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Current EUNIS	Current EUNIS	Current EUNIS Level 3	Comments from EVS	Proposed revision of	New description	Old description
Level 1	Level 2		reports	EUNIS level 3		
		B1.5 Coastal dune heaths				Stable dunes with a leached surface and vegetation
habitats	dunes and		two types, according to			dominated by <i>Calluna vulgaris , Empetrum nigrum</i> or
	sandv shores		dominant species			Erica spp.
				B1.5a Atlantic and Baltic	Heath on stable, decalcified dune sands along the	
				coastal Empetrum heath	cooler north Atlantic and Baltic coasts of Europe,	
					dominated by <i>Empetrum nigrum</i> , with or without	
					Calluna vulgaris, or occurring in dune slacks when	
					Erica tetralix may also be abundant or even replace	
					Empetrum with the same suite of associates.	
					Persistent where wind-exposure or light grazing	
					prevent succession to scrub or woodland.	
				B1.5b Atlantic coastal	Heath on stable, decalcified, sharply-draining dune	
				Calluna and Ulex heath	sands along the warmer, more humid Atlantic coast of	
					Europe, dominated by Calluna vulgaris, Erica spp.	
					and/or <i>Ulex</i> spp and other low spiny legumes often	
					with a strong contingent of grasses and sedges.	
					Persistent where wind-exposure or light grazing	
					prevent succession to scrub or woodland.	
		B1.6 Coastal dune scrub	Should be split into two			Stable dunes with scrub, e.g. Hippophae rhamnoides,
			types on the basis of			Salix repens in the north, or Juniperus spp. or
			geographical variation			sclerophyllous shrubs in the south.
				B1.6a Atlantic and Baltic	Scrub dominated by a wide diversity of low to tall	
				coastal dune scrub	shrubs on stabilised dry dune sands and in dune slacks	
				coastal danc scrap	along the Atlantic and Baltic coasts, the composition	
					varying according to regional climate and ground	
					conditions. Fen vegetation with low <i>Salix repens</i> or	
					grassland with <i>Rosa spinossissima</i> are not included.	

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	Current EUNIS Level 2	Current EUNIS Level 3	Comments from EVS reports	Proposed revision of EUNIS level 3	New description	Old description
Level 1	Level 2		reports		Scrub dominated by a wide diversity of low to tall	
				Black Sea coastal dune	shrubs on stabilised dry dune sands along the	
				scrub	Mediterranean and Black sea coasts, often grading to	
					dune grassland or woodland, the associated herb flora	
					showing elements from these neighbouring vegetation	
					tynes or mosaics	
				B1.6c Macaronesian	Often sparse scrub on coastal dune sands in the arid	
				coastal dune scrub	Mediterranean climate in parts of the Canarian	
					archipelago.	
	B2 Coastal	B2.5 Shingle and gravel	Should be merged with			Coastal gravel banks with scrub. Included are dense
	shingle	beaches with scrub	other habitat types on			thermo-mediterranean brushes on gravel banks beside
			shingle and gravel			the Mediterranean and heaths on shingle in the
			heaches			nemoral zone.
F Heathland,	F1 Tundra	F1.1 Shrub tundra		F1.1 Shrub tundra	l · · · · · · · · · · · · · · · · · · ·	Tundras of the southernmost tundra belt,
scrub and					low shrubs over herbs, mosses and lichens on	characterized by an abundance of medium small and
tundra					sporadically permafrost soils of the southern arctic and	small shrubs, including 1-2 m tall Alnus fruticosa, 0.5-
					subarctic zones, often grazed into grassy mosaics.	0.8 m tall Salix lanata , Betula nana , Betula exilis ,
						Salix reptans , Salix pulchra , and of dwarf shrubs, in
						particular, Vaccinium uliginosum , Vaccinium vitis-
						idaea , Ledum decumbens ,Rubus chamaemorus ,
						Empetrum hermaphroditum , Empetrum nigrum ,
						Arctostaphylos alpina . They extend south to the
						wooded taiga belt.

