised bogs
D1.13 Condensation mires
D1.14 *Myrica gale* scrub on raised bogs
D1.15 Wet bare peat and peat haggs on raised bogs
D1.2 Blanket bogs
D1.21 Hyperoceanic low-altitude blanket bogs, typically with dominant *Trichophorum*
D1.211 Hiberno-Britannic lowland blanket bog plateaux
D1.212 Hiberno-Britannic lowland blanket bog sphagnum carpets
D1.213 Hiberno-Britannic lowland blanket bog *Trichophorum cespitosum* heaths
D1.214 Western Irish *Drosera intermedia* flush communities

D1.215 Western Irish *Juncus bulbosus* flush communities
D1.216 Hiberno-Britannic lowland blanket bog hollows and pools
D1.22 Montane blanket bogs, *Calluna* and *Eriophorum vaginatum* often dominant
D1.221 Hiberno-Britannic *Eriophorum-Calluna* blanket bogs
D1.222 Britannic *Eriophorum vaginatum* blanket bogs
D1.223 Hiberno-Britannic upland blanket bog sphagnum mats
D1.224 Hiberno-Britannic dwarf shrub-*Eriophorum* upland bogs
D1.225 Hiberno-Britannic *Rhacomitrium lanuginosum* upland bog hummocks
D1.226 Hiberno-Britannic upland blanket bog wet heaths
D1.227 Hiberno-Britannic upland blanket bog hollows and pools
D1.23 Boreo-Atlantic blanket bogs
D1.231 Southern boreo-Atlantic *Eriophorum - Calluna* bogs
D1.232 Southern boreo-Atlantic *Calluna - Rhacomitrium lanuginosum* moss bogs
D1.233 Southern boreo-Atlantic blanket bog hollow communities
D1.234 Northern boreo-Atlantic *Calluna - Empetrum - Sphagnum fuscum* blanket bogs
D1.235 Northern boreo-Atlantic blanket bog hollow communities
D1.24 Wet bare peat and peat haggs on blanket bogs

D2 Valley mires, poor fens and transition mires

D2.1 Valley mires
D2.11 Acid valley mires
D2.12 Basic and neutral valley mires
D2.2 Poor fens and soft-water spring mires
D2.21 *Eriophorum scheuchzeri* fens
D2.211 Alpide cottonsedge lake girdles
D2.212 Boreal *Eriophorum scheuchzeri* fens
D2.22 *Carex nigra, Carex canescens, Carex echinata* fens
D2.221 Peri-Alpine black-white-star and tall bog sedge fens
D2.2211 Subalpine black sedge fens
D2.2212 Central Alpine tall bog sedge fens
D2.222 Sub-Atlantic black-white-star sedge fens
D2.2221 Sub-Atlantic *Carex* acidic fens
D2.2222 Sub-Atlantic *Carex-Juncus* acidic fens
D2.2223 Sub-Atlantic *Carex-Sphagnum* fens
D2.2224 Sub-Atlantic *Carex-Juncus-Sphagnum* fens
D2.2225 Sub-Atlantic *Agrostis-Sphagnum* fens
D2.223 British black-white-star sedge acidic fens
D2.224 Pyrenean black sedge acidic fens
D2.225 Iberian black sedge acidic fens
D2.226 Peri-Danubian black-white-star sedge fens
D2.2261 Carpathian black-white-star sedge acidic fens
D2.2262 Dinaric black-star sedge acidic fens
D2.2263 Rhodopide black-star sedge acidic fens
D2.2264 Peri-Pannonic black-white-star sedge fens
D2.2265 Balkanic black-star sedge fens
D2.2266 Moeso-Macedonian black-star sedge fens
D2.23 Apennine acidic fens
D2.24 *Carex intricata* pozzines (wet depressions surrounding glacial lakes)
D2.241 Nevadan Borreguile fens
D2.242 Corsican intricated sedge pozzines
D2.243 Nebrodi pozzines
D2.25 *Trichophorum cespitosum* and *Narthecium ossifragum* acidic fens
D2.251 Perialpine deergrass acidic fens
D2.252 Pyrenean deergrass and bog asphodel acidic fens
D2.253 Cantabrian deergrass and bog asphodel acidic fens
D2.254 Middle European deergrass and bog asphodel acidic fens
D2.255 Corsican deergrass fens
D2.26 *Eriophorum angustifolium* fens
D2.27 Dunal sedge acidic fens
D2.28 Illyrio-Moesian acidic fens

D2.281 Pelagonide fens
D2.2811 Pelagonide bog-asphodel fens
D2.2812 Pelagonide Macedonian sedge fens
D2.282 Montenegrine willemetia fens
D2.283 Illyrian sedge-beak-sedge fens
D2.29 Boreal acidic sphagnum fens
D2.291 Boreal *Eriophorum vaginatum* sphagnum fens
D2.2911 *Eriophorum vaginatum*-*Carex pauciflora* sphagnum fens
D2.2912 *Eriophorum vaginatum*-deergrass-sphagnum fens
D2.2913 Boreal stiff sedge-sphagnum fens
D2.292 Boreal purple moorgrass-deergrass fens
D2.2921 Boreal purple moorgrass-deergrass-sphagnum fens
D2.2922 Boreal purple moorgrass-deergrass-brown moss-sphagnum fens
D2.293 Boreoalpine *Sphagnum lindbergii* mires
D2.2931 Sedge and cottongrass boreoalpine *Sphagnum lindbergii* mires
D2.2932 Deergrass boreoalpine *Sphagnum lindbergii* mires
D2.2A *Myrica gale* scrub on poor fens
D2.2B Caucasian acidic fens
D2.2C Soft water spring mires
D2.2C1 Soft water bryophyte springs
D2.2C11 Montane soft water moss springs
D2.2C12 *Philonotis*-*Saxifraga stellaris* springs
D2.2C13 *Pohlia* springs
D2.2C14 Boreoalpine soft water hepatic springs
D2.2C15 Britannic *Anthelia* springs
D2.2C16 Boreal meadow springs
D2.2C17 Soft water lichen springs
D2.2C18 Permafrost seeps
D2.2C2 Bittercress springs
D2.2C3 Oro-Mediterranean soft water spring mires
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
D2.313 Brown moss-sphagnum slender-sedge swards
D2.32 *Carex diandra* quaking mires
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
D2.3322 Brown moss-bottle sedge quaking mires
D2.34 *Carex limosa* swards
D2.341 Brown moss-mud sedge swards
D2.342 Sphagnum-mud sedge swards
D2.343 Boreal mud sedge swards
D2.35 *Carex chordorrhiza* swards
D2.36 *Carex heleonastes* 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
D2.392 Oroboreal bog bean-sphagnum rafts
D2.393 Boreoalpine dwarf willow quaking bogs
D2.394 Boreal bogbean-brown moss carpets
D2.395 Boreal cowbane-willowherb-*Calliergon* quaking bogs
D2.396 Fennoscandian *Paludella* spring bogs
D2.3A *Calla palustris* mires
D2.3B Brown moss carpets
D2.3C *Eriophorum vaginatum* quaking bogs
D2.3D *Molinia caerulea* quaking bogs

D2.3E *Calamagrostis stricta* quaking bogs
D2.3F *Scirpus hudsonianus* (*Trichophorum alpinum*) 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
D2.3H2 Boreal mud-bottom communities

D3 Aapa, palsa and polygon mires

D3.1 Palsa mires
D3.11 Palsa mounds
D3.111 Northern Fennoscandian palsa mounds
D3.112 Icelandic palsa mounds
D3.12 *Sphagnum fuscum* pounikko hummocks
D3.13 Palsa mire flarks
D3.2 Aapa mires
D3.21 Aapa strings
D3.211 *Sphagnum fuscum* aapa strings
D3.212 Sedge-*Sphagnum papillosum* aapa strings
D3.213 Cottonsedge aapa strings
D3.214 Purple moorgrass aapa strings
D3.215 Dwarf shrub aapa strings
D3.22 Aapa flarks
D3.221 Algae and hepatic flarks
D3.222 Sphagnum flarks
D3.223 Brown moss flarks
D3.224 Small sedge mud-bottom flarks
D3.225 Small-sedge rich fen flarks
D3.226 Small-sedge acidic fen flarks
D3.227 Small-sedge transition mire flarks
D3.228 Tall sedge flarks
D3.3 Polygon mires
D3.31 Polygon mire ridges
D3.32 Polygon mire hollows

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
D4.111 Hiberno-Britannic black bogrush fens
D4.112 Germano-Gallic black bogrush fens
D4.113 Central European black bogrush fens
D4.114 Illyrian black bogrush fens
D4.115 Pannonic black bogrush fens
D4.116 Intra-Carpathian black bogrush fens
D4.12 *Schoenus ferrugineus* fens
D4.121 Peri-Alpine brown bogrush fens
D4.122 Scottish brown bogrush fens
D4.123 Northern brown bogrush fens
D4.13 Subcontinental *Carex davalliana* fens
D4.131 Peri-Alpine Davall sedge fens
D4.132 Deergrass Davall sedge fens
D4.133 Bohemio-Pannonic Davall sedge fens
D4.134 Carpathian Davall sedge fens
D4.135 Northern Davall sedge fens
D4.136 Dinaric carnation-tawny sedge fens
D4.14 Pyrenean *Carex davalliana* fens
D4.15 *Carex dioica*, *Carex pulicaris* and *Carex flava* fens
D4.151 British dioecious-yellow sedge fens
D4.152 Northern dioecious-yellow-tawny sedge fens
D4.1521 Fennoscandian brown moss yellow sedge fens

D4.1522 Fennoscandian *Sphagnum warnstorfii* yellow sedge fens
D4.1523 Eastern Baltic tawny sedge fens
D4.153 Middle European yellow sedge fens
D4.154 Cantabrian yellow sedge fens
D4.155 Eastern Iberian rich fens
D4.156 Flea sedge fens
D4.16 *Carex nigra* alkaline fens
D4.161 Middle European black sedge rich fens
D4.162 Boreal black sedge-brown moss fens
D4.163 Icelandic black sedge-brown moss fens
D4.17 *Carex saxatilis* fens
D4.18 *Carex frigida* fens
D4.19 British *Carex demissa - Saxifraga aizoides* flushes
D4.1A *Eleocharis quinqueflora* fens
D4.1B Mediterraneo-Turanian small sedge fens
D4.1C *Carex rostrata* alkaline fens
D4.1D *Scirpus hudsonianus* (*Trichophorum alpinum*) alkaline fens
D4.1E *Trichophorum cespitosum* alkaline fens
D4.1F Middle European *Blysmus compressus* fens
D4.1G Small herb alkaline fens
D4.1H Calcareous dunal *Juncus* - sedge fens
D4.1I Tall herb fens
D4.1J Icelandic *Carex bigelowii* fens
D4.1K *Sesleria caerulea* fens
D4.1L Icelandic *Equisetum palustre* fens
D4.1M *Myrica gale* scrub on rich fens
D4.1N Hard water spring mires
D4.1N1 Middle European calcareous spring mires
D4.1N11 Hard water bryophyte springs
D4.1N12 Great horsetail springs
D4.1N13 Variegated horsetail springs
D4.1N14 Small herb calcareous springs
D4.1N15 Polish scurvy-grass springs
D4.1N16 Carpathian oriental leopardsbane communities
D4.1N2 Boreo-alpine calcareous spring mires
D4.1N3 Illyro-Balkanic calcareous spring mires
D4.1N4 Caucasian calcareous spring mires
D4.1N5 Anatolian calcareous spring mires
D4.2 Basic mountain flushes and streamsides, with a rich arctic-montane flora
D4.21 Arctoalpine *Kobresia simpliciuscula* and *Carex microglochin* swards
D4.22 Alpine riverine *Carex maritima* (*Carex incurva*) swards
D4.23 Arctoalpine riverine *Equisetum*, *Typha* and *Juncus* swards
D4.24 British mica flushes
D4.25 Boreal *Carex atrofusca* swards
D4.26 Boreal marsh-fens
D4.261 *Eriophorum* marsh-fens
D4.262 Grass and forb marsh-fens
D4.263 *Carex* marsh-fens

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
D5.2 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
D5.2123 Inn sedge beds
D5.2124 Banat sedge beds
D5.2125 Water sedge beds
D5.2126 Brotero sedge beds
D5.2127 *Carex melanostachya* 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
D5.2143 Slender 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
D5.217 Smaller tussock sedge tussocks
D5.218 Cyperus sedge tussocks
D5.219 Fox sedge tussocks
D5.2191 True fox sedge tussocks
D5.2192 False fox sedge tussocks
D5.21A Club sedge beds
D5.21B Icelandic sedge beds
D5.22 Tall *Cyperus* beds, other than *Cyperus papyrus*
D5.221 Common galingale beds
D5.23 *Cyperus papyrus* swamps
D5.231 Cyane papyrus swamp
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
D6.11 Interior European *Puccinellia distans* meadows
D6.12 Interior European saltmarsh *Juncus gerardi* and *Elymus repens* beds
D6.13 Interior European *Halimione pedunculata* beds
D6.14 Swards of Carpathian travertine concretions
D6.15 Interior Iberian *Microcnemum* and *Salicornia* swards
D6.151 Iberian *Microcnemum* swards
D6.152 Iberian interior *Salicornia* swards
D6.16 Interior central European and Anatolian *Salicornia*, *Microcnemum*, *Suaeda* and *Salsola* swards
D6.161 Pannonic glasswort-seablite-saltwort swards
D6.1611 Pannonic glasswort swards
D6.1612 Pannonic seablite swards
D6.1613 Pannonic saltwort communities
D6.1614 Pelagonian seablite swards
D6.162 Western Pontic glasswort-seablite-saltwort swards
D6.163 Central Eurasian glasswort swards
D6.17 Western European continental glasswort beds
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
  - **E1.112** *Sempervivum* or *Jovibarba* communities on rock debris
  - **E1.113** Middle European grassy rock debris communities
    - **E1.1131** *Poa badensis* and garlic rock debris swards
    - **E1.1132** *Poa compressa* rock debris swards
    - **E1.1133** *Melica ciliata* rock debris swards
  - **E1.114** Middle European rock debris small forb communities
  - **E1.115** Fenno-Scandian pioneer rock swards
- **E1.12** Euro-Siberian pioneer calcareous sand swards

E1.2 Perennial calcareous grassland and basic steppes
- **E1.21** Helleno-Balkanic *Satureja montana* steppes
- **E1.22** Arid subcontinental steppic grassland (*Festucion valesiacae*)
  - **E1.221** Sub-Pannonic steppes
    - **E1.2211** Pre-Noric sub-Pannonic steppes
    - **E1.2212** Pre-Bohemian sub-Pannonic steppes
    - **E1.2213** Central Hungarian sub-Pannonic steppes
    - **E1.2214** Pre-Illyrian sub-Pannonic steppes
    - **E1.2215** Andropogonid sub-Pannonic steppes
    - **E1.2216** Sub-Pannonic rock steppes
  - **E1.222** Moesio-Carpathian steppes
    - **E1.2221** Moesio-Carpathian feathergrass-fescue steppes
    - **E1.2222** Moesio-Carpathian andropogonid steppes
- **E1.23** Meso-xerophile subcontinental meadow-steppes (*Cirsio-Brachypodion*)
  - **E1.231** Sub-Pannonic meadow-steppes
  - **E1.232** Sub-Pannonic wooded steppe meadows
  - **E1.233** Dacio-Pannonic meadow-steppes
  - **E1.234** Moesio-Carpathian meadow-steppes
- **E1.24** Central alpine arid grassland (*Stipo-Poion*)
- **E1.25** Alvar steppes
- **E1.26** Sub-Atlantic semi-dry calcareous grassland
  - **E1.261** Northwestern semidry calcareous grasslands
    - **E1.2611** Fenno-Scandian sub-Atlantic calcicolous grasslands
    - **E1.2612** Hibernian dry calcicolous grasslands
    - **E1.2613** Scotian dry calcicolous grasslands
    - **E1.2614** Britannic *Sesleria* dry calcicolous grasslands
    - **E1.2615** Vecto-Cambrian *Festuca-Carlina* grasslands
    - **E1.2616** Southern Britannic dry calcicolous grasslands
  - **E1.262** Middle European *Bromus erectus* semidry grasslands
    - **E1.2621** Mosan *Mesobromion*
    - **E1.2622** Low Meuse *Mesobromion*
    - **E1.2623** Harz *Mesobromion*
    - **E1.2624** Oder *Mesobromion*
    - **E1.2625** Paris basin Cretaceous *Mesobromion*
    - **E1.2626** Parisian Tertiary *Mesobromion*
    - **E1.2627** Paris basin Jurassic *Mesobromion*
    - **E1.2628** Middle Rhine *Mesobromion*
    - **E1.2629** Upper Rhine *Mesobromion*
    - **E1.262A** Black Forest *Mesobromion*
    - **E1.262B** Western Jura *Mesobromion*
    - **E1.262C** Swabian *Mesobromion*
    - **E1.262D** Franconian *Mesobromion*
    - **E1.262E** Northwestern pre-Alpine *Mesobromion*

E1.262F Eastern peri-Alpine *Mesobromion*
E1.262G Ligerian *Mesobromion*
E1.262H Aquitanian *Mesobromion*
E1.262I Quercy *Mesobromion*
E1.262J Western Pyrenean *Mesobromion*
E1.262K Western Iberian *Mesobromion*
E1.262L Eastern Hercynian *Mesobromion*
E1.263 Middle European *Brachypodium* semidry grasslands
E1.264 Alluvial and humid *Mesobromion* grasslands
E1.265 Middle European *Sesleria* semidry grasslands
E1.266 Sub-Mediterranean *Mesobromion*
E1.267 Insubrian *Mesobromion* grasslands
E1.268 Central Apennine *Mesobromion* grasslands
E1.269 Illyrian *Mesobromion* grasslands
E1.2691 Illyrian brome-plantain grasslands
E1.2692 Illyrian *Sesleria* grasslands
E1.2693 Illyrian *Molinia-Gladiolus* grasslands
E1.27 Sub-Atlantic very dry calcareous grassland
E1.271 Southern Britannic *Xerobromion* grasslands
E1.272 Middle European *Xerobromion* grasslands
E1.2721 Mosan *Xerobromion*
E1.2722 Harz *Xerobromion*
E1.2723 Paris basin Cretaceous *Xerobromion*
E1.2724 Parisian Tertiary *Xerobromion*
E1.2725 Paris basin Jurassic *Xerobromion*
E1.2726 Middle Rhine *Xerobromion*
E1.2727 Upper Rhine *Xerobromion*
E1.2728 Western Jura *Xerobromion*
E1.2729 Swabian *Xerobromion*
E1.272A Franconian *Xerobromion*
E1.272B Northwestern pre-Alpine *Xerobromion*
E1.272C Bavarian *Xerobromion*
E1.272D Ligerian *Xerobromion*
E1.272E Aquitanian *Xerobromion*
E1.272F Quercy *Xerobromion*
E1.272G Pyrenean *Xerobromion*
E1.272H Southwestern Alpine *Xerobromion*
E1.272I Northern Apennine *Xerobromion*
E1.273 Hercynio-Jurassic blue moorgrass *Xerobromion*
E1.28 Central European calcaro-siliceous grassland
E1.281 Hercynian calcaro-siliceous stony grasslands
E1.282 Central European calcaro-siliceous sand grasslands
E1.2821 Calcicline Central European sand grasslands
E1.2822 Acidocline Central European sand grasslands
E1.2823 Substabilised Central European sand grasslands
E1.29 *Festuca pallens* grassland
E1.291 Calci-orophile pale fescue grasslands
E1.2911 Dealpine calciphile pale fescue grasslands
E1.29111 Peri-Alpine feathergrass rock grasslands
E1.29112 Peri-Alpine blue moorgrass rock grasslands
E1.29113 Peri-Carpathian dealpine rock grasslands
E1.29114 Pannonic *Sesleria sadleriana* rock grasslands
E1.29115 Bohemian dealpine rock grasslands
E1.2912 East Carpathian *Sesleria rigida* grasslands
E1.292 Calcicline pale fescue grasslands
E1.2921 Peri-Hercynian calcicline pale fescue grasslands
E1.2922 Circum-Pannonic calcicline pale fescue grasslands
E1.29221 Pre-Carpathian pale fescue grasslands
E1.292211 Pre-Carpathian Baden meadowgrass pale fescue grasslands
E1.292212 Pre-Carpathian *Sesleria hungarica* grasslands