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Current EUNIS	Current EUNIS	Current EUNIS Level 3	Comments from EVS	Proposed revision of	New description	Old description
Level 1	Level 2		reports	EUNIS level 3		
		F1.2 Moss and lichen tundra		F1.2 Moss and lichen tundra	Tundra of the middle and northern high arctic zone where permafrost soils, often occurring in patterned ground, support a frequently sparse cover of mosses, lichens and low herbs.	Tundras of the middle tundra belt, characterized by a thick cover of mosses, formed notably by <i>Hylocomium splendens</i> , <i>Aulacomnium turgidum</i> , <i>Tomentypnum nitens</i> , <i>Ptilidium ciliare</i> , with dwarf shrubs, particularly <i>Dryas octopetala</i> , <i>Cassiope tetragona</i> , <i>Salix reptans</i> , <i>Vaccinium vitis-idaea</i> , sedges, among which the often dominant <i>Carex ensifolia</i> . Drier stands alternate in mosaic fashion with wetter areas dominated by sedges, in particular, <i>Carex stans</i> , <i>Eriophorum angustifolium</i> , <i>Eriophorum scheuchzeri</i> , and grasses, notably <i>Arctophila fulva</i> , <i>Dupontia fischeri</i> .
	F2 Arctic, alpine and subalpine scrub	F2.1 Subarctic and alpine dwarf willow scrub		F2.1 Subarctic and alpine dwarf <i>Salix</i> scrub	Salix-dominated dwarf scrub, often with abundant bryophytes and lichens, on skeletal calcareous or siliceous soils in late snow beds with a short growing-season, occurring in the subarctic north of the woodland zone and in the high mountains of nemoral Europe, increasingly local and fragmentary to the south.	Salix scrub composed of species that rarely exceed 1.5 m in height. Dwarf willow scrub is well developed in boreal and arctic mountains and in subarctic lowlands. In mountains of the nemoral and warm-temperate zones, stands of dwarf willow scrub are of much smaller extent and are charactistic of late-lying snow patches. They occur in the Alps, Pyrenees, Carpathians and Caucasus, and very locally to the south in the Paeonian mountains, Sierra Nevada, Cordillera Central, Monti Sibillini and Abruzzi. They occur locally in the Scottish Highlands and in the Sudeten.
		F2.2 Evergreen alpine and subalpine heath and scrub	· ·			Small, dwarf or prostrate shrub formations of the alpine and subalpine zones of mountains, dominated by ericaceous species, <i>Dryas octopetala</i> , dwarf junipers, brooms or greenweeds; <i>Dryas</i> heaths of the British Isles

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Current EUNIS	Current EUNIS	Current EUNIS Level 3	Comments from EVS	Proposed revision of	New description	Old description
Level 1	Level 2		reports	EUNIS level 3		
				F2.2a Alpine and subalpine ericoid heath	Dwarf-shrub vegetation dominated by ericoids and other woody species (not Juniperus or genistoids) occurring in high mountains throughout Europe, varying in dominants and associates according to regional climate, degree of exposure and snow lie, soil reaction, soil depth and moisture.	
				F2.2b Alpine and subalpine <i>Juniperus</i> scrub	Juniper-dominated vegetation of the montane to sub- alpine belts of European mountains, occurring as primary vegetation tolerant of both high exposure and snow-lie, but also a secondary derivative of deforested, long-grazed and eroded ground at high	
				F2.2c Balkan subalpine genistoid scrub	Genistoid heath and scrub of high mountains in the Balkans, often in primary grassy mosaics at higher altitudes, but also extending below the timberline where wood-cutting and grazing open up the woodland cover and sustain the vegetation as an anthropogenic replacement	
		F2.3 Subalpine deciduous scrub		F2.3 Subalpine deciduous scrub	draining, sometimes quite fertile, soils on high mountain slopes throughout Europe, often with long snow-lie and prone to natural disturbance due to avalanche and scree slides, after which it is well able to	(Amelanchier, Potentilla, Rubus, Sorbus), less than 5 m tall, often accompanied by tall herbs that in the absence of scrub would be classified as E5.5. Excludes dwarf Salix scrub (F2.1), which is composed of species