E1.29222 Central Pannonic pale fescue grasslands
E1.292221 Pannonic dwarf sedge pale fescue grasslands
E1.292222 Pannonic seseli pale fescue grasslands
E1.292223 Pannonic brome pale fescue grasslands
E1.292224 Pannonic cinquefoil pale fescue grasslands
E1.29223 Pre-Dacic pale fescue grasslands
E1.293 Acidocline pale fescue grasslands
E1.2931 Hercynian siliceous pale fescue grasslands
E1.2932 Circum-Pannonic siliceous pale fescue grasslands
E1.29321 Pannonic siliceous spleenwort-melick rock grasslands
E1.29322 Pannonic *Festuca pseudodalmatica* rock grasslands
E1.29323 Transylvanian *Festuca pseudodalmatica* rock grasslands
E1.29324 Pannonic meadowgrass pale fescue grasslands
E1.2A *Brachypodium phoenicoides* swards
E1.2B Serpentine steppes
E1.2C Pannonic loess steppic grassland
E1.2C1 Pannonic loess steppes
E1.2C2 Pannonic tall forb meadow-steppes
E1.2C3 Pannonic semidesert steppes
E1.2C4 Pannonic loess pastures
E1.2D Ponto-Sarmatic steppes
E1.2D1 Western Pontic steppes
E1.2D2 Sarmatic steppes
E1.2D3 Eastern Pontic steppes
E1.2E Irano-Anatolian steppes
E1.2F Pannonic sand steppes
E1.2F1 Pannonic sand pioneer swards
E1.2F11 Drooping brome pioneer swards
E1.2F12 Corispermum pioneer swards
E1.2F13 Pannonic horsetail pioneer swards
E1.2F2 Pannonic open sand steppes
E1.2F21 Pannonic calciphile sand steppes
E1.2F211 Pannonic calciphile sand fescue steppes
E1.2F2111 Central Pannonic calciphile sand fescue steppes
E1.2F2112 Eastern Pannonic calciphile sand fescue steppes
E1.2F2113 Southern Pannonic calciphile sand fescue steppes
E1.2F212 Pannonic feathergrass sand steppes
E1.2F22 Pannonic acidophile sand fescue steppes
E1.2F3 *Festuca wagneri* sand steppes
E1.2F31 Central Pannonic *Festuca wagneri* sand steppes
E1.2F32 Deliblat *Festuca wagneri* sand steppes
E1.2F4 Pannonic closed sand steppes
E1.2F5 Pannonic sand puszta
E1.2G Ponto-Sarmatic sand steppes
E1.2H Irano-Anatolian sand steppes
E1.3 Mediterranean xeric grassland
E1.31 West Mediterranean xeric grassland
E1.311 Retuse torgrass swards
E1.312 Crau steppe
E1.313 Mediterranean annual communities of shallow soils
E1.3131 Western Mediterranean calciphile annual communities
E1.3132 Southeastern Iberian pre-desert annual communities
E1.3133 Iberian gypsum annual communities
E1.3134 Andalusian magnesium annual communities
E1.3135 Sicilian saxicolous annual communities
E1.3136 Northern Sicilian aster annual communities
E1.3137 Calabro-Sicilian esparto annual communities
E1.314 Causse dolomitic arenas
E1.32 Southwestern Mediterranean perennial pastures
E1.33 East Mediterranean xeric grassland

E1.331 Eastern retuse torgrass swards
E1.332 Helleno-Balkanic short grass and therophyte communities
E1.333 Asio-Mediterranean short grass and therophyte communities
E1.4 Mediterranean tall-grass and *Artemisia* steppes
E1.41 *Stipa tenacissima* steppes
E1.42 *Lygeum spartum* steppes
E1.421 Iberian esparto steppes
E1.422 Central Mediterranean esparto steppes
E1.423 Cretan esparto steppes
E1.43 Mediterranean steppes dominated by tall grasses other than *Stipa tenacissima* or *Lygeum spartum*
E1.431 Berceales
E1.432 Mediterranean feathergrass steppes
E1.433 Diss steppes
E1.434 Andropogonid grass steppes
E1.4341 Iberian andropogonid grass steppes
E1.4342 Provençal andropogonid grass steppes
E1.4343 Central Mediterranean andropogonid grass steppes
E1.4344 Helleno-Balkanic andropogonid grass steppes
E1.4345 Mediterraneo-Anatolian andropogonid grass steppes
E1.435 Andalusian fescue and oat grasslands
E1.4351 Calcicolous fescue and oat grasslands
E1.4352 Silicicolous fescue and oat grasslands
E1.4353 Carrascoy fescue and oat grasslands
E1.44 Cane steppes
E1.45 Sub-Mediterranean *Artemisia* steppes
E1.5 Mediterranean-montane grassland
E1.51 Mediterraneo-montane steppes
E1.511 Mediterraneo-montane *Stipa* steppes
E1.512 Mediterraneo-montane *Sesleria* steppes
E1.513 Mediterraneo-montane *Festuca-Koeleria* steppes
E1.514 Mediterraneo-montane *Artemisia* steppes
E1.52 *Aphyllanthes* grassland and supra-Mediterranean steppes
E1.53 Iberian *Festuca* frost-influenced grassland
E1.54 Central and southern Apennine dry grassland
E1.55 Eastern sub-Mediterranean dry grassland
E1.551 Lowland savory-chrysopogon dry grasslands
E1.5511 Helleno-Paeonian savory-chrysopogon dry grasslands
E1.5512 Dalmatian savory-chrysopogon dry grasslands
E1.55121 Dalmatian savory-fescue-hairgrass grasslands
E1.55122 Dalmatian sage-feathergrass grasslands
E1.55123 Dalmatian asphodel-chrysopogon grasslands
E1.55124 Dalmatian thrift grasslands
E1.55125 Dalmatian *Aethionema* grasslands
E1.55126 Dalmatian fescue grasslands
E1.552 Mountain savory-chrysopogon dry grasslands
E1.5521 Rock knapweed-dwarf sedge grasslands
E1.5522 Savory-edraianthus grasslands
E1.5523 Mucronated sedge grasslands
E1.5524 Triestine knapweed-chrysopogon grasslands
E1.5525 Silky greenwood-*Sesleria* grasslands
E1.553 Viper's grass dry grasslands
E1.5531 Viper's grass-lime sieglinglia grasslands
E1.5532 Spurge-chrysopogon grasslands
E1.5533 Restharrow-brome grasslands
E1.5534 Viper's grass-catsear grasslands
E1.5535 Lousewort-dwarf sedge grasslands
E1.5536 Croatian fescue-meadowgrass grasslands
E1.5537 Cleistogenes grasslands
E1.554 Bosnian dolomite grasslands

E1.6 Subnitrophilous annual grassland
E1.61 Mediterranean subnitrophilous grass communities
E1.62 Meseta subnitrophilous crucifer communities
E1.63 Iberian southeastern subnitrophilous herb communities
E1.64 Eastern Mediterranean subnitrophilous herb communities
E1.7 Non-Mediterranean dry acid and neutral closed grassland
E1.71 *Nardus stricta* swards
E1.711 Insular *Nardus-Galium* grasslands
E1.712 Sub-Atlantic *Nardus-Galium* grasslands
E1.713 Beskid *Calluna-Nardus* grassland
E1.714 Bohemian orchid-matgrass swards
E1.715 Illyrian mat-grass swards
E1.72 *Agrostis - Festuca* grassland
E1.721 Nemoral *Agrostis-Festuca* grasslands
E1.722 Boreo-arctic *Agrostis-Festuca* grasslands
E1.7221 Boreo-subalpine *Agrostis* grasslands
E1.7222 Icelandic *Anthoxanthum-Hierochloe* grasslands
E1.7223 Northern boreal *Festuca* grasslands
E1.7224 Icelandic *Festuca* grasslands
E1.7225 Fenno-Scandian *Avenula pratensis-Festuca rubra* grasslands
E1.73 *Deschampsia flexuosa* grassland
E1.74 *Calamagrostis epigejos* stands
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
E1.812 Dalmatian siliceous grassland
E1.82 Iberian *Festuca elegans* grassland
E1.83 Mediterraneo-montane *Nardus stricta* swards
E1.831 Iberian montane *Nardus stricta* swards
E1.832 Southern Italian *Nardus stricta* swards and related communities
E1.833 Balkanic montane *Nardus stricta* swards
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
E1.94 Inland dune pioneer grassland
E1.95 Inland dune siliceous grassland
E1.96 Northern fluviatile dunes
E1.97 Southern fluviatile dunes
E1.98 Breckland inland dunes
E1.99 Rhône riverine dunes
E1.9A Southern Iberian inland dunes
E1.9B Pannonic inland dunes
E1.9B1 Pannonic bare sands
E1.9B2 Pannonic dune lichen communities
E1.9B3 Pannonic dune pioneer grasslands
E1.9B4 Pannonic dune open grasslands
E1.9B5 Pannonic dune closed grasslands
E1.9B6 Pannonic dune thickets and scrubs
E1.9B7 Pannonic dune woods
E1.9C Pontic inland dunes
E1.9C1 Pontic bare sands
E1.9C2 Pontic dune lichen communities
E1.9C3 Pontic dune pioneer grasslands
E1.9C4 Pontic dune open grasslands
E1.9C5 Pontic dune closed grasslands
E1.9D Standing stone inland dunes
E1.9E Irano-Anatolian inland dunes
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.A22 Helleno-Balkanic supra-Mediterranean siliceous grasslands
E1.B Heavy-metal grassland
E1.B1 Atlantic heavy-metal grassland
E1.B11 British heavy metal grasslands
E1.B12 Irish heavy metal grasslands
E1.B2 Calaminarian grassland
E1.B21 *Viola calaminaria* grasslands
E1.B22 *Viola guestphalica* grasslands
E1.B23 Western calaminarian thrift grasslands
E1.B24 Calaminarian pennycress grasslands
E1.B3 Central European heavy-metal grassland
E1.B4 Calaminarian *Silene vulgaris* grassland
E1.B5 Alpine heavy-metal grassland
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
E2.114 Continental pastures
E2.12 Ditch-broken pastures
E2.13 Abandoned pastures
E2.14 Species-rich lowland flood meadows
E2.15 Macaronesian mesic grassland
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
E2.231 Western Hercynian submontane hay meadows
E2.232 Eastern Hercynio-Baltic submontane hay meadows
E2.233 Carpathian submontane hay meadows
E2.2331 Western Carpathian gladiolus meadows
E2.2332 Western Carpathian vetch-clover meadows
E2.2333 Eastern Carpathian yellow oatgrass meadows
E2.234 Northern Iberian submontane hay meadows
E2.235 Alpic submontane hay meadows
E2.236 Jurassian submontane hay meadows
E2.237 Illyrian submontane hay meadows
E2.238 Southwestern Moesian submontane hay meadows
E2.24 Boreal and sub-boreal meadows
E2.241 Fenno-Scandian boreal and sub-boreal meadows
E2.242 Britannic submontane meadows
E2.25 Continental meadows
E2.251 Ponto-Pannonic mesophile hay meadows
E2.252 Moeso-Thracian mesophile hay meadows
E2.2521 Moeso-Thracian mesophile floodplain meadows
E2.2522 Moeso-Thracian mesophile foothill meadows

E2.2523 Moeso-Thracian mesophile cold water meadows
E2.3 Mountain hay meadows
E2.31 Alpic mountain hay meadows
E2.32 Ponto-Caucasian hay meadows
E2.4 Iberian summer pastures (vallicares)
E2.41 Perennial vallicares
E2.42 Annual vallicares
E2.43 Andalusian *Armeria* vallicares
E2.5 Meadows of the steppe zone
E2.6 Agriculturally-improved, re-seeded and heavily fertilised grassland, including sports fields and grass lawns
E2.61 Dry or moist agriculturally-improved grassland
E2.62 Wet agriculturally-improved grassland, often with drainage ditches
E2.63 Turf sports fields
E2.64 Park lawns
E2.65 Small-scale lawns
E2.7 Unmanaged mesic grassland

E3 Seasonally wet and wet grasslands

E3.1 Mediterranean tall humid grassland
E3.11 Mediterranean tall humid grassland of lowlands
E3.111 *Serapias* grassland
E3.12 Mediterranean tall humid grassland of mountains
E3.121 Peat grasslands of Troodos
E3.2 Mediterranean short humid grassland
E3.3 Sub-mediterranean humid meadows
E3.31 Helleno-Moesian riverine and humid *Trifolium* meadows
E3.32 Apennine humid meadows
E3.33 Dalmatian riverine and humid meadows
E3.34 Illyrio-Moesian riverine and humid *Trifolium* meadows
E3.35 Anatolian supra-Mediterranean 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
E3.413 Western tufted hairgrass meadows
E3.4131 Atlantic tufted hairgrass meadows
E3.4132 Boreal tufted hairgrass meadows
E3.414 Marsh ragwort meadows
E3.415 Bistort meadows
E3.416 Thread rush meadows
E3.417 Soft rush meadows
E3.418 Blunt-flowered rush meadows
E3.419 Wood clubrush meadows
E3.41A Brook thistle meadows
E3.41B Crested dog's tail-rush meadows
E3.41C Marsh thistle meadows
E3.41D Melancholy thistle meadows
E3.41E Chervil wet meadows
E3.41F Calcareous dunal small reed fens
E3.42 *Juncus acutiflorus* meadows
E3.43 Subcontinental riverine meadows
E3.44 Flood swards and related communities
E3.441 Tall rush pastures
E3.442 Flood swards
E3.4421 Marsh foxtail flood swards
E3.4422 Creeping bent flood swards
E3.4423 Tall fescue flood swards
E3.4424 Common couch flood swards
E3.4425 Rhenish *Deschampsia media* flood swards

E3.443 Small rush swards
E3.45 Recently abandoned hay meadows
E3.46 Continental humid meadows
E3.461 Sub-Pannonic ashy thistle humid meadows
E3.462 Peri-Pannonic humid meadows
E3.4621 Eastern Carpathian globe flower-cabbage thistle meadows
E3.4622 Peri-Pannonic bistort meadows
E3.4623 Eastern Carpathian thread rush meadows
E3.4624 Eastern Carpathian soft rush meadows
E3.4625 Peri-Pannonic wood clubrush meadows
E3.4626 Peri-Pannonic brook thistle meadows
E3.463 Illyrio-Pannonic riverine and humid meadows
E3.464 Ponto-Sarmatic humid meadows
E3.47 Northern boreal alluvial meadows
E3.5 Moist or wet oligotrophic grassland
E3.51 *Molinia caerulea* meadows and related communities
E3.511 Calcicline purple moorgrass meadows
E3.512 Acidocline purple moorgrass meadows
E3.513 Giant moorgrass swards
E3.514 Boreal purple moorgrass meadows
E3.52 Heath *Juncus* meadows and humid *Nardus stricta* swards
E3.53 Continental oligotrophic humid grassland

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
E4.113 *Luzula spadicea* snow patch communities
E4.114 Hercynian acid snow patch communities
E4.115 Boreal moss snowbed communities
E4.116 Boreo-alpine *Deschampsia-Anthoxanthum* communities
E4.117 Boreo-alpine herb-rich acid snowbed communities
E4.118 Boreo-alpine acidocline sedge and rush snowbed 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
E4.1212 Carpathian saxifrage snow-patch communities
E4.1213 Dinaro-Pelagonide calciphile herbaceous snow-patch communities
E4.122 *Distichium capillaceum* snowbed communities
E4.123 Snow buttercup snowbed communities
E4.124 Snow grass snowbed communities
E4.125 Arctic woodrush snowbed communities
E4.126 Boreal herb-rich calcicline snowbed communities
E4.127 Subarctic small-herb snowbed communities
E4.13 Ponto-Caucasian snow-patch grassland
E4.14 Boreo-alpine fern snowbed grassland
E4.2 Moss and lichen dominated mountain summits, ridges and exposed slopes
E4.21 Oroboreal *Carex bigelowii-Rhacomitrium* moss-heaths
E4.22 Rock pavement lichen communities
E4.23 Rock pavement, plateau and summital moss heaths
E4.24 Icelandic lava flow moss heaths
E4.25 Moss and lichen fjell fields
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

E4.316 Hercynian summital mat-grass swards
E4.3161 Hautes Chaumes summital mat-grass swards
E4.3162 Black Forest summital mat-grass swards
E4.3163 Harz summital mat-grass swards
E4.3164 Bohemian Forest summital mat-grass swards
E4.3165 Sudeten summital mat-grass swards
E4.317 Carpathian mat-grass swards
E4.3171 Western Carpathian mat-grass swards
E4.3172 Eastern Carpathian mat-grass swards
E4.318 Oro-Moesian mat-grass swards
E4.319 Dinaride mat-grass swards
E4.32 Oroboreal acidocline grassland
E4.33 Thermo-Alpigenous subalpine acidophilous grassland
E4.331 Thermo-Alpigenous *Festuca paniculata* swards
E4.332 Pyrenean *Festuca eskia* garland-grasslands
E4.333 Arverno-Alpine varicoloured fescue garland-grasslands
E4.34 Alpigenous acidophilous grassland
E4.341 Alpigenous crooked-sedge grasslands
E4.3411 Alpine *Carex curvula* grasslands
E4.3412 Pyrenean *Carex curvula* grasslands
E4.3413 Carpathian *Carex curvula* grasslands
E4.342 Alpigenous *Festuca halleri* grasslands
E4.343 Alpigenous *Festuca airoides* grasslands
E4.3431 Pyrenean *Festuca airoides* grasslands
E4.3432 Carpathian *Festuca airoides* grasslands
E4.3433 Hercynian *Festuca airoides* grasslands
E4.344 Pyrenean *Festuca borderi* swards
E4.345 Alpigenous *Oreochloa disticha* swards
E4.3451 Alpine *Oreochloa disticha* swards
E4.3452 Carpathian *Oreochloa disticha* grasslands
E4.346 Hercynio-Carpathian *Juncus trifidus* swards
E4.3461 Bohemian Forest *Juncus trifidus* swards
E4.3462 Sudeten *Juncus trifidus* swards
E4.3463 Carpathian *Juncus trifidus* swards
E4.34631 Northern Carpathian *Juncus trifidus* swards
E4.34632 Eastern Carpathian *Juncus trifidus* swards
E4.3464 Alpine *Juncus trifidus* swards
E4.347 Cantabrian *Oreochloa blanka* swards
E4.348 Alpigenous *Agrostis rupestris* swards
E4.35 Oro-Hellenic closed grassland
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
E4.362 Oro-Iberian mat-grass swards
E4.3621 Cantabrio-Cordilleran oro-Mediterranean mat-grass swards
E4.3622 Nevadan borreguiles
E4.37 Oro-Corsican grassland
E4.38 Oro-Apennine closed grassland
E4.39 Oro-Moesian acidophilous grassland
E4.391 Oro-Moesian *Festuca paniculata* grasslands
E4.392 Oro-Moesian varicoloured fescue grasslands
E4.3921 Oro-Moesian *Festuca valida* grasslands