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Current EUNIS	Current EUNIS	Current EUNIS Level 3	Comments from EVS	Proposed revision of	New description	Old description
Level 1	Level 2	F2.4 Conifer scrub close to the tree limit	reports	EUNIS level 3 F2.4 Subalpine Pinus mugo scrub	Pinus mugo krummholz on mineral soils with long snow-lie above the tree line through the mountains of central and eastern Europe. Woody and herbaceous associates and the sometimes abundant bryophyte layer vary according to the base-richness of the soils and ground moisture.	Scrubland with dwarf conifers (krummholz), often with incomplete canopy cover, close to the tree limit. At the arctic tree limit, the trees are of species that can grow to large stature under favourable conditions. However <i>Pinus mugo</i> of central and southern Europe is often genetically fixed as a shrub. Excluded are stands of forest conifers with height > 3 m (G3).
	•		F3.1 and F3.2 should be merged and then split into six types on the basis of dominant growth form			Successional and plagioclimax scrub, mostly deciduous, of Atlantic, sub-Atlantic or subcontinental affinities, characteristic of the nemoral zone, but also colonizing cool, moist or disturbed stations of the Mediterranean evergreen forest zone. Included are thickets of Buxus sempervirens, Corylus avellana, Cytisus scoparius, Juniperus communis, Prunus spinosa, Rubus fruticosus and Ulex europaeus.
				F3.1a Lowland to montane temperate and submediterranean Juniperus scrub	Juniperus communis scrub on nutrient-poor sandy and calcareous soils through the temperate and submediterranean lowlands and foothills of Europe. The juniper can be very patchy in occurrence, often related to past land-use, and with a striking variety of growth forms, the associated flora being very diverse according to soil base-status, sharing much in common, where the scrub is open, with local calcicolous grasslands or heath.	
				F3.1b Temperate <i>Rubus</i> scrub	Low Rubus -dominated scrub, deciduous or sometimes evergreen, of successions and ecotones in a wide variety of semi-natural landscapes through the Atlantic zone and elsewhere in sub-montane Europe where a locally moist climate prevails. Rubus is an enormously diverse genus of often apomictic and endemic taxa with associated floras related to soil base-status and moisture.	

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Current EUNIS	Current EUNIS	Current EUNIS Level 3	Comments from EVS	Proposed revision of	New description	Old description
Level 1	Level 2		reports	EUNIS level 3		
				F3.1c Lowland to	Low scrub dominated by various woody legumes on	
				montane temperate and	mostly sharply-draining, nutrient-poor acidic soils	
				submediterranean	through the temperate and submediterranean	
				genistoid scrub	lowlands and mediterranean foothills of Europe. To	
					the north the vegetation is usually found in	
					successions or ecotones within pastoral landscapes	
					and is often rather species-poor; further south, the	
					scrub can occur as a more persistent or repeatedly	
					renewed habitat among rocky or unstable hill-slopes	
					with richer associated floras.	
				F3.1d Balkan -Anatolian	Open scrub, dominated by Genista rumelica /lydia	
				submontane genistoid	endemic to steep rocky slopes and screes, and also	
				scrub	degraded woodland, in the lowlands and foothills of	
					the south-eastern Balkans, on various soils but	
					especially rich on limey substrates where calcicolous	
					grassland species figure strongly among the associated	
				F3.1e Temperate and	Scrub dominated by a diversity of mostly thorny	
				submediterranean thorn	shrubs, small trees and saplings, in successions and	
				scrub	ecotones on mesic soils in a wide variety of semi-	
				00.00	natural landscapes through the temperate and	
					submediterranean lowlands of Europe but sometimes	
					extending to higher altitudes, as with the Balkan	
					šibljak. The dominants and associated floras vary	
					widely with differences in regional climate and soils.	
					· ·	
				F3.1f Low steppic scrub	Low scrub, dominated by various, often clonal, shrubs	
					frequently forming patches in locally mesic and	
					sheltered situations within the dry grasslands of the	
					steppe zone of central and eastern Europe. It can form	
					a persistent natural landscape element or develop	
					after abandonment of pasturing.	

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Level 1	Level 2		reports	EUNIS level 3		
				F3.1g Corylus avellana	Low scrub dominated by <i>Corylus avellana</i> ,	
				scrub	permanently maintained by exposure to winds and on	
					shallow soils along the north Atlantic coast and locally	
					on rocky slopes and cliffs through the Continental	
					region	
				F3.1h Temperate forest	Often dense scrub of shrubs and small trees invading	
				clearing scrub	after natural or anthropogenic clearance in woodlands	
		50.0 C	50.4 150.0		of the temperate zone.	
		F3.2 Submediterranean	F3.1 and F3.2 should be			Successional and plagioclimax scrub, mostly
		deciduous thickets and	merged and then split			deciduous, of the submediterranean and
		brushes	into six types on the basis			supramediterranean zones, but also colonizing cool,
			of dominant growth form			moist or disturbed stations of the mediterranean
						evergreen forest zone. Included are some non-leafy
						brushes, for example Cytisus purgans and Genista
	F4 Temperate	F4.1 Wet heaths		F4.1 Wet heath	Heath with prominent Erica tetralix on shallow, acid,	Wet or humid ericoid-shrub dominated heaths of the
	shrub				nutrient-poor peats and peaty mineral soils, kept moist	Atlantic and sub-Atlantic zones, developed on peaty or
	heathland				for much of the year and often seasonally	semipeaty soils, waterlogged for at least part of the
						year, sometimes temporarily inundated, and usually
					lowlands and foothills of Europe. Typically occurring in	moist even in summer.
					wet depressions and seepage areas within dry heaths	
					or as a marginal zone around bogs where drainage of	
					deeper peats can increase its extent. In milder oceanic	
					climates, other <i>Erica</i> and <i>Ulex</i> spp. occur in richer	
					humid heath. Frequently influenced by grazing and sod-	
					cutting.	

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Current EUNIS	Current EUNIS	Current EUNIS Level 3	Comments from EVS	Proposed revision of	New description	Old description
Level 1	Level 2		reports	EUNIS level 3		
		F4.2 Dry heaths		F4.2 Dry heath	•	·
		F4.3 Macaronesian heaths		F4.3 Macaronesian heath	Shrubby vegetation on thin soils in the Azores, Madeira and Canary Islands, colonising pyroclastic debris, lava, rock outcrops and landslips, sometimes cyclically renewed by further disturbance or seral to woodland. Floristically diverse between and within the archipelagoes.	Heaths of the Canary Islands, Azores and Madeira.
		matorral	F5.1 and F5.2 should be merged into one type as these types are difficult to distinguish			Successional and plagioclimax evergreen sclerophyllous or lauriphyllous vegetation of mediterranean or warm-temperate humid affinities with a more or less dense, broken or low arborescent cover and with a usually thick, high evergreen shrub stratum. Arborescent matorral derives mostly from degradation or regrowth of broad-leaved evergreen forests (G2) or is intermediate between them and maquis (F5.2); some derives from thermophilous deciduous (G1.7) or conifer (G3.7) forests.

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Current EUNIS	Current EUNIS	Current EUNIS Level 3	Comments from EVS	Proposed revision of	New description	Old description
Level 1	Level 2		reports	EUNIS level 3		
ECSC. I				F5.1 Mediterranean maquis and arborescent matorral	Evergreen sclerophyllous or lauriphyllous shrub vegetation forming a dense closed canopy, with or without low emergent trees, on a wide variety of substrates and soils through the thermo- to meso-Mediterranean belts. May be permanent primary vegetation on xeric sites but is usually derived by degradation of evergreen deciduous or coniferous	
		F5.2 Maquis	F5.1 and F5.2 should be merged into one type as these types are difficult to distinguish		woodland and much influenced in structure and	Evergreen sclerophyllous or lauriphyllous shrub vegetation, with a more or less closed canopy structure, and with few annuals, some geophytes and often scattered trees, some of which may be in shrub form. Unlike arborescent matorral, maquis is typically dominated by species that do not have the potential to grow into tall trees. In high maquis these may be Arbutus spp., Erica arborea, Erica scoparia, Juniperus oxycedrus, Phillyria spp. In low maquis, Cistus spp., Erica spp., Genista spp., Lavandula spp. may predominate.