E4.3922 Balkan *Festuca balcanica* grasslands
E4.3923 Pelagonide *Festuca varia* grasslands
E4.393 Oro-Moesian *Poa violacaea* grasslands
E4.394 Oro-Moesian aeolian grasslands
E4.3941 Oro-Moesian crooked sedge grasslands
E4.3942 Oro-Moesian Haller fescue grasslands
E4.39421 Rhodopide *Festuca riloensis* grasslands
E4.39422 Pelagonide *Festuca scardica* grasslands
E4.39423 Montenegrine *Festuca riloensis* grasslands
E4.3943 Oro-Moesian *Festuca airoides* grasslands
E4.3944 Oro-Moesian *Sesleria comosa* grasslands
E4.3945 Oro-Moesian *Agrostis rupestris* grasslands
E4.3946 Southern Pelagonide aeolian grasslands
E4.3947 Montenegrine aeolian fescue grasslands
E4.3A Western Asian acidophilous alpine grassland
E4.4 Calcareous alpine and subalpine grassland
E4.41 Closed calciphile alpine grassland
E4.411 Mesophile evergreen sedge grasslands
E4.4111 Alpine evergreen sedge grasslands
E4.4112 Pyrenean evergreen sedge grasslands
E4.412 Northern rusty sedge grasslands
E4.413 Southern rusty sedge grasslands
E4.414 Violet fescue swards and related communities
E4.415 Cantabrian thrift swards
E4.416 Jura summital swards
E4.417 Dinaro-Moesian oligophile closed calcicolous grasslands
E4.4171 Dinaric oligophile closed calcicolous grasslands
E4.41711 Dinaric pungent fescue grasslands
E4.41712 Dinaric violet fescue grasslands
E4.41713 Dinaric closed evergreen sedge grasslands
E4.4172 Rhodo-Pelagonian oligophile closed calcicolous grasslands
E4.41721 Rhodopide pungent fescue grasslands
E4.417211 Pirin fescue grasslands
E4.417212 Slavianka pungent fescue grasslands
E4.41722 Pelagonide closed calcicolous feathergrass grasslands
E4.41723 Pelagonide closed calcicolous sesleria grasslands
E4.41724 Pelagonide closed calcicolous fescue grasslands
E4.4173 Balkan oligophile closed calcicolous grasslands
E4.41731 Balkan closed calcicolous fescue grasslands
E4.41732 Balkan closed erect brome grasslands
E4.41733 Balkan closed evergreen sedge grasslands
E4.418 Dinaro-Moesian mesophile closed calcicolous grasslands
E4.4181 Dinaric rusty sedge grasslands
E4.4182 Dinaric bellflower grasslands
E4.4183 Western Balkanic calcicolous scabious-fescue grasslands
E4.42 Wind edge *Kobresia myosuroides* swards
E4.421 Alpine naked-rush swards
E4.422 Pyrenean naked-rush swards
E4.423 Cantabrian naked-rush swards
E4.424 Apennine naked-rush swards
E4.425 Carpathian naked-rush swards
E4.426 Scandinavian naked-rush swards
E4.427 Pirin naked-rush swards
E4.428 Pelagonide naked-rush swards
E4.43 Calciphilous stepped and garland grassland
E4.431 Blue moorgrass-evergreen sedge swards
E4.4311 Alpine blue moorgrass-evergreen sedge swards
E4.4312 Jura blue moorgrass-evergreen sedge swards
E4.432 Southern Alpine oatgrass-blue moorgrass swards
E4.433 Cushion sedge carpets

E4.4331 Alpine cushion sedge carpets
E4.4332 Western Carpathian cushion sedge carpets
E4.4333 Eastern Carpathian cushion sedge carpets
E4.4334 Dinaric cushion sedge carpets
E4.434 Pyrenean *Festuca gautieri* grasslands
E4.435 Oro-Iberian calciphilous stripped grasslands
E4.436 Apennine stripped grasslands
E4.437 Helleno-Balkanic stripped grasslands
E4.438 Oro-Moesian calciphile stripped grasslands
E4.4381 Dinaric calciphile stripped grasslands
E4.4382 Pelago-Rhodopide calciphile stripped grasslands
E4.43821 Pelagonide calciphile stripped grasslands
E4.43822 Rhodopide *Sesleria klasterskyi* grasslands
E4.4383 Balkan Range calciphile stripped grasslands
E4.4384 Montenegrine *Oxytropis* grasslands
E4.439 Carpathian calciphile stepped grasslands
E4.4391 West Carpathian calciphile stepped grasslands
E4.43911 Tatra sesleria-evergreen sedge grasslands
E4.43912 West Carpathian *Festuca versicolor* grasslands
E4.43913 Hercynio-Carpathian *Agrostis alpina* grasslands
E4.4392 East Carpathian calciphile stepped grasslands
E4.43921 East Carpathian sesleria-evergreen sedge grasslands
E4.43922 East Carpathian *Festuca versicolor* grasslands
E4.43923 East Carpathian *Festuca amethystina* grasslands
E4.43924 East Carpathian *Festuca flaccida* grasslands
E4.44 Ponto-Caucasian alpine grassland
E4.441 Pontic alpine grassland
E4.442 Caucasian alpine grassland
E4.443 Crimean alpine grassland
E4.444 Hyrcanian alpine grassland
E4.5 Alpine and subalpine enriched grassland
E4.51 Subalpine *Trisetum flavescens* hay meadows
E4.52 *Leontodon hispidus* pastures

E5 Woodland fringes and clearings and tall forb stands

E5.1 Anthropogenic herb stands
E5.11 Lowland habitats colonised by tall nitrophilous herbs
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
E5.15 Land reclamation forb fields
E5.2 Thermophile woodland fringes
E5.21 Xero-thermophile fringes
E5.22 Mesophile fringes
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
E5.4 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*)
E5.4111 *Angelica archangelica* fluvial communities
E5.4112 *Angelica heterocarpa* fluvial communities
E5.4113 *Althaea officinalis* screens
E5.412 Western nemoral river bank tall-herb communities dominated by *Filipendula*
E5.413 Boreal river bank tall-herb communities dominated by *Filipendula*
E5.414 Continental river bank tall-herb communities dominated by *Filipendula*
E5.42 Tall-herb communities of humid meadows
E5.421 Western nemoral tall-herb communities of humid meadows
E5.422 Boreal tall-herb communities of humid depressions

E5.423 Continental tall-herb communities of humid meadows
E5.43 Shady woodland edge fringes
E5.44 Mediterranean grasslands on alluvial river banks
E5.5 Subalpine moist or wet tall-herb and fern stands
E5.51 Alpic tall-herb communities
E5.511 Alpine tall herb communities
E5.512 Jura tall herb communities
E5.513 Hercynian tall herb communities
E5.514 Carpathian tall herb communities
E5.5141 Carpathian adenostyles communities
E5.5142 Carpathian fern communities
E5.5143 Carpathian monkshood communities
E5.51431 North Carpathian monkshood communities
E5.51432 East Carpathian monkshood communities
E5.5144 Carpathian butterbur communities
E5.51441 Carpathian white butterbur communities
E5.51442 Carpathian glabrous butterbur communities
E5.515 Dinaric tall herb communities
E5.516 Apennine tall herb communities
E5.52 Alpigene tall grass communities
E5.53 Pyreneo-Iberian tall-herb communities
E5.54 Ibero-Mauritanian tall-herb communities
E5.541 Southern Iberian tall herb communities
E5.55 Corsican *Cymbalaria* tall-herb communities
E5.56 Corsican *Doronicum* tall-herb communities
E5.57 Eastern oro-Mediterranean and Balkan tall-herb communities
E5.571 Hellenic tall herb communities
E5.572 Moesian tall herb communities
E5.5721 Moesian Balkan thistle tall herb communities
E5.5722 Moesian butterbur tall herb communities
E5.5723 Moesian hogweed tall herb communities
E5.5724 Moesian scarlet avens tall herb communities
E5.58 Alpine *Rumex* communities
E5.59 Oro-boreal tall-herb communities
E5.591 Roseroot-cranesbill-woodrush oroboreal communities
E5.592 Oroboreal tall forb communities
E5.593 Oroboreal tall grass and fern communities
E5.5A Ponto-Caucasian tall-herb communities
E5.5B Alpine and subalpine fern stands

E6 Inland salt steppes

E6.1 Mediterranean inland salt steppes
E6.11 Mediterranean *Limonium* salt steppes
E6.111 Ibero-Tyrrhenian sea-lavender steppes
E6.112 Adriatic sea-lavender steppes
E6.113 Aegeo-Levantine sea-lavender communities
E6.12 Mediterranean *Lygeum spartum* salt steppes
E6.13 Mediterranean inland halo-nitrophilous pioneer communities
E6.2 Continental inland salt steppes
E6.21 Pannonic salt steppes and saltmarshes
E6.211 Saline puszta
E6.2111 Grassy saline puszta
E6.21111 Northern grassy saline puszta
E6.21112 Southern grassy saline puszta
E6.21113 *Agropyron* saline puszta
E6.2112 Grassy psammo-saline puszta
E6.2113 *Artemisia* saline puszta
E6.2114 East Pannonic *Petrosimonia-Artemisia* salt steppes
E6.2115 Saline forest-edge meadow-steppe
E6.2116 East Pannonic *Limonium-Artemisia* salt steppes

E6.212 Pannonic saline meadows
E6.2121 Pannonic bent-grass saline meadows
E6.2122 Pannonic *Beckmannia* saline meadows
E6.2123 Pannonic spikerush-foxtail saline meadows
E6.2124 Pannonic saltmarsh rush saline meadows
E6.2125 Pannonic divided sedge saline meadows
E6.2126 Dacian saline meadows
E6.213 Pannonic solonetz hollows
E6.2131 Pannonic *Puccinellia limosa* hollows
E6.2132 Pannonic *Camphorosma* hollows
E6.2133 Pannonic *Bassia sedoides* hollows
E6.2134 Pannonic *Pholiurus-Plantago* hollows
E6.2135 Pannonic barley hollows
E6.214 Pannonic solonchak hollows
E6.2141 Pannonic *Lepidium-Puccinellia limosa* hollows
E6.2142 Seewinkel *Puccinellia peisonis* swards
E6.2143 Pannonic *Lepidium-Camphorosma* hollows
E6.2144 Seewinkel *Lepidium* swards
E6.215 Pelago-Vardarian salt steppes
E6.2151 Pelago-Vardarian saline meadows
E6.2152 Pelago-Vardarian solonetz hollows
E6.2153 Pelago-Vardarian *Camphorosma monspeliaca* flats
E6.2154 Central Paeonian salt steppes
E6.22 Ponto-Sarmatic salt steppes and saltmarshes
E6.221 Western Pontic saline steppes
E6.2211 Western Pontic *Achillea-Festuca* steppes
E6.2212 Western Pontic *Artemisia-Festuca* steppes
E6.2213 Western Pontic *Petrosimonia-Artemisia* salt steppes
E6.2214 Western Pontic *Peucedanum-Festuca* salt steppes
E6.2215 Western Pontic *Limonium-Artemisia* salt steppes
E6.222 Western Pontic saline meadows
E6.2221 Western Pontic *Zingeria* saline meadows
E6.2222 Western Pontic *Beckmannia* saline meadows
E6.2223 Western Pontic spikerush-foxtail saline meadows
E6.2224 Western Pontic saltmarsh rush saline meadows
E6.2225 Western Pontic divided sedge saline meadows
E6.2226 Western Pontic arrow-grass sea-aster saline meadows
E6.2227 Western Pontic tall grass and rush saline beds
E6.223 Western Pontic solonetz hollows
E6.2231 Western Pontic *Puccinellia* solonetz swards
E6.2232 Western Pontic *Camphorosma annua* hollows
E6.2233 Western Pontic *Bassia sedoides* hollows
E6.2234 Western Pontic *Pholiurus-Plantago* hollows
E6.2235 Western Pontic *Hordeum hystrix* swards
E6.224 Western Pontic solonchak communities
E6.225 Western Pontic salt scrubs
E6.226 Sarmatic saline steppes
E6.2261 Sarmatic *Artemisia-Festuca* salt steppes
E6.2262 Sarmatic *Petrosimonia* salt steppes
E6.2263 Sarmatic *Limonium-Festuca* salt steppes
E6.227 Sarmatic saline meadows
E6.2271 Sarmatic *Beckmannia eruciformis* saline meadows
E6.2272 Sarmatic *Leuzea altaica* saline meadows
E6.2273 Sarmatic *Iris halophila* saline meadows
E6.2274 Sarmatic *Juncus gerardii* saline meadows
E6.2275 Sarmatic *Carex distans* saline meadows
E6.228 Sarmatic solonetz hollows
E6.229 Sarmatic solonchak hollows
E6.23 Central Eurasian solonchak grassland dominated by *Crypsis*
E6.231 Ponto-Pannonic *Acorellus* community

E6.232 Pontic *Frankenia pulverulenta* communities

E7 Sparsely wooded grasslands

E7.1 Atlantic parkland
E7.2 Sub-continental parkland
E7.3 Dehesa

F Heathland, scrub and tundra

F1 Tundra

F1.1 Shrub tundra
F1.11 Western shrub tundra
F1.2 Moss and lichen tundra
F1.21 *Cladonia* - espalier willow tundra
F1.22 Moss 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
F2.112 Oroboreal moss-dwarf willow snowbed 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
F2.12112 Carpathian *Salix kitaibeliana* snowbed communities
F2.1212 Scandinavian espalier willow snowbed communities
F2.122 Polar willow snowbed communities
F2.1221 Fenno-Scandian polar willow snowbed communities
F2.1222 Spitzbergen polar willow snowbed communities
F2.13 Ponto-Caucasian snow-patch dwarf *Salix* scrub
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
F2.2121 Alps dwarf *Vaccinium* wind heaths
F2.2122 Carpathian dwarf *Vaccinium* wind heaths
F2.213 Rhodopide and Balkan dwarf *Vaccinium* wind heaths
F2.2131 Rhodopide dwarf *Vaccinium* wind heaths
F2.2132 Balkan Range dwarf *Vaccinium* wind heaths
F2.214 Pontic dwarf *Vaccinium* heaths
F2.22 Alpide acidocline *Rhododendron* heaths
F2.221 Alpine rusty alpenrose heaths
F2.222 Pyrenean rusty alpenrose heaths
F2.223 Dinaric rusty alpenrose heaths
F2.224 Carpathian *Rhododendron kotschyi* heaths
F2.225 Balkan *Rhododendron kotschyi* heaths
F2.2251 Balkan Range Kotschy's alpenrose heaths
F2.2252 Rila Kotschy's alpenrose heaths
F2.226 Pontic alpenrose heaths
F2.23 Southern Palaearctic mountain dwarf *Juniperus* scrub
F2.231 Mountain *Juniperus nana* scrub
F2.232 *Juniperus sabina* scrub
F2.2321 Iberian *Juniperus sabina* scrub
F2.2322 Alpine *Juniperus sabina* scrub
F2.2323 Apennine *Juniperus sabina* scrub
F2.2324 Dinarid *Juniperus sabina* scrub
F2.2325 Carpatho-Balkanic *Juniperus sabina* scrub

- **F2.233** *Juniperus hemisphaerica* scrub
- **F2.234** Mountain *Juniperus oxycedrus* scrub

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

F2.25 Boreo-alpine and arctic heaths

- **F2.251** Hiberno-Scotian dwarf mountain heaths
- **F2.252** Britannic chionophilous boreo-montane heaths
- **F2.253** Scotian juniper heaths
- **F2.254** Fenno-Scandian boreo-alpine heaths
- **F2.255** North Atlantic boreo-alpine heaths
- **F2.256** Arctic heaths

F2.26 *Bruckenthalia* heaths

- **F2.261** Rhodopide *Bruckenthalia* heaths
- **F2.262** Northwestern Hellenide *Bruckenthalia* heaths
- **F2.263** Carpatho-Balkanic *Bruckenthalia* heaths
  - **F2.2631** Balkan range *Bruckenthalia* heaths
  - **F2.2632** Carpathian *Bruckenthalia* heaths
- **F2.264** Anatolian *Bruckenthalia* heaths

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

F2.28 Alpide *Rhododendron hirsutum* - *Erica* heaths

- **F2.281** Hairy alpenrose heaths
- **F2.282** Alpine erica heaths

F2.29 *Dryas octopetala* mats

- **F2.291** Alpigenic high mountain *Dryas* mats
  - **F2.2911** Alpine *Dryas* mats
  - **F2.2912** Southwestern high moutain *Dryas* mats
  - **F2.2913** Jura *Dryas* mats
  - **F2.2914** Apennine *Dryas* mats
  - **F2.2915** Carpatho-Balkanide *Dryas* mats
    - **F2.29151** Western Carpathian *Dryas* mats
    - **F2.29152** Southeastern Carpathian *Dryas* mats
    - **F2.29153** Balkan Range *Dryas* mats
  - **F2.2916** Dinaro-Hellenide *Dryas* mats
  - **F2.2917** Rhodopide mountain avens mats
- **F2.292** Hiberno-Britannic maritime *Dryas* mats
- **F2.293** Boreo-alpine *Dryas* mats
- **F2.294** Arctic *Dryas* heaths

F2.2A Alpide high mountain dwarf *Vaccinium* heaths

- **F2.2A1** Central Mediterranean subalpine dwarf bilberry heaths
- **F2.2A2** Balkano-Hellenic dwarf bilberry heaths
- **F2.2A3** Pontic Range dwarf bilberry heaths

F2.2B Alpide high mountain *Genista* and *Chamaecytisus* heaths

- **F2.2B1** Rayed broom heaths
- **F2.2B2** Balkano-Rhodopide *Chamaecytisus absinthioides* heaths
- **F2.2B3** Helleno-Balkanic *Chamaecytisus hirsutus* heaths

F2.3 Subalpine deciduous scrub

F2.31 Mountain *Alnus* brush

- **F2.311** Green alder brush
  - **F2.3111** Alpine green alder scrub
  - **F2.3112** Carpathian green alder scrub
  - **F2.3113** Dinaric green alder scrub
  - **F2.3114** Balkan range green alder brush
  - **F2.3115** Rhodopide green alder brush
- **F2.312** Corsican sweet alder brush

F2.32 Subalpine and oroboreal *Salix* brush

- **F2.321** Alpide willow brush
  - **F2.3211** Alpigenous small willow brush
  - **F2.3212** Alpine prostrate willow brush
  - **F2.3213** Alpigenous tall willow brush
  - **F2.3214** Pyreneo-Cantabric willow brush
  - **F2.3215** Hercynio-Carpathian willow brush

F2.3216 Southeastern alpigenous willow brushes
F2.32161 Dinaride willow brush
F2.32162 Balkan Range willow brush
F2.32163 Rhodopide willow brush
F2.3217 Ponto-Caucasian mountain willow brush
F2.322 Oroboreal *Salix* scrub
F2.323 Northern British willow brush
F2.33 Subalpine mixed brushes
F2.331 Subalpine *Sorbus* brush
F2.332 Subalpine birch brush
F2.333 Subalpine bramble brush
F2.334 Subalpine cherry brush
F2.335 Subalpine ericaceous brush
F2.336 Rhodope *Potentilla fruticosa* thickets
F2.34 Oroboreal *Betula* scrub
F2.4 Conifer scrub close to the tree limit
F2.41 Inner Alpine *Pinus mugo* scrub
F2.42 Outer Alpine *Pinus mugo* scrub
F2.43 Southwestern *Pinus mugo* scrub
F2.44 Apennine *Pinus mugo* scrub
F2.45 Hercynian *Pinus mugo* scrub
F2.46 Carpathian *Pinus mugo* scrub
F2.461 Carpathian subalpine mountain pine scrub
F2.462 Carpathian alpenrose mountain pine scrub
F2.47 Pelago-Dinaride *Pinus mugo* scrub
F2.48 Balkano-Rhodopide *Pinus mugo* scrub

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
F3.1122 Sub-Mediterranean blackthorn-privet scrub
F3.1123 Rock pear scrub
F3.1124 Peri-Alpine sea buckthorn-barberry scrub
F3.1125 Inner Alpine barberry scrub
F3.1126 Iberian barberry scrub
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
F3.142 Alpine broom fields
F3.143 Central Massif *Cytisus scoparius* 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
F3.163 Juniper-wood sorrel woodland
F3.164 Sub-Mediterranean common juniper thickets
F3.17 *Corylus* thickets
F3.171 Atlantic and sub-Atlantic hazel thickets
F3.172 Sub-boreal hazel thickets