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Current EUNIS	Current EUNIS	Current EUNIS Level 3	Comments from EVS	Proposed revision of	New description	Old description
Level 1	Level 2		reports	EUNIS level 3		
		F5.3 Pseudomaquis		F5.3 Submediterranean pseudomaquis	Mixed deciduous and evergreen scrub of shallow, rocky, mostly calcareous soils in the lowlands and foothills of southern Europe, particularly the east. Usually derived by woodland degradation and much affected in structure and composition by grazing, fire and logging.	Mixed sclerophyllous evergreen and deciduous shrub thickets of the periphery of the range of Mediterranean sclerophyllous scrublands. They include, in particular, shrub formations of the Balkan and Italian peninsulas intermediate between Mediterranean maquis and schibljak, resulting from the degradation of thermophilous deciduous woodland G1.7, with a mixture of evergreen and deciduous bushes including Quercus coccifera, Juniperus oxycedrus, Quercus trojana, Carpinus orientalis, Ostrya carpinifolia, Pistacia terebinthus, Buxus sempervirens, Berberis cretica, Paliurus spina-christi, Pyrus spinosa, Rosa spp., similar Iberian formations with Amelanchier ovalis, Prunus lusitanica, Ilex aquifolium, French and Italian formations with Quercus pubescens and Quercus ilex, formations of Mediterranean Asia Minor and the Levant dominated by mixed deciduous and evergreen shrubs or small trees, in particular, Quercus coccifera (Quercus calliprinos) and Pistacia palaestina.
		F5.4 Spartium junceum fields		F5.4 Spartium junceum scrub	Scrub dominated by Spartium junceum, typical of disturbed, open, sunny situations on a wide variety of soils through the Mediterranean and sub-Mediterranean, where its rapid establishment is favoured by post-fire seed germination, aggressive rooting, nitrogen-fixation and unpalatability.	Thickets and brushes of Spanish broom, <i>Spartium junceum</i> , widespread in mediterranean and submediterranean areas of western Europe.

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Current EUNIS	Current EUNIS	Current EUNIS Level 3	Comments from EVS	Proposed revision of	New description	Old description
Level 1	Level 2		reports	EUNIS level 3		
		F5.5 Thermo-		F5.5 Thermo-	Scrub with a usually low and rather open cover of	Shrub formations characteristic of the thermo-
		Mediterranean scrub		Mediterranean scrub	shrubs with sub-shrubs, dwarf shrubs and herbs	Mediterranean zone. Included here are those
					between, on dry soils of varied composition through	formations, for the most part indifferent to the
					the thermomediterranean zone, and of very diverse	siliceous or calcareous nature of the substrate, that
					local composition. Primary and permanent in more	reach their greatest extent or optimal development in
					arid and exposed situations, but can be successional to	the thermo-Mediterranean zone, typically with
					woodland and often much affected by grazing.	abundant Pistacia lentiscus, Myrtus communis,
						Phillyrea spp., Erica manipuliflora, Styrax officinalis,
						Genista fasselata, Euphorbia dendroides, Calicotome
						villosa and Sarcopoterium spinosum . Also included are
						the numerous, strongly characterized, thermophile
						formations endemic to the south of the Iberian
						peninsula, mostly thermo-Mediterranean but
						sometimes meso-Mediterranean; in their great local
						diversity they are a western counterpart of, and
						sometimes approach in appearance, the mostly
						eastern Mediterranean phryganas F7.
	F6 Garrigue	F6.1 Western garrigues	Should be split into two			Shrubby formations, often low, on mostly calcareous
			types on the basis of soil			soils of the meso-mediterranean zone of the Iberian
			characteristics			peninsula, France, Italy and the large western
						Mediterranean islands, notably the Balearics, Corsica,
						Sardinia, Sicily and Malta. Included here are those
						formations that reach their optimal development
						within the mesomediterranean zone although they
						often enter the thermo- or supra-mediterranean levels.