F3.173 Peri-Alpine hazel thickets
F3.174 Subcontinental hazel thickets
F3.18 Inland dune thickets
F3.181 Inland dune juniper scrubs
F3.182 Inland dune mixed thickets
F3.2 Submediterranean deciduous thickets and brushes
F3.21 Montane *Cytisus purgans* fields
F3.211 Cévennes *Cytisus purgans* fields
F3.212 Pyrenean *Cytisus purgans* fields
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
F3.22 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
F3.225 North African sub-Mediterranean deciduous thickets
F3.23 Tyrrhenian sub-mediterranean deciduous thickets
F3.24 Subcontinental and continental deciduous thickets
F3.241 Central European subcontinental thickets
F3.2411 Northern Central European ground cherry scrub
F3.2412 Subcontinental peri-Pannonic scrub
F3.24121 Peri-Pannonic ground cherry scrub
F3.24122 Peri-Pannonic dwarf almond scrub
F3.24123 Peri-Pannonic burnet rose scrub
F3.24124 Peri-Pannonic spiraea scrub
F3.24125 Danubian hawthorn scrub
F3.2413 Peri-Pannonic thickets
F3.242 Illyrio-Adriatic deciduous thickets
F3.2421 Illyrio-Adriatic oriental hornbeam thickets
F3.2422 Illyrio-Adriatic mixed thickets
F3.2423 Illyrio-Adriatic Christ's thorn brush
F3.243 Balkano-Hellenic deciduous thickets
F3.2431 Moesian oriental hornbeam thickets
F3.24311 Thracio-Macedonian oriental hornbeam thickets
F3.24312 Central Moesian oriental hornbeam thickets
F3.24313 Peri-Carpathian manna ash oriental hornbeam thickets
F3.24314 Peri-Carpathian wig tree oriental hornbeam thickets
F3.2432 Moesian lilac thickets
F3.24321 Central Moesian lilac thickets
F3.24322 Danubian lilac thickets
F3.24323 Moesio-Hellenic mixed thickets
F3.24324 Spleenwort lilac chasm thickets
F3.24325 Apuseni *Syringa josikaea* thickets
F3.2433 Moesian Christ's thorn brush
F3.244 Aegean deciduous thickets
F3.245 Eastern Mediterranean deciduous thickets
F3.246 Mediterraneo-Euxinian deciduous thickets
F3.247 Ponto-Sarmatic deciduous thickets
F3.2471 Ponto-Sarmatic steppe brush
F3.2472 Ponto-Sarmatic pre-steppe thorn thickets
F3.2473 Ponto-Thracian sub-Mediterranean scrub
F3.24731 Western Pontic jasmine christ's thorn scrub
F3.24732 Thracian christ's thorn scrub
F3.24733 Western Pontic wigtree scrub
F3.2474 Ponto-Sarmatic steppe-ravine scrub
F3.2475 Ponto-Sarmatic pod thickets

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
F3.26 Tyrrhenian broom fields
F3.27 *Genista aetnensis* stands
F3.28 Canary Island broom fields
F3.29 Moesian 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
F4.211 North Atlantic *Vaccinium-Empetrum-Rhacomitrium* heaths
F4.212 Sub-boreal *Vaccinium* heaths
F4.213 Hercynian *Vaccinium* heaths
F4.214 Submontane Alpine *Vaccinium* heaths
F4.215 Submontane Pyreneo-Cantabrian *Vaccinium* heaths
F4.216 Collinar-montane Carpathian *Vaccinium* heaths
F4.2161 Submontane western Carpathian bilberry-cowberry heaths
F4.2162 Montane eastern Carpathian bilberry-ling heaths
F4.22 Sub-Atlantic *Calluna - Genista* heaths
F4.221 Northern *Calluna-Genista* heaths
F4.222 Subcontinental *Calluna-Genista* heaths
F4.223 Campino-Flandrian *Calluna-Genista* heaths
F4.224 Campino-Flandrian *Erica cinerea* heaths
F4.225 Britannic *Calluna-Genista* heaths
F4.226 Montane *Calluna-Genista* heaths
F4.227 Southern sub-boreal *Calluna-Empetrum* heaths
F4.228 Illyrian heaths
F4.229 Po basin heaths
F4.22A *Genista sagittalis* heaths
F4.22B Central European basicline heaths
F4.22C Pontic ling heaths
F4.23 Atlantic *Erica - Ulex* heaths
F4.231 Maritime gorse heaths
F4.232 Hiberno-Britannic *Calluna vulgaris-Ulex gallii* heaths
F4.233 Irish *Erica mackaiana* heaths
F4.234 Northern *Erica vagans* heaths
F4.235 Anglo-Armorican *Erica cinerea-Ulex gallii* heaths
F4.236 Cantabro-Pyrenean *Erica mackaiana-E. cinerea* heaths
F4.237 Cantabro-Pyrenean *Erica vagans-E. cinerea* heaths
F4.238 Gallo-Britannic dwarf gorse heaths
F4.239 Aquitano-Ligerian dwarf gorse heaths
F4.24 Ibero-Atlantic *Erica - Ulex - Cistus* heaths
F4.241 Biscay heaths
F4.2411 Aquitanian *Erica-Cistus* heaths
F4.2412 Gascony-Sologne arid 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
F4.25 Boreo-Atlantic *Erica cinerea* heaths
F4.26 Inland dune heaths
F4.261 Dry sandy heaths with *Empetrum nigrum*
F4.262 Dry sandy heaths with *Calluna* and *Genista*
F4.3 Macaronesian heaths
F4.31 Canary Island heaths
F4.311 Canary Island *Erica scoparia* heaths
F4.312 Canary Island *Erica arborea* heaths
F4.32 Madeiran cloud heaths
F4.33 Madeiran summital heaths
F4.34 Azorean lowland heaths
F4.35 Upland Azorean *Erica azorica* and *Juniperus brevifolia* heaths
F4.36 Azorean summital 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
F5.113 Calciphile western Mediterranean oak matorral
F5.114 Eastern Mediterranean oak matorral
F5.115 Iberian mixed oak arborescent matorral
F5.116 Mediterranean evergreen oak low woods
F5.1161 *Quercus ilex* and *Quercus rotundifolia* low woods
F5.1162 *Quercus coccifera* and *Quercus alnifolia* low woods
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
F5.1313 *Juniperus transtagana* arborescent matorral
F5.132 *Juniperus phoenicea* and *Juniperus lycia* arborescent matorral
F5.1321 *Juniperus phoenicea* arborescent matorral
F5.1322 *Juniperus lycia* arborescent matorral
F5.133 *Juniperus excelsa* and *Juniperus foetidissima* arborescent matorrals
F5.1331 *Juniperus excelsa* arborescent matorral
F5.1332 *Juniperus foetidissima* arborescent matorral

F5.134 *Juniperus communis* arborescent matorral
F5.135 *Juniperus drupacea* 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
F5.144 Aegean 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
F5.19 *Cupressus* matorral
F5.1A *Zelkova* matorral
F5.2 Maquis
F5.21 High maquis
F5.211 Western Mediterranean high maquis
F5.212 Luso-Extremaduran high maquis
F5.213 Eastern Mediterranean high maquis
F5.22 Low ericaceous maquis
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
F5.234 Tyrrhenian tall cistus maquis
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
F5.25 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
F5.3 Pseudomaquis
F5.31 Helleno-Balkanic pseudomaquis
F5.32 Italo-French pseudomaquis
F5.33 Iberian pseudomaquis
F5.34 Western Asian pseudomaquis
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
F5.5122 Western *Erica manipuliflora* heath-garrigues
F5.5123 Eastern *Erica manipuliflora* heath-garrigues
F5.513 Thorny burnet brush
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
F5.5172 Tyrrhenian thermo-Mediterranean kermes oak brush
F5.5173 Hellenic thermo-Mediterranean kermes oak brush
F5.5174 Anatolian thermo-Mediterranean kermes oak brush
F5.5175 Cyprian thermo-Mediterranean kermes oak brush
F5.5176 Levantine 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
F5.51A4 Eastern *Phillyrea* thickets
F5.51B Buckthorn-asparagus brushes
F5.51C *Osyris* brushes
F5.51D Storax thickets
F5.51E *Buxus balearica* box thickets
F5.51F Dwarf oak scrub
F5.51G Tall spiny broom brush
F5.51H Corema brush
F5.51I Thermo-Mediterranean juniper brushes
F5.51J Thermo-Mediterranean wormwood brushes
F5.51K Thermo-Mediterranean Jupiter's beard brushes
F5.51L Coastal dwarf leguminous garrigues
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
F5.552 Sicilian jujube brush
F5.553 *Maytenus* brushes
F5.554 Iberian *Periploca* scrubs
F5.555 Sicilian Channel *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
F5.562 Ibero-Mauritanian white retama brush
F5.563 *Genista speciosa* broom fields
F5.564 *Genista valentina* broom fields
F5.565 *Genista retamoides* broom fields
F5.566 *Genista haenseleri* broom fields
F5.567 *Genista ramosissima* broom fields
F5.568 Thermo-mediterranean *Lygos raetam* brush
F5.569 Eolian broomfields
F5.56A *Genista ephedroides* broomfields
F5.56B Ibiza broomfields
F5.56C *Genista pseudoretamoides* broom fields
F5.57 Mediterranean gorse-heaths

F5.571 Monchique *Ulex argenteus* gorse-heaths
F5.572 Lusitanian *Ulex densus* gorse-heaths
F5.573 Morena *Ulex eriocladus* gorse heaths
F5.574 *Ulex parviflorus* gorse-heaths
F5.575 *Stauracanthus spectabilis* gorse-heaths
F5.576 Luso-Extremaduran *Genista hirsuta* gorse-heaths
F5.58 Iberian thermo-Mediterranean garrigues
F5.581 Baetic garrigues
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
F5.592 Algarve *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
F5.5A3 Algarve xero-psammitic brushes
F5.5A4 Lusitanian xero-psammitic brushes
F5.5A5 Western Mediterranean xero-psammitic brushes
F5.5B Cabo de Sao Vicente brushes
F5.5C Thermo-Mediterranean heaths
F5.5C1 Dry Andalusian *monte negro*
F5.5C2 Humid Andalusian *monte negro*

F6 Garrigue

F6.1 Western garrigues
F6.11 Western *Quercus coccifera* garrigues
F6.12 Western *Rosmarinus officinalis* garrigues
F6.13 Western *Cistus* garrigues
F6.14 Western *Euphorbia* garrigues
F6.15 Western *Juniperus oxycedrus* garrigues
F6.16 Western *Lavandula* garrigues
F6.17 Western *Teucrium* and other labiate garrigues
F6.18 Western *Genista* garrigues
F6.19 Western *Calicotome* garrigues
F6.1A Western composite garrigues
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
F6.2 Eastern garrigues
F6.21 Eastern *Quercus coccifera* garrigues
F6.22 Eastern *Rosmarinus officinalis* garrigues
F6.23 Eastern *Cistus* garrigues
F6.24 Eastern *Euphorbia* garrigues
F6.25 Eastern *Juniperus oxycedrus* garrigues
F6.26 Eastern *Lavandula* garrigues

F6.27 Eastern *Teucrium* and other labiates garrigues
F6.271 Eastern tree germander garrigues
F6.272 Jerusalem sage garrigues
F6.273 Eastern *Salvia* and *Stachys* garrigues
F6.274 Eastern dwarf labiate garrigues
F6.28 Eastern *Paliurus spina-christi* garrigues
F6.29 Eastern broom garrigues
F6.2A *Ebenus cretica* brushes
F6.2B Eastern *Helichrysum* and other composite garrigues
F6.2C Eastern *Erica* garrigues
F6.2D *Arbutus andrachne* garrigues
F6.2E Eastern *Globularia* garrigues
F6.2F Eastern *Helianthemum* and *Fumana* garrigues
F6.2G Eastern *Thymelaea* garrigues
F6.2H Eastern *Bupleurum* garrigues
F6.2I East Mediterranean pre-desert scrub
F6.3 Illyrian garrigues
F6.31 Illyrian *Quercus coccifera* garrigues
F6.32 Illyrian *Rosmarinus officinalis* garrigues
F6.33 Illyrian *Cistus* garrigues
F6.331 Illyrian *Cistus incanus* garrigues
F6.332 Illyrian *Cistus salvifolius* garrigues
F6.333 Illyrian *Cistus monspeliensis* garrigues
F6.34 Illyrian *Euphorbia* garrigues
F6.35 Illyrian *Juniperus oxycedrus* garrigues
F6.36 Illyrian *Teucrium* and other labiates garrigues
F6.37 Illyrian *Paliurus spina-christi* garrigues
F6.38 Illyrian broom garrigues
F6.39 Illyrian *Helichrysum* and other composite garrigues
F6.3A Illyrian *Erica* garrigues
F6.4 Black Sea garrigues
F6.41 Crimean garrigues
F6.42 South-Euxinian garrigues
F6.43 Thracian garrigues
F6.5 Macaronesian garrigues
F6.6 Supra-Mediterranean garrigues
F6.61 *Lavandula angustifolia* garrigues
F6.62 *Genista cinerea* garrigues
F6.63 Ibero-Gallic supra-Mediterranean dwarf-shrub garrigues
F6.64 Supra-Mediterranean *Buxus sempervirens* scrub
F6.65 Italian supra-Mediterranean garrigues
F6.66 Balkan peninsula supra-Mediterranean garrigues
F6.661 Balkan peninsula supra-Mediterranean shrub garrigues
F6.662 Balkan peninsula supra-Mediterranean subshrub garrigues
F6.7 Mediterranean gypsum scrubs
F6.71 Central Iberian gypsum scrubs
F6.711 Meseta gypsum scrubs
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
F6.73 Southeastern Iberian gypsum scrubs
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
F6.814 Selvagen woody seablite scrubs

F6.82 Mediterranean halo-nitrophilous scrubs
F6.821 Ebro sisallares
F6.822 Manchegan sisallares
F6.823 Catalano-Valencian halo-nitrophilous scrubs
F6.824 Southeastern Iberian matojares
F6.825 Sicilian halo-nitrophilous scrubs
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
F7.111 Calcareous Provence phrygana
F7.112 Crystalline Provence phrygana
F7.113 West-Mediterranean *Anthyllis* phrygana
F7.114 Straits of Bonifacio phrygana
F7.115 Cabo de Creus phrygana
F7.116 Cabo de Sao Vicente phrygana
F7.12 Balearic clifftop phrygana
F7.2 Central Mediterranean spiny heaths
F7.21 Sardinian *Centaurea horrida* phrygana
F7.22 Sardinian *Genista acanthoclada* phrygana
F7.23 Corsican and Sardinian *Genista* phrygana
F7.24 Pantelleria phrygana
F7.25 Central Mediterranean *Sarcopoterium* phrygana
F7.26 *Hypericum aegyptiacum* phrygana
F7.3 East Mediterranean phrygana
F7.31 Aegean phrygana
F7.311 Aegean *Sarcopoterium* phrygana
F7.312 Maritime *Centaurea spinosa* phrygana
F7.313 Lesbian *Centaurea spinosa* phrygana
F7.314 Cycladian *Centaurea* phrygana
F7.315 Aegean *Erica manipuliflora* phrygana
F7.316 Aegean *Thymus capitatus* phrygana
F7.317 Aegean *Genista acanthoclada* phrygana
F7.318 Aegean *Satureja thymbra* phrygana
F7.319 Aegean *Euphorbia acanthothamnos* phrygana
F7.31A Aegean *Lithospermum hispidulum* phrygana
F7.31B Aegean *Anthyllis hermanniae* phrygana
F7.32 Mid-elevation phrygana of Crete
F7.33 Thracian phrygana
F7.331 Thracian *Sarcopoterium* phrygana
F7.332 Northern Thracian collinar *Astragalus thracicus* phrygana
F7.34 East Mediterranean bathas
F7.341 Cyprian phrygana
F7.342 *Sarcopoterium* bathas
F7.343 *Thymus capitatus* bathas
F7.344 *Salvia triloba* and *Satureja thymbra* bathas
F7.345 *Lithospermum hispidulum* bathas
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
F7.423 Estrela hedgehog-heaths
F7.424 Western Cordilleran secondary hedgehog-heaths

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
F7.442 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
F7.4456 *Genista lobelii* and *G. pulchella* 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
F7.45 Cyrno-Sardinian hedgehog-heaths
F7.46 Mount Etna hedgehog-heaths
F7.47 Madonie and Apennine hedgehog-heaths
F7.48 Helleno-Balkanic sylvatic *Astragalus* hedgehog-heaths
F7.481 Southern Hellenic montane hedgehog heaths
F7.482 Moesian *Astragalus angustifolius* hedgehog-heaths
F7.49 Hellenic oro-Mediterranean hedgehog-heaths
F7.491 Hellenic tragacanth hedgehog-heaths
F7.4911 Southern Peloponnese tragacanth hedgehog-heaths
F7.4912 Kyllini-Chelmos tragacanth hedgehog-heaths
F7.4913 Hellenic mainland tragacanth hedgehog-heaths
F7.492 Oro-Hellenic *Astragalus angustifolius* hedgehog-heaths
F7.493 Hellenic cushion-heaths
F7.4A Hellenic alti-Mediterranean hedgehog-heaths
F7.4B Cretan hedgehog-heaths
F7.4C Aegean summital hedgehog-heaths
F7.4D Southern Hellenic *Genista acanthoclada* 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
F7.4G Cyprian hedgehog-heaths

F7.4H Mediterraneo-Anatolian hedgehog-heaths
F7.4I Western central Eurasian hedgehog-heaths
F7.4I1 Northern Thracian tragacanth hedgehog-heath
F7.4I2 Central Anatolian hedgehog-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
F8.2 Madeiran xerophytic scrub
F8.21 Madeiran *Euphorbia* formations
F8.22 Madeiran saxicolous formations
F8.23 Desertas dry 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
F9.113 Boreo-alpine willow-tamarisk scrub
F9.12 Lowland and collinar riverine *Salix* scrub
F9.121 Almond willow-osier scrub
F9.122 Western Mediterranean purple willow scrub
F9.123 Balkan riverine 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
F9.1272 Sardinian pedicellated willow scrub
F9.1273 Sicilian pedicellated willow scrub
F9.1274 Calabrian pedicellated willow scrub
F9.128 Continental riverine willow scrub
F9.1281 Pannonic riverine willow scrub
F9.1282 Ponto-Sarmatic riverine willow scrub
F9.1283 Central Eurasian riverine willow scrub
F9.129 Boreal riverine willow scrub
F9.13 Montane river gravel low brush
F9.14 Gravel bank thickets and woods
F9.2 *Salix* carr and fen scrub
F9.21 Grey willow carrs
F9.211 Western grey willow carrs
F9.212 Central European grey willow carrs
F9.213 Intra-Carpathian grey willow carrs
F9.22 Sphagnum willow carrs
F9.23 Bay willow carrs
F9.24 Dwarf willow mire scrubs
F9.25 Boreal sedge willow carrs

F9.26 Boreo-alpine willow fen scrubs
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
F9.31322 Madeiran tamarisk thickets
F9.3133 East Mediterranean tamarisk thickets
F9.3134 Hyper-saline Mediterranean tamarisk stands
F9.31341 Iberian *Tamarix boveana* stands
F9.31342 Saline *Tamarix canariensis* stands
F9.31343 Saline eastern tamarisk stands
F9.314 Irano-Turanian tamarisk thickets
F9.3141 Pontic tamarisk stands
F9.31411 Western Pontic fresh water *Tamarix smyrnensis* stands
F9.31412 Western Pontic coastal *Tamarix smyrensis* stands
F9.31413 Central and eastern Pontic tamarisk 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

FA.1 Hedgerows of non-native species
FA.2 Highly-managed hedgerows of native species
FA.3 Species-rich hedgerows of native species
FA.4 Species-poor hedgerows of native species

FB Shrub plantations

FB.1 Shrub plantations for whole-plant harvesting
FB.2 Shrub plantations for leaf or branch harvest
FB.21 Tea plantations
FB.22 Osier beds
FB.3 Shrub plantations for ornamental purposes or for fruit, other than vineyards
FB.31 Shrub and low-stem tree orchards
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
G1.1112 Eastern European poplar-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
G1.1122 Olive-leaved and ashy willow riparian woods
G1.11221 Iberian olive-leaved willow woods
G1.11222 Andalusian olive-leaved willow woods
G1.11223 Sardinian olive-leaved willow woods

G1.11224 Italo-Hellenic ashy willow riparian woods
G1.113 Canary Island *Salix* galleries
G1.114 Continental *Salix* galleries
G1.1141 Pannonic willow and poplar-willow galleries
G1.1142 Ponto-Sarmatic steppe willow galleries
G1.11421 Lower Danube willow galleries
G1.11422 Northern Thracian willow galleries
G1.11423 Eastern Ponto-Sarmatic steppe willow galleries
G1.12 Boreo-alpine riparian galleries
G1.121 Montane *Alnus incana* galleries
G1.1211 Alpine grey alder galleries
G1.1212 Apennine grey alder galleries
G1.1213 Hercynio-Carpathian grey alder galleries
G1.12131 Hercynio-Carpathian sage grey alder galleries
G1.12132 Hercynio-Carpathian caltha grey alder galleries
G1.1214 Eastern Carpathian grey alder galleries
G1.1215 Montenegrine grey alder galleries
G1.1216 Balkan Range grey alder galleries
G1.1217 Rhodopide grey alder galleries
G1.122 Dealpine *Alnus incana* galleries
G1.123 Boreal *Alnus incana* galleries
G1.124 Boreal *Alnus glutinosa* galleries
G1.125 Western Siberian *Betula* and pine galleries
G1.126 Eastern boreal riverine galleries
G1.127 Ponto-Caucasian montane *Alnus* 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
G1.1313 Western Mediterranean alder and ash-alder galleries
G1.1314 Aegean alder galleries
G1.132 *Rhododendron* - *Alnus* galleries
G1.133 Corsican *Alnus cordata* and *Alnus glutinosa* 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
G1.2112 Fontinal ash-alder woods
G1.2113 Cabbage thistle ash-alder woods
G1.2114 Hillside spring ash-alder woods
G1.2115 Great horsetail ash-alder woods
G1.2116 Dacio-Moesian ash-alder woods
G1.212 *Fraxinus* - *Alnus* woods of fast-flowing rivers
G1.2121 Collinar stream ash-alder woods
G1.21211 Stitchwort ash-alder woods
G1.21212 Northeastern stream spruce-ash-alder woods
G1.2122 Submontane Hercynian stream ash-alder woods
G1.2123 Pre-Carpathian stream ash-alder woods
G1.213 *Fraxinus* - *Alnus* woods of slow rivers
G1.2131 Central European slow river floodplain woods
G1.21311 Central European slow river ash-alder woods
G1.21312 Central European spruce-alder woods
G1.21313 Moravian oak-beech-alder riverine woods
G1.2132 West European tall herb ash-alder woods
G1.2133 Ponto-Pannonic tall herb ash-alder woods
G1.2134 Eastern Baltic slow river floodplain woods
G1.21341 Eastern Baltic enchanter's nightshade ash-alder woods
G1.21342 Eastern Baltic slow river spruce-birch-alder woods
G1.2135 Sarmatic ash-alder woods

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
G1.22 Mixed *Quercus - Ulmus - Fraxinus* woodland of great rivers
G1.221 Great medio-European fluvial forests
G1.222 Residual medio-European fluvial forests
G1.223 Southeast European *Fraxinus - Quercus - Alnus* forests
G1.2231 Illyrian ash-oak-alder forests
G1.22311 Illyrian snow-flake ash-oak forests
G1.22312 Illyrian greenweed oak-ash forests
G1.22313 Illyrian riparian oak-hornbeam forests
G1.2232 Helleno-Balkanic ash-oak-alder forests
G1.22321 Hellenic ash-oak-alder forests
G1.22322 Coastal Bulgarian longos forests
G1.22323 Central Balkan ash-oak-alder forests
G1.22324 Albanian ash-oak-alder forests
G1.22325 Montenegrine ash-oak-alder forests
G1.22326 Istrian ash-oak-alder forests
G1.2233 Pannonic ash-oak-alder forests
G1.2234 Getic oak-elm-ash forests
G1.224 Po *Quercus - Fraxinus - Alnus* forests
G1.225 Sarmatic riverine *Quercus* forests
G1.3 Mediterranean riparian woodland
G1.31 Mediterranean riparian *Populus* forests
G1.311 Iberian poplar galleries
G1.312 Provenço-Languedocian poplar galleries
G1.313 Cyrno-Sardinian poplar galleries
G1.314 Italic poplar galleries
G1.315 East Mediterranean poplar galleries
G1.3151 Nestos riparian forests
G1.3152 Hellenic white poplar riparian forests
G1.3153 Northern Hellenic black poplar riparian forests
G1.3154 Hellenic downy poplar riparian forests
G1.3155 Rhodopide Mediterranean poplar galleries
G1.3156 Paeonian poplar galleries
G1.3157 East Adriatic 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
G1.334 Tyrrhenian ash-alder galleries
G1.335 Italic ash galleries
G1.336 Hellenic ash galleries
G1.34 Mediterranean riverine *Ostrya carpinifolia* galleries
G1.35 Mediterraneo-Pontic riverine *Fraxinus* forests
G1.36 Ponto-Sarmatic mixed *Populus* riverine forests
G1.361 Western Pontic poplar galleries
G1.3611 Western Pontic white poplar galleries
G1.3612 Western Pontic white-black poplar galleries
G1.362 Danube delta galleries
G1.3621 Danube delta periploca-poplar-oak-ash galleries
G1.3622 Danube delta *Hippophae-Populus canescens* galleries
G1.363 Southern Sarmatic poplar and elm galleries
G1.364 Central and eastern Pontic poplar forests
G1.365 Central European poplar galleries
G1.37 Irano-Anatolian mixed riverine forests

G1.38 *Platanus orientalis* woods
G1.381 Helleno-Balkanic riparian plane forests
G1.382 Hellenic slope plane woods
G1.383 Sicilian plane tree canyons
G1.384 Anatolian plane forests
G1.385 Cyprian plane forests
G1.386 Levantine plane forests
G1.39 *Liquidambar orientalis* woods
G1.4 Broadleaved swamp woodland not on acid peat
G1.41 *Alnus* swamp woods not on acid peat
G1.411 Meso-eutrophic swamp alder woods
G1.4111 Atlantic greater tussock-sedge alder woods
G1.4112 Elongated-sedge swamp alder woods
G1.4113 East European swamp alder woods
G1.4114 Sub-boreal swamp alder woods
G1.4115 Eastern Carpathian *Alnus glutinosa* swamp woods
G1.41151 Pre-Carpathian alder swamp woods
G1.41152 Intra-Carpathian elongated sedge alder swamp woods
G1.412 Oligotrophic swamp alder woods
G1.413 Southern Helleno-Balkanic swamp alder woods
G1.414 Steppe swamp *Alnus glutinosa* woods
G1.4141 Pannonic swamp alder-ash woods
G1.4142 Sarmatic swamp alder woods
G1.415 Boreal swamp alder woods
G1.42 *Quercus* swamp woods
G1.43 *Populus tremula* swamp woods
G1.44 Wet-ground woodland of the Black and Caspian Seas
G1.5 Broadleaved swamp woodland on acid peat
G1.51 Sphagnum *Betula* woods
G1.511 Cottonsedge sphagnum birch 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
G1.61 Medio-European acidophilous *Fagus* forests
G1.611 Medio-European collinar woodrush beech forests
G1.6111 Western Hercynian collinar woodrush beech forests
G1.6112 Hercyno-Jurassian collinar woodrush beech forests
G1.6113 Peri-Alpine collinar woodrush beech forests
G1.6114 Western sub-Pannonic collinar woodrush beech forests
G1.6115 Pannonic collinar woodrush beech forests
G1.612 Medio-European montane woodrush beech forests
G1.6121 Hercyno-Alpine montane woodrush beech forests
G1.6122 Western medio-European montane woodrush beech forests
G1.62 Atlantic acidophilous *Fagus* forests
G1.621 Germano-Baltic acidophilous beech forests
G1.622 Sub-Atlantic acidophilous beech forests
G1.623 Armorican 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
G1.63 Medio-European neutrophile *Fagus* forests
G1.631 Medio-European collinar neutrophile beech forests
G1.6311 Medio-European wood barley beech forests
G1.6312 Medio-European woodruff and hairy sedge beech forests
G1.632 Atlantic neutrophile beech forests
G1.6321 Calcicline bluebell beech forests

G1.6322 Neutrocline bluebell beech forests
G1.633 Medio-European montane neutrophile beech forests
G1.6331 Jura bittercress beech forests
G1.6332 Western Alps bittercress beech forests
G1.6333 Austro-Bavarian Alps bittercress beech forests
G1.6334 Southeastern Alpine bittercress beech forests
G1.6335 Vosges bittercress beech forests
G1.6336 Black Forest bittercress beech forests
G1.6337 Northern Hercynian bittercress beech forests
G1.6338 Bohemian Quadrangle bittercress beech forests
G1.6339 Western Carpathian bittercress beech forests
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G1.635 Pannonic neutrophile beech forests
G1.6351 Sub-Pannonic beech forests
G1.6352 Pannonic neutrophile collinar beech forests
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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
G1.644 Humid Central Massif fir-beech forests
G1.65 Medio-European subalpine *Fagus* woods
G1.66 Medio-European limestone *Fagus* forests
G1.661 Middle European dry-slope limestone beech forests
G1.6611 Medio-European dry slope sedge beech forests
G1.6612 Medio-European steep slope yew beech forests
G1.6613 Medio-European blue moorgrass beech forests
G1.6614 Medio-European naked basiphile beech forests
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G1.662 Northwestern Iberian xerophile beech woods
G1.67 Southern medio-European *Fagus* forests
G1.671 Alpino-Apennine acidophilous beech forests
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G1.674 Alpino-Apennine neutrophile beech forests
G1.675 Sub-Mediterranean calcicolous beech forests
G1.6751 Box beech forests
G1.6752 Androsace beech forests
G1.6753 Lavender beech forests
G1.6754 Sainte-Baume beech forest
G1.676 Pre-Alpine hop-hornbeam beech forests
G1.68 Southern Italian *Fagus* forests
G1.681 Gargano beech forest
G1.682 Campano-Lucanian beech forests
G1.683 Pollino beech forests
G1.684 Sila beech forests
G1.685 Aspromonte beech forests
G1.686 Northern Sicilian beech forests
G1.687 Etna beech forests
G1.69 Moesian *Fagus* forests
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G1.6911 Southwestern Moesian woodrush-beech forests
G1.6912 Southwestern Moesian neutrophile beech forests
G1.69121 Southwestern Moesian bedstraw-beech forests
G1.69122 Southwestern Moesian fir-beech forests
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G1.69221 Southeastern Moesian bedstraw-beech forests
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G1.6923 Southeastern Moesian subalpine beech forests
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G1.693 Balkan Range beech forests
G1.6931 Balkan Range acidophile beech forests
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G1.69321 Balkan Range bedstraw-beech forests
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G1.69323 Balkan Range beech-hornbeam forests
G1.69324 Balkan Range *Festuca drymeja* beech forests
G1.6933 Balkan Range subalpine beech forests
G1.6934 Balkan Range thermophile beech forests
G1.69341 Balkan Range *Ostrya*-beech forests
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G1.6A Hellenic *Fagus* forests
G1.6A1 Pindus Hellenic beech forests
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G1.6C Illyrian *Fagus* forests
G1.6C1 Illyrian woodrush-beech forests
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G1.6C22 Illyrian montane fir-beech forests
G1.6C221 Illyrian low-montane acidocline fir-beech forests
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G1.6C3 Illyrian thermophile beech forests
G1.6C31 Illyrian coastal beech forests
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G1.6C321 Illyrian hop-hornbeam beech forests
G1.6C322 Illyrian *Helleborus odorus* beech forests
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G1.6C4 Illyrian subalpine beech forests
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G1.6D11 Dacian woodrush-beech forests
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G1.6D51 South Carpathian *Aremonia* beech forests
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G1.6E11 Eastern Balkan Range oriental beech forests
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G1.712 Sub-Mediterranean *Quercus petraea-Q. robur* woods
G1.713 *Quercus palensis* woods
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G1.72 Cyrno-Sardinian *Quercus pubescens* woods
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G1.731 Northern Italic *Quercus pubescens* woods
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G1.734 Aegean *Quercus anatolica* woods
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G1.736 Dalmatian white oak woods
G1.737 Eastern sub-Mediterranean white oak woods
G1.7371 Thracian white oak-oriental hornbeam woods
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G1.73722 Lydian greenweed-white oak woods
G1.73723 Moesian *Paeonia peregrina*-white oak woods
G1.73724 Moesian *Galium dasypodium*-white oak woods
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G1.7374 Pannonian *Quercus pubescens* woods
G1.73741 Pannonian white oak-manna tree woods
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G1.74 Italo-Illyrian *Ostrya carpinifolia* sub-thermophilous *Quercus* woods
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G1.742 Dalmatian thermophile turkey oak-sessile oak woods
G1.7421 Dalmatian *Quercus cerris* woods
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G1.743 Illyrian thermophile turkey oak-sessile oak woods
G1.7431 Illyrian hop-hornbeam mixed oak woods
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G1.75 Southeastern sub-thermophilous *Quercus* woods
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G1.7511 Southern Italic *Quercus cerris* woods
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G1.752 Southern Hellenic subthermophilous oak woods
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G1.764 Helleno-Moesian montane oak forests
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G1.768 Moesio-Danubian thermophilous oak forests
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G1.76811 Moesio-Danubian *Quercus frainetto-Quercus cerris* forests
G1.76812 Moesio-Danubian oriental hornbeam *Quercus cerris* forests
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G1.7682 Moesio-Danubian oriental hornbeam-durmast oak forests
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G1.76822 Moesio-Danubian bedstraw sessile oak forests
G1.7683 Dobrogean oriental hornbeam-lime-oak forests
G1.76831 Dobrogean paeonia sessile oak forests
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G1.769 Getic sub-continental thermophilous oak woods
G1.7691 Getic white cinquefoil *Quercus cerris* forests
G1.7692 Getic early sedge *Quercus frainetto* forests
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G1.7694 Getic *Q. frainetto-Q. cerris-Q. petraea* forests
G1.7695 Getic *Quercus frainetto-Quercus petraea s.l.* forests
G1.7696 Pre-Carpathian *Quercus cerris-Quercus petraea s.l.* forests
G1.76A Thracian sub-continental thermophilous oak woods
G1.76A1 Euxino-Thracian *Quercus frainetto-Quercus cerris* forests
G1.76A11 Thracian *Quercus frainetto-Quercus cerris* forests
G1.76A12 Sub-Euxinian *Quercus frainetto-Quercus cerris* forests
G1.76A2 Thracian *Quercus frainetto-Quercus virgiliana* forests
G1.76A3 Thracian *Quercus pedunculiflora* forests
G1.76A4 Stranja *Quercus polycarpa* forests
G1.76A41 Stranja *Primula rosea-Quercus polycarpa* forests
G1.76A42 Stranja *Fagus orientalis-Quercus polycarpa* forests
G1.76A5 Southeastern Thracian thermophilous oak forests
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G1.77 Afro-Iberian thermophilous *Quercus* forests
G1.771 Spanish *Quercus faginea* forests
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G1.774 Catalonian *Quercus canariensis* stands
G1.775 Balearic *Quercus faginea* woods
G1.78 *Quercus trojana* woodland
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G1.7A11 White cinquefoil oak woods
G1.7A111 Western white cinquefoil sessile oak woods
G1.7A112 Pannonic turkey oak-sessile oak woods
G1.7A113 Pannonic hairy greenweed sessile oak woods
G1.7A114 Sarmatic cinquefoil oak woods
G1.7A115 Getic thermophilous sessile oak forests
G1.7A1151 Getic-pre-Carpathic *Festuca drymeia* oak forests
G1.7A1152 Getic-pre-Carpathic *Aremonia* oak forests
G1.7A116 Moravian serpentine oak woods
G1.7A12 Tartar maple steppe oak woods
G1.7A121 Pannonic steppe oak woods
G1.7A1211 Pannonic loess steppe oak woods
G1.7A1212 Pannonic alkali steppe oak woods
G1.7A1213 Pannonic sand steppe oak woods
G1.7A122 Ponto-Sarmatic steppe oak woods
G1.7A1221 Pontic *Acer tataricum-Q. pedunculiflora* steppe woods
G1.7A1222 Pontic *Acer tataricum-Quercus pubescens* steppe woods
G1.7A1223 Pontic *Acer tataricum-Q. cerris-Q. pedunculiflora* steppe woods
G1.7A1224 Sarmatic *Acer tataricum-Quercus robur* steppe woods
G1.7A1225 Sarmatic *Acer tataricum-Q. robur-Q. petraea* steppe woods
G1.7A123 Getic tartar maple steppe oak woods
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G1.7A2 Irano-Anatolian steppe *Quercus* woods
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
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G1.7C Mixed thermophilous woodland
G1.7C1 *Ostrya carpinifolia* woods
G1.7C11 Mesomediterranean Gallo-Italic hop-hornbeam woods
G1.7C12 Supra-Mediterranean hop-hornbeam woods
G1.7C121 Southwestern Alpine supra-Mediterranean hop-hornbeam woods
G1.7C122 Southeastern Alpine supra-Mediterranean hop-hornbeam woods
G1.7C123 Eastern Adriatic supra-Mediterranean hop-hornbeam woods
G1.7C124 Apennine supra-Mediterranean hop-hornbeam woods
G1.7C125 Corsican supra-Mediterranean hop-hornbeam woods
G1.7C126 Southern Tyrrhenian supra-Mediterranean hop-hornbeam woods
G1.7C13 Montane hop-hornbeam woods
G1.7C14 Illyrian hop-hornbeam woods
G1.7C141 Illyrian white oak hop-hornbeam woods
G1.7C142 Illyrian spring heath hop-hornbeam woods
G1.7C15 Anatolian hop-hornbeam woods
G1.7C2 *Carpinus orientalis* woods
G1.7C21 Inner Illyrian oriental hornbeam woods
G1.7C22 Helleno-Balkanic oriental hornbeam woods
G1.7C221 Helleno-Pelagonide oriental hornbeam woods