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		Current EUNIS Level 3	Comments from EVS	Proposed revision of	New description	Old description
Level 1	Level 2		reports	EUNIS level 3		
				F6.1a Western	Sub-shrub vegetation dominated by	
				basiphilous garrigue	nanophanerophytes and chamaephytes on thin, base-	
					rich soils through the western thermo- to	
					mesomediterranean belts, very diverse in composition	
					with differences in local climate and soils. In rockier	
					situations, it can be a permanent coloniser but is often	
					derived from woodland clearance and is much affected	
					by grazing and fire.	
				F6.1b Western	Sub-shrub vegetation dominated by	
				acidophilous garrigue	nanophanerophytes on thin acidic soils, both hard	
					silicate and soft sands, through the western thermo- to	
					lower supramediterranean belts, very diverse in	
					composition with differences in local climate and soils.	
					In rockier situations, it can be a permanent coloniser	
					but is often derived from woodland clearance or	
					abandonment of farm fields and is much affected by	
		F6.2 Eastern garrigues	F6.2, F6.3 and F6.4 should			Shrubby formations, often low, of the meso-, thermo-
			be merged			and occasionally supramediterranean zones of Greece,
						southern Albania, Cyprus and southern Anatolia.
						Included here are all sclerophyllous formations,
						regardless of substrate, except those with conspicuous
						spiny cushion structure (F7), those with abundant
						thermo-Mediterranean scrub species (F5.5) and high
						maquis with <i>Erica arborea</i> and <i>Arbutus</i> spp. (F5.2).
		FC 2 III. wish a service of	EC 2 EC 2 and EC 4 dec 14			Chamble of a marking a fitter law of the mark and
		F6.3 Illyrian garrigues	F6.2, F6.3 and F6.4 should			Shrubby formations, often low, of the meso- and
			be merged			occasionally supra-Mediterranean zones of the Adriatic
						lowlands of the Balkan peninsula from Istria to
						southern Albania. Included here are all sclerophyllous
						formations, regardless of substrate, except high
						maquis (F5.2) with <i>Erica arborea</i> and <i>Arbutus</i> spp.

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		Current EUNIS Level 3	Comments from EVS	Proposed revision of	New description	Old description
Level 1	Level 2		reports	EUNIS level 3		
		F6.4 Black Sea garrigues	F6.2, F6.3 and F6.4 should be merged			Shrubby formations of the Mediterranean enclaves of the Black Sea coasts, in Crimea, southern Bulgaria, Turkey-in-Europe and northern Anatolia, as well as of the Mediterraneo-steppic zone of southern Thrace. Included here are all sclerophyllous formations, regardless of substrate, except high maquis (F5.2) with <i>Erica arborea</i> and <i>Arbutus</i> spp. and Phryganas (F7).
				F6.2 Eastern garrigue	Low, mostly evergreen sclerophyllous scrub on diverse soils through the eastern meso-, thermo- and occasionally supramediterranean belts, including around the Black Sea, where deciduous species can prevail. Derived by woodland degradation and usually maintained by grazing and fire, their structure and composition vary greatly with local climate and human	
		F6.5 Macaronesian garrigues	Should be merged with other B habitat types on shingle and gravel beaches (B1-3)			Low shrub vegetation with an open canopy, of the Canary Islands, Azores and Madeira.
		F6.6 Supra-Mediterranean garrigues		F6.6 Supra-Mediterranean garrigue	Open low scrub of calcareous soils through the western and central supramediterranean belt. Derived originally by woodland clearance and long maintained by grazing, abandonment is now allowing widespread reversion.	Low shrub formations with pronounced Mediterranean affinities formed as a degradation stage of thermophilous deciduous woodland (G1.7) or sometimes of evergreen <i>Quercus</i> woodland (G2.1) in the supra-Mediterranean belt of the Mediterranean region. Included here are only those formations that are characteristic of the supra-Mediterranean level; formations, particularly of the lower supra-Mediterranean, that are closely related to meso-Mediterranean communities have been included under F6.1, F6.2, F6.3 or F6.4.