G1.7C222 Moesian oriental hornbeam woods
G1.7C223 Lilac oriental hornbeam woods
G1.7C224 Oryzopsis oriental hornbeam woods
G1.7C225 Eastern Adriatic oriental hornbeam woods
G1.7C23 Anatolio-Caucasian oriental hornbeam woods
G1.7C3 Thermophilous *Acer* woods
G1.7C31 Andalusian *Acer granatense* woods
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G1.7C33 North African *Acer monspessulanum* forests
G1.7C34 Moesian thermophilous maple woods
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G1.7C41 Silver lime woods
G1.7C411 Moesian silver lime woods
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G1.7C413 Voivodinian sand steppe lime woods
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G1.7C5 *Celtis australis* woods
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G1.7C61 Sicilian narrow-leaved ash woods
G1.7C62 Iberian narrow-leaved ash woods
G1.7C63 Manna tree woods
G1.7C7 Pannonic *Juniperus - Populus* steppe woods
G1.7C71 Pannonic privet juniper-poplar steppe woods
G1.7C72 Pannonic sedge juniper-poplar steppe woods
G1.7C73 Pannonic gypsophila juniper-poplar steppe woods
G1.7C8 Sub-Mediterranean and Pannonic mixed woods
G1.7C81 Sub-Mediterranean mixed woods
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G1.7C9 Western Asian wild fruit tree steppe woods
G1.7CA Southern Mediterranean chasm woods
G1.7D *Castanea sativa* woodland
G1.7D1 Helleno-Balkanic *Castanea sativa* forests
G1.7D2 Aegean *Castanea sativa* forests
G1.7D3 Eastern Adriatic *Castanea sativa* forests
G1.7D4 Illyrian *Castanea sativa* forests
G1.7D5 Liguro-Insubrian *Castanea sativa* forests
G1.7D6 Italo-Sicilian *Castanea sativa* forests
G1.7D7 Cyrno-Sardinian *Castanea sativa* forests
G1.7D8 Galloprovincial *Castanea sativa* forests
G1.7D9 Gallo-Iberian *Castanea sativa* forests
G1.7DA Euxinian *Castanea sativa* forests
G1.8 Acidophilous *Quercus*-dominated woodland
G1.81 Atlantic *Quercus robur - Betula* woods
G1.82 Atlantic acidophilous *Fagus - Quercus* forests
G1.821 Sub-Atlantic sessile oak forests
G1.822 Armorican acidophile oak forests
G1.823 Northern dune oak woods
G1.83 Atlantic *Quercus petraea* woods
G1.831 Irish sessile oak woods
G1.832 British sessile oak woods
G1.84 Aquitano-Ligerian *Quercus* forests on podsols
G1.85 Aquitano-Ligerian *Quercus* forests on leached or acid soils
G1.86 Ibero-Atlantic acidophilous *Quercus* forests
G1.861 Pyrenean acidophilous oak forests
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
G1.863 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
G1.87 Medio-European acidophilous *Quercus* forests
G1.871 Woodrush oak forests
G1.8711 Western Hercynian woodrush-hawksbeard oak forests
G1.8712 Central European dyer's greenweed oak forests
G1.87121 Central Hercynian dyer's greenweed oak forests
G1.87122 Peri-Bohemian dyer's greenweed oak forests
G1.87123 Dacian dyer's greenweed oak forests
G1.8713 Pre-Carpathian beech-sessile oak forests
G1.8714 Central European hygrophile acidophilous oak forests
G1.87141 Peri-Bohemian giant moorgrass sessile oak forest
G1.87142 Pre-Carpathian quaking sedge-pedunculate oak forests
G1.87143 Pre-Carpathian purple moorgrass-pedunculate oak forests
G1.872 Western Hercynian thermophile acidophilous oak forests
G1.873 Illyro-Pannonic thermophile acidophilous oak forests
G1.8731 Black broom-oak forests
G1.8732 Wild service tree-oak forests
G1.8733 Illyro-Pannonic chestnut-sessile oak forests
G1.87331 Pre-Carpathian chestnut-sessile oak forests
G1.87332 Illyrian chestnut-sessile oak forests
G1.8734 Illyrian birch-sessile oak acidophilous forests
G1.88 Insubrian acidophilous *Quercus* forests
G1.89 Portuguese *Quercus robur* forests
G1.8A Continental *Quercus petraea* 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
G1.9111 Humid birch woods
G1.91111 Northern humid birch woods
G1.91112 Aquitano-Ligerian humid birch woods
G1.9112 Medio-European dry acidophilous birch woods
G1.9113 Iberian acidophilous birch woods
G1.9114 Insubrian acidophilous birch woods
G1.9115 Heavy-metal birch woods
G1.9116 Dune birch woods
G1.9117 Illyrian birch woods
G1.912 British sub-boreal *Betula* woods
G1.913 Hercynio-Alpine *Betula* woods
G1.9131 Alpine timberline birch woods
G1.9132 Birch block forests
G1.9133 Pyrenean birch woods
G1.9134 Apennine birch woods
G1.9135 Illyro-Moesian montane birch woods
G1.91351 Balkano-Rhodopide birch woods
G1.91352 Dinaro-Pelagonide birch woods
G1.9136 Carpathian birch woods
G1.91361 Carpathian rowan birch woods
G1.91362 Carpathian aspen birch woods
G1.9137 Intra-Carpathian dune oak-birch woods
G1.914 Corsican *Betula* woods
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
G1.916 Mount Etna *Betula* stands
G1.917 Oroboreal *Betula* woods and thickets
G1.9171 Boreo-Atlantic birch woods and thickets
G1.91711 Boreo-Atlantic crowberry-bog bilberry birch woods
G1.91712 Boreo-Atlantic small fern birch woods

G1.91713 Icelandic bog bilberry-hairgrass birch woods
G1.91714 Boreo-Atlantic cranesbill birch woods
G1.9172 Oro-Scandian birch woods
G1.91721 Oro-Scandian crowberry-lichen birch woods
G1.91722 Oro-Scandian bilberry-hairgrass birch woods
G1.91723 Oro-Scandian bilberry-dwarf cornel birch woods
G1.91724 Oro-Scandian small-fern birch woods
G1.91725 Oro-Scandian cranesbill-stone bramble birch woods
G1.91726 Oro-Scandian tall-herb birch woods
G1.91727 Oro-Scandian tall-fern birch woods
G1.918 Eurasian boreal *Betula* woods
G1.919 Siberian steppe *Betula* woods
G1.91A Ponto-Caspian *Betula* woods
G1.92 *Populus tremula* woodland
G1.921 Inner Alpine *Populus tremula* woods
G1.922 Lowland nemoral *Populus tremula* woods
G1.923 Montane *Populus tremula* stands
G1.924 Sub-Mediterranean *Populus tremula* stands
G1.925 Boreal *Populus tremula* woods
G1.926 Anatolian *Populus tremula* forests
G1.93 *Sorbus aucuparia* woodland
G1.94 Inland dune *Quercus* - *Betula* woods
G1.95 *Populus tremula* and *Betula* woods with *Sambucus*
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.A11 Mixed Atlantic *Quercus* forests with *Hyacinthoides non-scripta*
G1.A12 Aquitanian *Fraxinus* - *Quercus* and *Quercus* - *Carpinus betulus* forests
G1.A13 Sub-Atlantic *Fraxinus* - *Quercus* forests with *Primula elatior*
G1.A131 Arum ash-oak forests
G1.A132 Corydalis ash-oak forests
G1.A133 Garlic ash-oak forests
G1.A14 Sub-Atlantic *Quercus* - *Carpinus betulus* forests with *Stellaria*
G1.A141 Northwestern oak-hornbeam forests
G1.A142 Lorraine marl oak-hornbeam forests
G1.A143 Burgundy collinar oak-hornbeam forests
G1.A144 Burgundy plain oak-hornbeam forests
G1.A15 Famennian *Quercus* - *Carpinus betulus* forests
G1.A16 Sub-continental *Quercus* - *Carpinus betulus* forests
G1.A161 Wood bedstraw oak-hornbeam forests
G1.A162 Mixed lime-oak-hornbeam forests
G1.A163 Boreonemoral spruce-lime-oak-hornbeam forests
G1.A164 Peri-Carpathian lime-oak-hornbeam forests
G1.A165 Bohemian oak-hornbeam and oak-lime forests
G1.A166 Carpathian hairy sedge oak-hornbeam forests
G1.A167 Sub-Pannonic primrose oak-hornbeam forests
G1.A168 Central sub-Carpathian oak-hornbeam forests
G1.A1681 Waldsteinia oak-hornbeam forests
G1.A1682 Scorpion-vetch oak-hornbeam forests
G1.A169 Western boreal mixed deciduous forests
G1.A16A Northern middle Russian oak-lime forests
G1.A17 Sub-Atlantic calciphile *Quercus* - *Carpinus betulus* forests
G1.A171 Sub-Atlantic calciphile privet oak-hornbeam forests
G1.A172 Sub-Atlantic xerophile *Anthericum* oak-hornbeam forests
G1.A173 Sub-Atlantic calciphile squill ash-oak forests
G1.A18 Southern Alpine *Quercus* - *Carpinus betulus* forests
G1.A19 Pyreneo-Cantabrian *Quercus* - *Fraxinus* forests
G1.A1A Illyrian *Quercus* - *Carpinus betulus* forests
G1.A1A1 Illyrian sessile oak-hornbeam forests
G1.A1A11 Illyrian calcicline sessile oak-hornbeam forests
G1.A1A12 Illyrian neutrocline sessile oak-hornbeam forests

G1.A1A13 Illyrian acidocline sessile oak-hornbeam forests
G1.A1A2 Illyrian pedunculate oak-hornbeam forests
G1.A1A3 Illyrian sub-Mediterranean oak-hornbeam forests
G1.A1B Pannonic *Quercus - Carpinus betulus* forests
G1.A1B1 Pannonic hygrophile ash-oak-hornbeam forests
G1.A1B2 Peri-Pannonic acidophile oak-hornbeam forests
G1.A1C Southeastern European *Quercus - Carpinus betulus* forests
G1.A1C1 Dacian oak-hornbeam forests
G1.A1C11 Dacian *Melampyrum biharense* oak-hornbeam forests
G1.A1C12 Dacian *Lathyrus hallersteinii* oak-hornbeam forests
G1.A1C13 Dacian tatar maple oak-hornbeam forests
G1.A1C2 Moldo-Muntenian oak-lime-hornbeam forests
G1.A1C3 Moesian oak-hornbeam forests
G1.A1C31 Moesian mesophile oak-hornbeam forests
G1.A1C32 Moesian thermophile oak-hornbeam forests
G1.A1C321 Pre-Moesian *Galium kitaibelianum* oak-hornbeam forests
G1.A1C322 Moesian *Quercus cerris* oak-hornbeam forests
G1.A1C4 Southern Sarmatic oak-lime-hornbeam forests
G1.A1C41 Podolic pedunculated oak-hornbeam forests
G1.A1C42 Moldavian spindle oak-hornbeam forests
G1.A2 Non-riverine *Fraxinus* woodland
G1.A21 *Fraxinus - Sorbus aucuparia - Mercurialis perennis* forests
G1.A22 British *Fraxinus - Acer campestre - Mercurialis perennis* forests
G1.A23 Pyreneo-Cantabrian *Fraxinus* forests
G1.A24 Baltic *Fraxinus - Acer pseudoplatanus* forests with *Adoxa moschatellina*
G1.A25 Mixed Atlantic *Fraxinus* forests with *Hyacinthoides non-scripta*
G1.A26 Aquitanian *Fraxinus* forests
G1.A27 Sub-Atlantic *Fraxinus* forests
G1.A28 Lutetian calciphile *Fraxinus* forests
G1.A29 Post-cultural *Fraxinus* woods
G1.A3 *Carpinus betulus* woodland
G1.A31 Western *Carpinus betulus* woodland
G1.A32 Eastern *Carpinus betulus* woodland
G1.A321 Illyrian hornbeam forests
G1.A322 Dacio-Moesian hornbeam forests
G1.A323 Sarmatic hornbeam forests
G1.A4 Ravine and slope woodland
G1.A41 Medio-European ravine forests
G1.A411 Calcicline ash-sycamore ravine forests
G1.A4111 Hartstongue ash-sycamore ravine forests
G1.A4112 Honesty ash-sycamore ravine forests
G1.A4113 Corydalis ash-sycamore ravine forests
G1.A4114 Goatsbeard ash-sycamore ravine forests
G1.A4115 Alpine hepatica-sycamore ravine forests
G1.A412 Acidophile ash-sycamore-lime ravine forests
G1.A413 Tall herb mixed sycamore forests
G1.A42 Hercynian slope forests
G1.A43 Peri-Alpine mixed *Fraxinus - Acer pseudoplatanus* slope forests
G1.A44 Pyreneo-Cantabrian mixed *Ulmus - Quercus* forests
G1.A45 Thermophilous Alpine and peri-Alpine mixed *Tilia* forests
G1.A451 Northern Alpine föhn ash-lime forests
G1.A452 Dealpine mixed thermophile oak-maple-lime forests
G1.A453 Southern Alpine mixed lime forests
G1.A454 Sub-Pannonic mixed lime slope forests
G1.A4541 Sub-Pannonic mixed ash-lime slope forests
G1.A4542 Sub-Pannonic mixed whitebeam-lime forests
G1.A46 Southeastern European ravine forests
G1.A461 Hellenic ravine and slope forests
G1.A462 Moesian ravine and slope forests
G1.A4621 Moesian beech-ash-sycamore ravine forests

G1.A46211 Moesian *Geranium macrorrhizum* ravine forests
G1.A46212 Moesian beech-hornbeam-ostrya ravine forests
G1.A46213 Moesian ash-sycamore ravine forests
G1.A4622 Moesian horse-chestnut ravine forests
G1.A46221 Balkan Range horse-chestnut ravine forests
G1.A46222 Pelagonid horse-chestnut ravine forests
G1.A4623 Moesian ash-oak slope forests
G1.A46231 Balkan ash-oak slope forests
G1.A46232 Rhodopid ash-oak-ostrya slope forests
G1.A463 Illyrian ravine forests
G1.A464 Eastern Carpathian ravine forests
G1.A4641 Dacian *Phyllitis* beech ravine forests
G1.A4642 Dacian ash-sycamore ravine forests
G1.A4643 Dacian *Geranium macrorrhizum* beech ravine forests
G1.A47 Euxinian ravine forests
G1.A5 *Tilia* woodland
G1.A51 Western *Tilia* forests
G1.A52 Sub-boreal *Tilia* forests
G1.A53 East-European *Tilia* forests
G1.A54 Trans-Volgan *Tilia* forests
G1.A55 Crimean *Tilia* forests
G1.A6 Non-riverine *Ulmus* woodland
G1.A61 *Ulmus minor* woods
G1.A611 Sweet violet elm woods
G1.A612 Thermo-Atlantic elm woods
G1.A613 British suckering elm woods
G1.A614 Sub-continental field elm woods
G1.A62 *Ulmus glabra* and *Ulmus laevis* woods
G1.A7 Mixed deciduous woodland of the Black and Caspian Seas
G1.A71 Euxinian mixed mesic forests
G1.A711 Western Euxinian mixed forests
G1.A7111 Thracio-Euxinian mixed forests
G1.A72 Sub-Euxinian mixed *Quercus* - *Carpinus betulus* forests
G1.A73 Caucasian *Quercus* - *Carpinus betulus* forests
G1.A74 Hyrcanian mixed mesic forests
G1.A8 Eurosiberian maple woods
G1.B Non-riverine *Alnus* woodland
G1.B1 *Alnus cordata* woods
G1.B2 Nemoral *Alnus* woods
G1.B21 Atlantic *Alnus glutinosa* woods
G1.B22 Central European dry alder woods
G1.B23 Sarmatic dry alder woods
G1.B24 Rhodopide grey alder woods
G1.B3 Boreal and boreonemoral *Alnus* woods
G1.B31 Boreal *Alnus glutinosa* woods
G1.B32 Boreal *Alnus incana* 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.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.D5 Other high-stem orchards

G2 Broadleaved evergreen woodland

G2.1 Mediterranean evergreen *Quercus* woodland
- **G2.11** *Quercus suber* woodland
  - **G2.111** Tyrrhenian *Quercus suber* forests
    - **G2.1111** Provençal cork-oak woodland
    - **G2.1112** Corsican cork-oak woodland
    - **G2.1113** Sardinian cork-oak forests
    - **G2.1114** Central Italian cork-oak forests
    - **G2.1115** Southern Italian cork-oak forests
    - **G2.1116** Catalan cork-oak woodland
    - **G2.1117** Valencian cork-oak woodland
    - **G2.1118** Balearic cork-oak woodland
  - **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
  - **G2.113** Northwestern Iberian *Quercus suber* woodland
  - **G2.114** Aquitanian *Quercus suber* woodland
- **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
    - **G2.1213** Catalo-Provencal hill holm-oak forest
    - **G2.1214** Balearic holm-oak forests
    - **G2.1215** Corsican lowland holm-oak woodland
    - **G2.1216** Corsican hill holm-oak woodland
    - **G2.1217** Sardinian holm-oak forests
    - **G2.1218** Northern and central Italian holm-oak forests
    - **G2.1219** Illyrian holm-oak woodland
    - **G2.121A** Southern Italian holm-oak forests
    - **G2.121B** Pantellerian and Maltese holm-oak woodland
    - **G2.121C** Greek holm-oak woodland
    - **G2.121D** Cretan holm-oak woodland
  - **G2.122** Supra-Mediterranean *Quercus ilex* forests
  - **G2.123** Aquitanian *Quercus ilex* woodland
  - **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
    - **G2.1242** 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
    - **G2.1246** Balearic *Quercus rotundifolia* woodland
- **G2.13** *Quercus coccifera* and *Quercus alnifolia* woodland
  - **G2.131** Greek *Quercus coccifera* forests
  - **G2.132** Italian *Quercus coccifera* woodland
  - **G2.133** Portuguese *Quercus coccifera* forest

G2.134 Cyprian *Quercus coccifera* forest
G2.135 Anatolian *Quercus coccifera* forest
G2.136 Cyprian *Quercus alnifolia* forests
G2.2 Eurasian continental sclerophyllous woodland
G2.21 Mediterraneo-Atlantic *Laurus* - *Quercus* woodland
G2.22 Ponto-Hyrcanian sclerophyllous forests
G2.3 Macaronesian *Laurus* woodland
G2.31 Azorean laurisilvas
G2.32 Madeiran laurisilvas
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
G2.51 Cretan *Phoenix theophrasti* groves
G2.52 Canary Island *Phoenix canariensis* groves
G2.53 Anatolian *Phoenix theophrasti* groves
G2.6 *Ilex aquifolium* woods
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
G2.9 Evergreen orchards and groves
G2.91 *Olea europaea* groves
G2.92 Citrus orchards
G2.93 *Phoenix* plantations
G2.94 Other evergreen orchards

G3 Coniferous woodland

G3.1 *Abies* and *Picea* woodland
G3.11 Neutrophile medio-European *Abies* forests
G3.111 Inner Alpine neutrophile fir forests
G3.1111 Sorrel fir forests
G3.1112 Tall herb fir forests
G3.1113 Trochischantes fir forests
G3.112 Neutrophile Hercynio-Alpine fir forests
G3.1121 Peri-Alpine neutrophile fir forests
G3.11211 Peri-Alpine neutrophile spruce fir forests
G3.11212 Peri-Alpine neutrophile beech fir forests
G3.1122 Illyrian neutrophile fir forests
G3.11221 Illyrian neutrophile spruce fir forests
G3.11222 Illyrian neutrophile beech fir forests
G3.1123 Dacian neutrophile montane fir forests
G3.113 Pyrenean fir forests
G3.114 East Carpathian high montane fir forests
G3.12 Calciphilous *Abies alba* forests
G3.121 Inner Alpine calcicolous fir forests
G3.122 Outer Alpine calcicolous fir forests
G3.123 Jurasso-Hercynian calcicolous fir forests
G3.124 Dinaric calcareous block fir forests

G3.13 Acidophilous *Abies alba* forests
G3.131 Inner Alpine acidophile fir forests
G3.132 Acidophile Hercynio-Alpine fir forests
G3.1321 Peri-Alpine acidophile fir forests
G3.1322 Illyrian acidophile fir forests
G3.1323 Dacian acidophile beech fir forests
G3.133 Alpenrose fir forests
G3.1331 Pyrenean alpenrose fir forest
G3.1332 Alpine alpenrose fir forests
G3.1333 Block alpenrose fir forests
G3.134 Holy Cross fir forests
G3.135 *Bazzania* fir forests
G3.14 Corsican *Abies alba* forests
G3.15 Southern Apennine *Abies alba* forests
G3.16 Moesian *Abies alba* forests
G3.161 Rhodopide fir forests
G3.1611 Falakron silver fir forests
G3.1612 Rhodope fir forests
G3.1613 Western Rhodopide fir forests
G3.162 Moeso-Macedonian fir forests
G3.163 Balkan Range fir forests
G3.164 Pelagonide silver fir forests
G3.17 Balkano-Pontic *Abies* forests
G3.171 King Boris's fir forests
G3.172 Bornmueller's fir forests
G3.173 Nordmann's fir forests
G3.18 Aegean *Abies* forests
G3.181 Grecian fir forests
G3.182 Trojan fir forests
G3.19 *Abies pinsapo* forests
G3.191 Ronda pinsapo fir forests
G3.192 Bermeja pinsapo fir forests
G3.1A Relict *Abies nebrodensis* stands
G3.1B Alpine and Carpathian subalpine *Picea* forests
G3.1B1 Bilberry spruce forests
G3.1B2 Tall herb subalpine spruce forests
G3.1B21 *Adenostyles glabra* subalpine spruce forests
G3.1B22 *Adenostyles alliariae* subalpine spruce forests
G3.1B3 Moist subalpine spruce forests
G3.1B4 Xerophile subalpine spruce forests
G3.1B5 Cold station spruce forests
G3.1B6 Carpathian spruce forests
G3.1B61 Western Carpathian subalpine spruce forests
G3.1B611 Western Carpathian acidophilous spruce forests
G3.1B612 Carpathian holly-fern spruce forests
G3.1B62 Eastern Carpathian subalpine spruce forests
G3.1B621 Carpathian subalpine rhododenron spruce forests
G3.1B622 Carpathian subalpine Bruckenthalia spruce forests
G3.1B623 Carpathian high montane *Hieracium* spruce forests
G3.1B624 Carpathian high montane *Bazzania* spruce forests
G3.1B625 Carpathian *Leucanthemum* high montane spruce forests
G3.1C Inner range montane *Picea* forests
G3.1C1 Acidophile montane inner Alpine spruce forests
G3.1C2 Calciphile montane inner Alpine spruce forests
G3.1C3 Bedstraw montane inner Alpine spruce forests
G3.1C4 Tall herb montane inner Alpine spruce forests
G3.1C5 Peatmoss montane inner Alpine spruce forests
G3.1C6 Inner Carpathian spruce forests
G3.1D Hercynian subalpine *Picea* forests
G3.1D1 Subalpine spruce forests of the Bayerischer Wald

G3.1D2 Subalpine spruce forests of the Harz and Erzgebirge
G3.1D3 Subalpine spruce forests of the Sudeten
G3.1E Southern European *Picea abies* forests
G3.1E1 Southeastern Moesian *Picea abies* forests
G3.1E11 Aegeo-Rhodopean spruce forests
G3.1E12 Central Rhodopide spruce forests
G3.1E13 Moeso-Macedonian spruce forests
G3.1E2 Apennine spruce forests
G3.1E3 Montenegrine *Picea abies* forests
G3.1E4 Pelagonide *Picea abies* forests
G3.1E5 Balkan Range *Picea abies* forests
G3.1F Enclave *Picea abies* forests
G3.1F1 Subalpine Jura spruce forests
G3.1F2 Subalpine Black Forest spruce forests
G3.1F3 Peri-Alpine bazzania spruce forests
G3.1F4 Hercynio-Alpine montane spruce forests
G3.1F41 Medio-European montane spruce forests
G3.1F42 Illyrio-Alpine montane beech spruce forests
G3.1F43 Dacian beech-spruce forests
G3.1F5 Dinaric spruce forests
G3.1F51 Illyro-Dinaric cold station spruce forests
G3.1F52 Dinaric dolomite spruce forests
G3.1F53 Dinaric acidophilous spruce forests
G3.1F54 Moeso-Dinaric spruce forests
G3.1G *Picea omorika* forests
G3.1H *Picea orientalis* forests
G3.1I *Abies* reforestation
G3.1I1 *Abies alba* reforestation
G3.1I2 *Abies borisii-regis* reforestation
G3.1I3 *Abies cephalonica* reforestation
G3.1I4 *Abies pinsapo* reforestation
G3.1I5 *Abies nebrodensis* reforestation
G3.1J *Picea abies* reforestation
G3.2 Alpine *Larix* - *Pinus cembra* woodland
G3.21 Eastern Alpine siliceous *Larix* and *Pinus cembra* forests
G3.22 Eastern Alpine calcicolous *Larix* and *Pinus cembra* forests
G3.23 Western *Larix*, mountain pine and *Pinus cembra* forests
G3.24 Alpine secondary *Larix* formations
G3.25 Carpathian *Larix* and *Pinus cembra* forests
G3.251 Western Carpathian larch and arolla forests
G3.252 Inner Carpathian larch and arolla forests
G3.253 Eastern Carpathian larch and arolla forests
G3.2531 Eastern Carpathian larch forests
G3.2532 Eastern Carpathian arolla forests
G3.26 *Larix polonica* forests
G3.3 *Pinus uncinata* woodland
G3.31 *Pinus uncinata* forests with *Rhododendron ferrugineum*
G3.311 Outer Alpine alpenrose mountain pine forests
G3.312 Jura alpenrose mountain pine forests
G3.313 Pyrenean alpenrose mountain pine forests
G3.32 Xerocline *Pinus uncinata* forests
G3.321 Inner Alpine mountain pine forests
G3.322 Outer Alpine juniper-bearberry mountain pine forests
G3.323 Ventoux mountain pine woods
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
G3.41 Caledonian forest
G3.411 Heather Caledonian forest
G3.412 Bilberry Caledonian forest
G3.413 Moss Caledonian forest
G3.414 Woodrush Caledonian forest
G3.415 Peatmoss Caledonian forest
G3.42 Middle European *Pinus sylvestris* forests
G3.421 Subcontinental Scots pine forests
G3.4211 Central European Scots pine forests
G3.42111 Subcontinental moss Scots pine forests
G3.42112 Subcontinental lichen Scots pine forests
G3.42113 Subcontinental moorgrass Scots pine forests
G3.42114 Subcontinental saw-wort Scots pine forests
G3.4212 Western lowland Scots pine forests
G3.422 Hercynian Scots pine forests
G3.4221 Eastern Hercynian Scots pine forests
G3.4222 Black Forest Scots pine forests
G3.4223 Vosges Scots pine forests
G3.4224 Luxembourg sandstone Scots pine forests
G3.4225 Pale hawkweed Scots pine forests
G3.4226 Lower Austrian block heath pine woods
G3.423 Western Eurasian steppe pine forests
G3.4231 Rhine steppe pine forests
G3.4232 Sarmatic steppe *Pinus sylvestris* forests
G3.4233 Carpathian steppe *Pinus sylvestris* woods
G3.4234 Pannonic steppe *Pinus sylvestris* woods
G3.424 Baltic dune Scots pine woods
G3.425 Eastern Alpine acidophilous Scots pine woods
G3.43 Inner-Alpine *Ononis* steppe forests
G3.44 Spring heath *Pinus sylvestris* forests
G3.441 Alpine spring heath Scots pine forests
G3.442 Carpathian relict calcicolous *Pinus sylvestris* forests
G3.45 Inner Alpine *Minuartia laricifolia* steppe forests
G3.46 Pyrenean mesophile *Pinus sylvestris* forests
G3.461 Pyrenean calcicolous mesophile Scots pine forests
G3.462 Pyrenean siliceous mesophile Scots pine forests
G3.47 Central Massif *Pinus sylvestris* forests
G3.48 Southwestern Alpine mesophile *Pinus sylvestris* forests
G3.49 Supra-Mediterranean *Pinus sylvestris* forests
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
G3.4B Iberian silicicolous *Pinus sylvestris* forests
G3.4B1 Pyrenean xerophile Scots pine forests
G3.4B2 Iberian-Range silicicolous Scots pine forests
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
G3.4C Southeastern European *Pinus sylvestris* forests
G3.4C1 Thessalo-Macedonian Scots pine forests
G3.4C2 Rhodopide Scots pine forests
G3.4C3 Balkan Range Scots pine forests
G3.4C4 Southwestern Moesian Scots pine forests
G3.4C41 Moeso-Macedonian Scots pine forests

G3.4C42 Pelagonian Scots pine forests
G3.4C5 Dinaric spring heath Scots pine forests
G3.4C51 Dinaric serpentine Scots pine forests
G3.4C52 Dinaric dolomite Scots pine forests
G3.4C6 Dinaric calcicole Scots pine forests
G3.4C7 Dinaric acidophile Scots pine forests
G3.4C8 East Carpathian *Sesleria* Scots pine forests
G3.4C9 East Carpathian bilberry Scots pine forests
G3.4CA East Carpathian *Daphne blagayana* Scots pine forests
G3.4D Po terrace *Pinus sylvestris* forests
G3.4E Ponto-Caucasian *Pinus sylvestris* forests
G3.4F European *Pinus sylvestris* reforestation
G3.5 *Pinus nigra* woodland
G3.51 Alpino-Apennine *Pinus nigra* forests
G3.511 Southern Alpine *Pinus nigra* forests
G3.512 Apennine *Pinus nigra* forests
G3.513 Lower Austrian *Pinus nigra* forests
G3.514 Northwestern Adriatic *Pinus nigra* forests
G3.52 Western Balkanic *Pinus nigra* forests
G3.521 Dinaro-Pelagonian *Pinus nigra* forests
G3.5211 Moeso-Hellenic montane *Pinus nigra* forests
G3.5212 Illyrian serpentine *Pinus nigra* forests
G3.5213 Illyrian limestone *Pinus nigra* forests
G3.5214 Illyrian dolomite *Pinus nigra* forests
G3.5215 Illyrian sub-Mediterranean *Pinus nigra* forests
G3.522 *Pinus dalmatica* forests
G3.53 *Pinus salzmannii* forests
G3.531 Causses Salzmann's pine 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
G3.536 Baetic Salzmann's pine forests
G3.5361 Supra-Mediterranean Baetic Salzmann's pine forests
G3.5362 Oro-Mediterranean Baetic Salzmann's pine forests
G3.54 Corsican *Pinus laricio* forests
G3.55 Calabrian *Pinus laricio* forests
G3.56 *Pinus pallasiana* and *Pinus banatica* forests
G3.561 Helleno-Balkanic Pallas' pine forests
G3.5611 Taygetos Pallas' pine forests
G3.5612 Parnon Pallas' pine forests
G3.5613 Northern Peloponnese Pallas' pine forests
G3.5614 Southern Pindus Pallas' pine forests
G3.5615 Olympian Pallas' pine forests
G3.5616 Central Pindus Pallas' pine forests
G3.5617 Pelagonide Pallas' pine forests
G3.5618 Rhodopide Pallas' pine forests
G3.5619 Balkan Range Pallas' pine forests
G3.561A Moeso-Macedonian Pallas' pine forests
G3.561B Aegean Pallas' pine forests
G3.562 Banat pine forests
G3.563 Cyprian Pallas' pine forests
G3.564 Anatolian Pallas' pine forests
G3.57 *Pinus nigra* reforestation
G3.6 Subalpine mediterranean *Pinus* woodland
G3.61 *Pinus leucodermis* forests
G3.611 Italian white-barked pine forests
G3.612 Pindus white-barked pine forests
G3.613 Olympus white-barked pine forests
G3.614 Pelagonide white-barked pine forests

G3.615 South Dinaric white-barked pine forests
G3.616 Rhodopide white-barked pine forests
G3.62 *Pinus peuce* woods
G3.621 Pelagonide Macedonian pine woods
G3.622 Southern Dinaric Macedonian pine woods
G3.623 Rila and Pirin Macedonian pine forests
G3.624 Rhodope Macedonian pine woods
G3.625 Balkan Macedonian pine woods
G3.7 Lowland to montane mediterranean *Pinus* woodland (excluding *Pinus nigra*)
G3.71 Maritime *Pinus pinaster ssp. atlantica* forests
G3.711 Charente *Pinus pinaster ssp. atlantica - Quercus ilex* forests
G3.712 Aquitanian *Pinus pinaster ssp. atlantica - Quercus suber* forests
G3.713 Landes maritime pine plantations
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
G3.7214 Cazorlan mesogean pine forests
G3.7215 Southern Andalusian mesogean pine forests
G3.7216 Leonese mesogean pine forests
G3.7217 Catalonian mesogean pine forests
G3.722 Corbières mesogean pine forests
G3.723 Franco-Italian mesogean pine forests
G3.724 Corsican mesogean pine forests
G3.725 Sardinian mesogean pine forests
G3.726 Pantellerian mesogean pine forests
G3.73 *Pinus pinea* forests
G3.731 Iberian stone pine forests
G3.7311 Western Andalusian stone pine forests
G3.7312 Lusitanian 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
G3.733 Provence stone pine woods
G3.734 Corsican stone pine woods
G3.735 Sardinian stone pine forests
G3.736 Sicilian stone pine forests
G3.737 Italic stone pine forests
G3.738 Hellenic stone pine forests
G3.739 Albanian stone pine forests
G3.73A Dalmatian stone pine forests
G3.73B Pontic stone pine forests
G3.73C Mediterranean Anatolian stone pine forests
G3.74 *Pinus halepensis* forests
G3.741 Iberian *Pinus halepensis* forests
G3.742 Balearic *Pinus halepensis* forests
G3.743 Provenço-Ligurian *Pinus halepensis* forests
G3.744 Corsican *Pinus halepensis* woods
G3.745 Sardinian *Pinus halepensis* woods
G3.746 Sicilian *Pinus halepensis* woods
G3.747 Italic *Pinus halepensis* forests
G3.7471 Gargano *Pinus halepensis* forests
G3.7472 Metapontine *Pinus halepensis* forests
G3.7473 Umbrian *Pinus halepensis* forests
G3.748 Hellenic *Pinus halepensis* forests

G3.749 Illyrian *Pinus halepensis* forests
G3.74A East Mediterranean *Pinus halepensis* forests
G3.75 *Pinus brutia* forests
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*
G3.91 Western Palaearctic *Cupressus* forests
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
G3.928 Southern Alpine Spanish juniper woods
G3.929 Isère Spanish juniper woods
G3.92A Corsican Spanish juniper woods
G3.93 Greek *Juniperus excelsa* woods
G3.931 Northern Hellenic Grecian juniper woods
G3.932 Peri-Rhodopide Grecian juniper woods
G3.933 Paeonian Grecian juniper woods
G3.934 Cyprian Grecian juniper woods
G3.935 Anatolian Grecian juniper woods
G3.94 *Juniperus foetidissima* woods
G3.95 *Juniperus drupacea* woods
G3.96 *Tetraclinis articulata* forests
G3.97 Western Palaearctic *Taxus baccata* woods
G3.971 Atlantic *Taxus baccata* woods
G3.972 Corsican yew woods
G3.973 Sardinian yew woods
G3.974 Italic yew woods
G3.975 Iberian yew woods
G3.976 Provence yew woods
G3.977 Alpino-Carpathian yew woods
G3.978 Dinaric yew woods
G3.979 Baltic yew woods
G3.97A Vitosha yew woods

G3.98 Macaronesian *Juniperus* woods
G3.981 Canary Island juniper woods
G3.982 Azorean juniper woods
G3.983 Macaronesian Phoenician juniper woods
G3.99 *Juniperus oxycedrus* woods
G3.9A *Juniperus phoenicea* woods
G3.9B Hyrcanian *Platycladus orientalis* (*Thuja orientalis*) forests
G3.9C *Cedrus* woodland
G3.9C1 *Cedrus libani* forests
G3.9C11 Lycian Taurus *Cedrus libani* forests
G3.9C12 Central Taurus *Cedrus libani* forests
G3.9C13 Paphlagonian *Cedrus libani* forests
G3.9C2 *Cedrus brevifolia* forests
G3.A *Picea* taiga woodland
G3.A1 *Vaccinium myrtillus* western *Picea* taiga
G3.A11 Subcontinental bilberry western spruce taiga
G3.A12 Suboceanic bilberry western spruce taiga
G3.A13 Continental bilberry western spruce taiga
G3.A14 Boreo-nemoral bilberry western spruce taiga
G3.A2 Fern western *Picea* taiga
G3.A21 Small fern western spruce taiga
G3.A211 Subcontinental small fern western spruce taiga
G3.A212 Suboceanic small fern western spruce taiga
G3.A213 Continental small fern western spruce taiga
G3.A22 Tall fern western spruce taiga
G3.A3 Small-herb western *Picea* taiga
G3.A31 Subcontinental small-herb western spruce taiga
G3.A32 Suboceanic small-herb western spruce taiga
G3.A33 Continental small-herb western spruce taiga
G3.A34 Boreo-nemoral small-herb western spruce taiga
G3.A4 Tall-herb western *Picea* taiga
G3.A41 Northern subcontinental tall-herb spruce taiga
G3.A42 Southern subcontinental tall-herb spruce taiga
G3.A43 Oceanic tall-herb birch-spruce taiga
G3.A44 Continental tall-herb western spruce taiga
G3.A5 Pretundra *Picea obovata* taiga
G3.B *Pinus* taiga woodland
G3.B1 *Calluna vulgaris* - *Empetrum* western taiga
G3.B11 Ling-crowberry birch-spruce-pine taiga
G3.B12 Barbilophozia birch-pine taiga
G3.B13 Oceanic Bazzania pine taiga
G3.B2 *Vaccinium vitis-idaea Pinus* and *Picea* - *Pinus* taiga
G3.B3 Herb-rich and grassy pine taiga
G3.B4 Lichen *Pinus* taiga
G3.B41 Maritime lichen pine taiga
G3.B42 Southern boreal continental lichen pine taiga
G3.B43 Northern boreal lichen pine taiga
G3.B44 Boreal rock-outcrop pine woodland
G3.C *Larix* taiga woodland
G3.C1 *Larix russica* taiga
G3.D Boreal bog conifer woodland
G3.D1 Boreal *Pinus sylvestris* bog woods
G3.D11 Boreal Labrador tea Scots pine bog woods
G3.D12 Boreal heath Scots pine bog woods
G3.D121 Boreal ling Scots pine bog woods
G3.D122 Boreal cowberry Scots pine bog woods
G3.D123 Boreal bog rosemary Scots pine bog woods
G3.D13 Boreal cottonsedge Scots pine bog woods
G3.D2 Boreal sphagnum *Pinus sylvestris* fen woods
G3.D21 Boreal globe sedge Scots pine fen woods

G3.D22 Boreal dwarf scrub Scots pine fen woods
G3.D222 Boreal leatherleaf Scots pine fen woods
G3.D223 Boreal bog bilberry Scots pine fen woods
G3.D23 Boreal neutrocline sphagnum Scots pine fen woods
G3.D3 Boreal brown moss *Pinus sylvestris* fen woods
G3.D4 Boreal *Picea* and *Picea - Betula* fen and bog woods
G3.D41 Boreal acidophile sphagnum spruce woods
G3.D42 Boreal neutrocline sphagnum spruce woods
G3.D43 Boreal brown moss spruce fen woods
G3.D5 Boreal *Picea* swamp woods
G3.D51 Boreal fern spruce swamp woods
G3.D52 Boreal tall-herb spruce swamp woods
G3.D53 Boreal sedge-sphagnum spruce swamp woods
G3.D54 Boreal heath-horsetail spruce swamp woods
G3.D541 Boreal northern bilberry spruce swamp woods
G3.D542 Boreal cloudberry spruce swamp woods
G3.D543 Boreal horsetail spruce swamp woods
G3.E Nemoral bog conifer woodland
G3.E1 *Pinus mugo* bog woods
G3.E2 Nemoral *Pinus sylvestris* mire woods
G3.E21 Northern bilberry Scots Pine mire woods
G3.E211 Inland northern bilberry Scots Pine mire woods
G3.E212 Coastal northern bilberry Scots Pine mire woods
G3.E22 Hercynian Scots pine mire woods
G3.E23 Small reed Scots pine mire woods
G3.E3 Balkan *Pinus sylvestris* mire woods
G3.E31 Illyrian Scots pine mire woods
G3.E32 Moesian Scots pine mire woods
G3.E4 Steppe *Pinus sylvestris* mire woods
G3.E5 Nemoral peatmoss *Picea* woods
G3.E51 Peri-Alpine peatmoss spruce woods
G3.E52 Sub-boreal fen spruce woods
G3.E6 Nemoral bog *Picea* woods
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