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Current EUNIS Level 1	Current EUNIS Level 2		Comments from EVS reports	Proposed revision of EUNIS level 3	New description	Old description
		F6.7 Mediterranean gypsum scrubs	TEPOT CS	F6.7 Mediterranean gypsum scrub	Open chamaephyte scrub with a lichen crust and rainy- spring annual herb flora, on gypsum-rich substrates in areas with a dry to semi-arid mediterranean climate in the Iberian peninsula. The extreme climatic and edaphic conditions maintain the habitat as naturally stable but it can bear some light grazing.	peninsula, usually very open and floristically
			Should be split into two types on the basis of geographical variation			Salt-tolerant shrub formations of dry ground in low- precipitation areas of the mediterranean zone, in particular, the Iberian peninsula and Sicily, and of the Macaronesian Islands.
				F6.8a Mediterranean halo- nitrophilous scrub	Perennial scrubby vegetation with nitrophilous and salt- tolerant associates in often artificially-disturbed places through the semi-arid thermo- and inframediterranean belts where the dry climate slows the decomposition of litter and aids precipitation of salt from the soil.	
				F6.8b Caspian Sea halo- nitrophilous scrub	Perennial scrubby vegetation with nitrophilous and salt- tolerant associates in often artificially-disturbed places around the Caspian Sea where the dry climate slows the decomposition of litter and aids precipitation of salt from the soil	
	F7 Spiny Mediterranean heaths (phrygana, hedgehog- heaths and related coastal cliff	F7.1 West Mediterranean spiny heaths	F7.1 and F7.2 should be merged and renamed			Spiny shrublands, mainly on coastal cliffs, of the western Mediterranean region.

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Current EUNIS	Current EUNIS	Current EUNIS Level 3	Comments from EVS	Proposed revision of	New description	Old description
Level 1	Level 2		reports	EUNIS level 3		
				F7.1 Western	Low scrub of often spiny, cushion-forming plants on	
				Mediterranean spiny	thin soils on wind-exposed and spray-splashed tops of	
				heath	rocky cliffs on Corsica, Sardinia, Pantelleria and in the	
					Gulf of Taranto.	
		F7.2 Central	F7.1 and F7.2 should be			Spiny shrublands, mainly coastal, of the central
		Mediterranean spiny	merged and renamed			Mediterranean region.
		heaths				
		F7.3 East Mediterranean		F7.3 Eastern	Low scrub dominated by thorny hemispherical	Spiny shrublands, widespread at low and middle
		phrygana		Mediterranean spiny	chamaephytes on various base-rich and acidic	altitudes in the eastern Mediterranean and Anatolian
				heath (Phrygana)	substrates in the thermo-, meso- and	regions. Sarcopoterium spinosum is a common
					supramediterranean belts of mainland Greece,	dominant in the Aegean region.
					Anatolia, the Aegean and Ionian islands, Crete, Cyprus	
					and the north-east Mediterranean coast. Can be of	
					primary origin or result from clearance of evergreen	
					coloroobull woodlood	
			Should be renamed and			Primary cushion heaths of the high, dry mountains of
			split into four types on			the Mediterranean region and Anatolia, with low,
			the basis of geographical			cushion-forming, often spiny shrubs, in particular of
			variation			genera Acantholimon, Astragalus, Erinacea, Vella,
						Bupleurum, Ptilotrichum, Genista, Echinospartum,
						Anthyllis , and various composites and labiates;
						secondary, zoogenic cushion heaths of the same
						regions, either downslope extensions of the high-
						altitude formations, and dominated by the same
						species, or specifically montane or steppic, often
						Genista -dominated in the Mediterranean region.
						Excluded are cushion-heaths of thermo-Mediterranean
						lowlands (F7.1, F7.2 and F7.3).
				F7.4a Western	Heath of often spiny hedgehog sub-shrubs on base-rich	
				Mediterranean mountain	and acidic soils in the cold and droughty upper supra-	
				hedgehog heath	and oromediterranean belts of the Iberian Peninsula,	
				neagenog neath	historically sustaining transhumance pastoralism but	
					often extending down from crests and steep slopes	
					due to grazing and burning.	