G4 Mixed deciduous and coniferous woodland

G4.1 Mixed swamp woodland
G4.2 Mixed taiga woodland with *Betula*
G4.3 Mixed sub-taiga woodland with acidophilous *Quercus*
G4.31 Boreonemoral lichen-dwarf shrub mixed forests
G4.32 Boreonemoral heath-grass mixed forests
G4.33 Boreonemoral herb-rich mixed forests
G4.4 Mixed *Pinus sylvestris - Betula* woodland
G4.5 Mixed *Pinus sylvestris - Fagus* woodland
G4.6 Mixed *Abies - Picea - Fagus* woodland
G4.7 Mixed *Pinus sylvestris* - acidophilous *Quercus* woodland
G4.71 Subcontinental nemoral *Pinus - Quercus* forests
G4.711 Northeastern pine-oak forests
G4.7111 Northeastern bilberry-smallreed pine-oak forests
G4.7112 Northeastern aspen pine-oak forests
G4.712 Cowberry pine-oak forests
G4.713 Sheep fescue pine-oak forests

G4.72 Continental nemoral *Pinus* - *Quercus* forests
G4.8 Mixed non-riverine deciduous and coniferous woodland
G4.9 Mixed deciduous woodland with *Cupressaceae* or *Taxaceae*
G4.A Mixed woodland with *Cupressaceae*, *Taxaceae* and evergreen oak
G4.B Mixed mediterranean *Pinus* - thermophilous *Quercus* woodland
G4.C Mixed *Pinus sylvestris* - thermophilous *Quercus* woodland
G4.D Mixed *Pinus nigra* - evergreen *Quercus* woodland
G4.E Mixed mediterranean pine - evergreen oak woodland
G4.F Mixed forestry plantations

G5 Lines of trees, small anthropogenic woodlands, recently felled woodland, early-stage woodland and coppice

G5.1 Lines of trees
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
G5.62 Mixed scrub woodland
G5.63 Coniferous scrub woodland
G5.64 Raised bog pre-woods
G5.7 Coppice and early-stage plantations
G5.71 Coppice
G5.72 Early-stage broadleaved deciduous plantations
G5.73 Early-stage broadleaved evergreen plantations
G5.74 Early-stage coniferous plantations
G5.75 Early-stage mixed broadleaved and coniferous plantations
G5.76 Trees planted for early whole-tree harvesting
G5.8 Recently felled areas
G5.81 Recently felled areas, formerly broadleaved trees
G5.82 Recently felled areas, formerly coniferous trees
G5.83 Recently felled areas, formerly mixed broadleaved and coniferous trees
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
H1.21 Troglobiont vertebrate caves
H1.211 *Proteus anguinus* caves
H1.212 Troglobiont fish caves
H1.22 Subtroglophile vertebrate caves
H1.221 Continental subtroglophile vertebrate caves
H1.222 Insular subtroglophile vertebrate caves
H1.23 Troglobiont invertebrate caves
H1.231 Troglobiont invertebrate temperate caves
H1.232 Troglobiont invertebrate ice caves
H1.233 Troglobiont invertebrate hydrothermal caves
H1.234 Troglobiont invertebrate sulphur caves
H1.24 Troglophile invertebrate caves
H1.25 Subtroglophile invertebrate caves
H1.26 Caves without vertebrates or invertebrates
H1.3 Dark underground passages

H1.4 Lava tubes
H1.41 Icelandic lava tubes
H1.42 Macaronesian lava tubes
H1.43 Tethyan lava tubes
H1.5 Underground standing waterbodies
H1.51 Permanent underground standing waterbodies
H1.52 Temporary underground standing waterbodies
H1.6 Underground running waterbodies
H1.61 Permanent underground running waterbodies
H1.62 Temporary underground running waterbodies
H1.7 Disused underground mines and tunnels

H2 Screes

H2.1 Cold siliceous screes
H2.2 Cold limestone screes
H2.3 Temperate-montane acid siliceous screes
H2.31 Alpine siliceous screes
H2.311 Mountain sorrel screes
H2.3111 Alpine mountain sorrel screes
H2.3112 Southwestern Alpine mountain sorrel screes
H2.3113 Pyrenean mountain sorrel screes
H2.3114 Corsican mountain sorrel screes
H2.3115 Carpathian mountain sorrel screes
H2.3116 Rhodopide mountain sorrel screes
H2.312 Rock jasmine screes
H2.313 Brown woodrush screes
H2.3131 Alpine woodrush screes
H2.3132 Carpathian woodrush screes
H2.3133 Rhodopide woodrush screes
H2.314 Cold silicate block screes
H2.315 Carpatho-Balkanic saxifrage-speedwell-ragwort screes
H2.3151 Rhodopide ragwort screes
H2.3152 Carpathian saxifrage-speedwell acidophilous screes
H2.316 Painted fescue screes
H2.32 Medio-European upland siliceous screes
H2.4 Temperate-montane calcareous and ultra-basic screes
H2.41 Alpine calcschist screes
H2.42 *Thlaspi rotundifolium* screes
H2.43 Fine calcareous screes
H2.431 Butterbur screes
H2.432 Mountain hawkbit screes
H2.44 Carpathian calcareous screes
H2.441 West Carpathian calcareous screes
H2.442 East Carpathian calcareous screes
H2.45 Rhodopide calcareous screes
H2.5 Acid siliceous screes of warm exposures
H2.51 Pyreneo-Alpine thermo-siliceous screes
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
H2.56 Central Mediterranean siliceous screes
H2.57 Anatolian siliceous screes
H2.6 Calcareous and ultra-basic screes of warm exposures
H2.61 Peri-Alpine thermophilous screes
H2.611 Rough-grass screes
H2.612 Submontane calcareous screes
H2.6121 Hemp-nettle screes

H2.6122 French sorrel screes
H2.6123 Limestone fern screes
H2.6124 Vincetoxicum screes
H2.613 Paris Basin screes
H2.62 Cevenno-Provençal screes
H2.63 Pyrenean calcareous screes
H2.64 Oro-Cantabrian calcareous screes
H2.65 Iberian calciphile fern screes
H2.66 Southern Iberian calcareous screes
H2.67 Central Mediterranean calcareous screes
H2.68 Eastern Mediterranean limestone screes
H2.69 Eastern Mediterranean serpentine screes
H2.6A Cyprian screes
H2.6B Illyrian montane calcareous screes
H2.6B1 Illyrian fern screes
H2.6B2 Illyrian butterbur screes
H2.6B3 Illyrian drypis screes
H2.6B4 Illyrian candytuft screes
H2.6B5 Illyrian toadflax screes
H2.6B6 Illyrian mouse-ear screes
H2.6B7 Illyrian geranium screes
H2.6B8 Pelagonide toadflax-valerian screes
H2.6C Illyrian sub-Mediterranean screes
H2.6D Illyrian montane serpentine screes
H2.6E Illyrian *Achnatherum calamagrostis* screes
H2.6F Anatolian calcareous screes

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
H3.112 Hercynio-Alpine montane and collinar siliceous cliffs
H3.113 Hercynio-Alpine serpentine cliffs
H3.114 Carpathian montane siliceous cliffs
H3.12 Oro-Iberian siliceous cliffs
H3.121 Ibero-Carpetanian siliceous cliffs
H3.122 Nevadan siliceous cliffs
H3.13 Southwestern Alpine siliceous cliffs
H3.14 Cyrno-Sardinian montane and alpine cliffs
H3.15 Helleno-Carpatho-Balkanic *Silene* siliceous cliffs
H3.151 Southern Carpathian campion siliceous cliffs
H3.152 Carpatho-Balkano-Rhodopide campion siliceous cliffs
H3.153 Pelagonide campion siliceous cliffs
H3.16 Peri-Pyrenean montane siliceous cliffs
H3.17 Western Iberian siliceous cliffs
H3.18 West Mediterranean thermophile siliceous cliffs
H3.19 Lowland northern and middle siliceous cliffs
H3.1A Boreal siliceous cliffs
H3.1B Bare siliceous inland cliffs
H3.1B1 High altitude and arctic siliceous cliffs
H3.1B2 Mountain siliceous cliffs
H3.1B3 Boreo-nemoral and boreal siliceous cliffs
H3.1B4 Nemoral low altitude siliceous cliffs
H3.1B5 Mediterranean siliceous cliffs
H3.1C Disused siliceous quarries
H3.2 Basic and ultra-basic inland cliffs
H3.21 Tyrrheno-Adriatic eumediterranean calcicolous chasmophyte communities
H3.211 Petrarch-spleenwort cliffs
H3.212 Southeastern Iberian chasmophyte communities
H3.213 Balearic calcareous chasmophyte communities

- **H3.214** Insular cabbage cliffs
  - **H3.2143** West-Mediterranean polypode cliffs
- **H3.215** Sicilo-Italic *Dianthus* cliffs
- **H3.216** Illyrian chasmophyte communities
  - **H3.2161** Istrio-Triestine karst chasmophyte communities
    - **H3.21611** Karst knapweed cliffs
    - **H3.21612** Istrio-Triestine spurge cliffs
    - **H3.21613** Istrio-Triestine moehringia cliffs
  - **H3.2162** Liburnian chasmophyte communities
    - **H3.21621** Dalmatian knapweed cliffs
    - **H3.21622** Austrian viper's grass cliffs
    - **H3.21623** Liburnian meadow rue-bellflower cliffs
  - **H3.2163** Dalmatian chasmophyte communities
    - **H3.21631** Raguse knapweed cliffs
    - **H3.21632** Moltkia cliffs
    - **H3.21633** *Centaurea cuspidata* cliffs
  - **H3.2164** Vardean chasmophyte communities
  - **H3.2165** Dalmatian fern-navelwort cliffs
- **H3.22** Central Pyrenean calcicolous chasmophyte communities
- **H3.23** Liguro-Apennine 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
- **H3.25** Alpine and sub-mediterranean chasmophyte communities
  - **H3.251** Alpine calcareous cliff heliophile communities
  - **H3.252** Middle-European calcareous fern cliffs
  - **H3.253** Carpathian calcareous cliff heliophile communities
- **H3.26** Hellenic eumediterranean calcicolous chasmophyte communities
- **H3.27** Aegeo-east-Mediterranean basiphile chasmophyte communities
  - **H3.271** Cretan chasmophyte communities
    - **H3.2711** Western Cretan chasmophyte communities
    - **H3.2712** Eastern Cretan chasmophyte communities
    - **H3.2713** High-altitude Cretan chasmophyte communities
  - **H3.272** Karpathos chasmophyte communities
  - **H3.273** Eastern Aegean chasmophyte communities
  - **H3.274** Cyclades chasmophyte communities
  - **H3.275** Northern Sporades chasmophyte communities
  - **H3.276** Cyprian chasmophyte communities
    - **H3.2761** Kyrenia chasmophyte communities
    - **H3.2762** Troodos limestone chasmophyte communities
    - **H3.2763** Troodos serpentine chasmophyte communities
    - **H3.2764** Kythrean chasmophyte communities
- **H3.28** Southern Hellenic *Potentilla* cliffs
- **H3.29** Central Hellenic *Potentilla* cliffs
- **H3.2A** Illyrio-Helleno-Balkanic *Potentilla* cliffs
  - **H3.2A1** Helleno-Balkanic calcicolous chasmophyte communities
    - **H3.2A11** Pelagonide calcicolous chasmophyte communities
    - **H3.2A12** Rhodopide calcicolous chasmophyte communities
      - **H3.2A121** Pirin calcicolous chasmophyte communities
      - **H3.2A122** Rila calcicolous chasmophyte communities
      - **H3.2A123** Rhodope calcicolous chasmophyte communities
    - **H3.2A13** Balkan Range calcicolous chasmophyte communities
      - **H3.2A131** Balkan range ramonda cliffs
      - **H3.2A132** Vrachansky karst chasmophyte communities
  - **H3.2A2** Dinaro-Carpathian calcicolous chasmophyte communities
  - **H3.2A3** Moist Dinaric calcicolous chasmophyte communities
  - **H3.2A4** Balkano-Illyrian shaded calcicolous chasmophyte communities
- **H3.2B** Lowland middle European calcareous cliff communities

H3.2C Boreal calcareous cliff communities
H3.2D Mediterraneo-Anatolian calcicolous chasmophyte communities
H3.2E Bare limestone inland cliffs
H3.2E1 High altitude and arctic limestone cliffs
H3.2E2 Mountain limestone cliffs
H3.2E3 Boreo-nemoral and boreal limestone cliffs
H3.2E4 Nemoral low altitude limestone cliffs
H3.2E5 Mediterranean limestone cliffs
H3.2F Disused chalk and limestone quarries
H3.2G Boreal and arctic serpentine and basaltic cliff communities
H3.2H Bare inland basaltic and ultra-basic cliffs
H3.2H1 High altitude and arctic basaltic and ultra-basic cliffs
H3.2H2 Mountain basaltic and ultra-basic cliffs
H3.2H3 Boreo-nemoral and boreal basaltic and ultra-basic cliffs
H3.2H4 Nemoral low altitude basaltic and ultra-basic cliffs
H3.2H5 Mediterranean basaltic and ultra-basic cliffs
H3.2I Temperate serpentine and basaltic cliff communities
H3.2J Mediterranean serpentine and basaltic cliff communities
H3.3 Macaronesian inland cliffs
H3.4 Wet inland cliffs
H3.41 Mediterranean wet inland cliffs
H3.42 Northern wet inland cliffs
H3.5 Almost bare rock pavements, including limestone pavements
H3.51 Pavements, rock slabs, rock domes
H3.511 Limestone pavements
H3.6 Weathered rock and outcrop habitats
H3.61 Bare weathered rock and outcrop habitats
H3.62 Sparsely vegetated weathered rock and outcrop habitats

H4 Snow or ice-dominated habitats

H4.1 Snow packs
H4.2 Ice caps and true glaciers
H4.21 Ice sheets and ice caps
H4.22 Cirque and valley glaciers
H4.23 Glacierets
H4.3 Rock glaciers and unvegetated ice-dominated moraines
H4.31 Rock glaciers
H4.32 Ice-core moraines
H4.33 Unvegetated glacial moraines in the process of formation

H5 Miscellaneous inland habitats with very sparse or no vegetation

H5.1 Fjell fields and other freeze-thaw features with very sparse or no vegetation
H5.11 Fjell fields with very sparse or no vegetation
H5.2 Glacial moraines with very sparse or no vegetation
H5.21 Unvegetated young glacial moraines
H5.22 Sparsely vegetated glacial moraines
H5.3 Sparsely- or un-vegetated habitats on mineral substrates not resulting from recent ice activity
H5.31 Clay and silt with very sparse or no vegetation
H5.32 Stable sand with very sparse or no vegetation
H5.33 Lacustrine dunes
H5.331 Lake Geneva lacustrine dunes
H5.332 Boreo-lacustrine dunes
H5.34 Inland non-lacustrine dunes
H5.341 Icelandic inland dunes
H5.35 Gravel with very sparse or no vegetation
H5.36 Shallow rocky soils with very sparse or no vegetation
H5.37 Boulder fields
H5.4 Dry organic substrates with very sparse or no vegetation
H5.5 Burnt areas with very sparse or no vegetation

H5.51 Unvegetated recently burnt ground
H5.52 Sparsely vegetated burnt areas
H5.6 Trampled areas
H5.61 Unsurfaced pathways

H6 Recent volcanic features

H6.1 Active volcanic features
H6.11 Italian fumaroles
H6.12 Sicilian fumaroles
H6.13 Pantelleria fumaroles
H6.14 Macaronesian fumaroles
H6.15 Icelandic solfataras
H6.16 East Mediterranean fumaroles and solfataras
H6.17 Peri-Alpine fumaroles, solfataras and mofettes
H6.18 Western Asian fumaroles and solfataras
H6.2 Inactive recent volcanic features
H6.21 Teide violet community
H6.22 Etna summital communities
H6.23 Western Asian orovolcanic communities
H6.24 Barren lava fields and flows
H6.241 Barren Icelandic lava flows
H6.242 Barren Macaronesian lava flows
H6.243 Barren Tethyan lava flows
H6.25 Volcanic ash and lapilli fields

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
I1.4 Inundated or inundatable croplands, including rice fields
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
I1.54 Fallow inundated fields with annual weed communities
I1.55 Fallow inundated fields with annual and perennial weed communities

I2 Cultivated areas of gardens and parks

I2.1 Large-scale ornamental garden areas
I2.11 Park flower beds, arbours and shrubbery
I2.12 Botanical gardens
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
I2.3 Recently abandoned garden areas

J Constructed, industrial and other artificial habitats

J1 Buildings of cities, towns and villages

J1.1 Residential buildings of city and town centres
J1.2 Residential buildings of villages and urban peripheries
J1.3 Urban and suburban public buildings
J1.4 Urban and suburban industrial and commercial sites still in active use
  J1.41 Urban and suburban commercial units
  J1.42 Urban and suburban factories
J1.5 Disused constructions of cities, towns and villages
  J1.51 Urban and suburban derelict spaces
J1.6 Urban and suburban construction and demolition sites
J1.7 High density temporary residential units

J2 Low density buildings

J2.1 Scattered residential buildings
J2.2 Rural public buildings
J2.3 Rural industrial and commercial sites still in active use
  J2.31 Rural commercial units
  J2.32 Rural industrial sites
J2.4 Agricultural constructions
  J2.41 Agricultural buildings (not isolated)
  J2.42 Isolated agricultural buildings
  J2.43 Greenhouses
J2.5 Constructed boundaries
  J2.51 Fences
  J2.52 Field walls
  J2.53 Sea walls
J2.6 Disused rural constructions
  J2.61 Derelict spaces of disused rural constructions
J2.7 Rural construction and demolition sites

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
J4.2 Road networks
J4.3 Rail networks
J4.4 Airport runways and aprons
J4.5 Hard-surfaced areas of ports
J4.6 Pavements and recreation areas
J4.7 Constructed parts of cemeteries

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
  J5.32 Intensively managed fish ponds
  J5.33 Water storage tanks
  J5.34 Standing waterbodies of extractive industrial sites with extreme chemistry
J5.4 Highly artificial non-saline running waters

J5.41 Non-saline water channels with completely man-made substrate
J5.411 Sewers
J5.42 Running discharges from extractive industrial sites with extreme chemistry
J5.43 Subterranean artificial watercourses
J5.5 Highly artificial non-saline fountains and cascades

J6 Waste deposits

J6.1 Waste resulting from building construction or demolition
J6.2 Household waste and landfill sites
J6.3 Non-agricultural organic waste
J6.31 Sewage works and sludge beds
J6.311 Solid organic waste
J6.4 Agricultural and horticultural waste
J6.41 Solid agricultural and horticultural waste
J6.42 Liquid agricultural wastes (manure)
J6.5 Industrial waste
J6.51 Mining slag heaps
J6.52 Industrial scrap and detritus heaps

X Habitat complexes

X01 Estuaries
X02 Saline coastal lagoons
X03 Brackish coastal lagoons
X04 Raised bog complexes
X05 Snow patches
X06 Crops shaded by trees
X07 Intensively-farmed crops interspersed with strips of semi-natural vegetation
X09 Pasture woods (with a tree layer overlying pasture)
X10 Mosaic landscapes with a woodland element (bocages)
X11 Large parks
X13 Land sparsely wooded with broadleaved deciduous trees
X14 Land sparsely wooded with broadleaved evergreen trees
X15 Land sparsely wooded with coniferous trees
X16 Land sparsely wooded with mixed broadleaved and coniferous trees
X18 Wooded steppe
X19 Wooded tundra
X20 Treeline ecotones
X22 Small city centre non-domestic gardens
X23 Large non-domestic gardens
X24 Domestic gardens of city and town centres
X25 Domestic gardens of villages and urban peripheries
X27 Machair complexes
X28 Blanket bog complexes
X29 Salt lake islands
X30 Bentho-pelagic habitats
X31 Mosaics of mobile and non-mobile substrata in the littoral zone
X32 Mosaics of mobile and non-mobile substrata in the infralittoral zone
X33 Mosaics of mobile and non-mobile substrata in the circalittoral zone