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Current EUNIS	Current EUNIS	Current EUNIS Level 3	Comments from EVS	Proposed revision of	New description	Old description
Level 1	Level 2		reports	EUNIS level 3		
				F7.4b Central	Heath of often spiny hedgehog sub-shrubs on base-rich	
				Mediterranean mountain	and acidic soils in windy and sunny situations in the	
				hedgehog heath	supra- and oromediterranean belts of Corsica, Sardinia,	
					Elba, Sicily and the southern mainland Mountains of	
					Italy. Downslope expansion below the timberline can	
					follow clearance and grazing.	
				F7.4c Eastern	Heath of often spiny hedgehog sub-shrubs on mostly	
				Mediterranean mountain	base-rich soils in dry mountains of the supra- and	
				hedgehog heath	oromediterranean belts of the east Mediterranean.	
					Downslope expansion below the timberline can follow	
					clearance and grazing	
				F7.4d Canarian mountain	Heath of hedgehog sub-shrubs on screes and volcanic	
				hedgehog-heath	soils in the subalpine semi-desert belt of Tenerife and	
	F8 Thermo-	F8.1 Canary Island		F8.1 Canary Island	la Palma. Open scrub of sclerophyllous shrubs and succulent	Xerophytic scrub of the Canary Islands. Varied types
		· ·		· ·	1 '	1 ' '
		xerophytic scrub		xerophytic scrub	herbs on rocky substrates with skeletal soils in the arid	
	xerophytic scrub				lowlands and on deeper soils in the moister foothills of the Canary Islands.	scierophyllous sili ubs.
	SCIUD	F8.2 Madeiran xerophytic		F8.2 Madeiran xerophytic	Diverse scrub of sclerophyllous shrubs, small trees and	Xerophytic scrub of Madeira.
		scrub		scrub	succulent herbs on usually thin soils of rocky outcrops,	nerspriyaessas or madenar
					cliffs and abandoned fields in the arid lowlands of	
					Madeira.	
	F9 Riverine	F9.1 Riverine scrub	Should be split into two			Scrub of broad-leaved willows, e.g. Salix aurita, Salix
	and fen scrubs		units based on climatic			cinerea, Salix pentandra , beside rivers. Scrub of Alnus
			differences.			spp. and narrow-leaved willows, e.g. Salix eleagnos,
						where these are less than 5 m tall. Riverside scrub of
						Hippophae rhamnoides and Myricaria germanica .
						Excludes riversides dominated by taller narrow-leaved
						willows Salix alba, Salix purpurea, Salix viminalis
						(C1.1)

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		Current EUNIS Level 3	Comments from EVS	Proposed revision of	New description	Old description
Level 1	Level 2	F9.2 <i>Salix</i> carr and fen scrub	reports	F9.1a Arctic, boreal and alpine riparian scrub F9.2 Salix fen scrub	Scrub of <i>Salix</i> spp. and <i>Myricaria germanica</i> establishing on unsorted mineral sediments deposited in turbulent seasonal streams and flood-prone permanent rivers through the uplands of the arctic, boreal and alpine zones. More or less permanent where kept wet, re-establishing after seasonal flooding or succeeding to thorn scrub where the sediments stabilise. Scrub of <i>Salix</i> spp developed on the mineral sediments of shoals and banks of lowland rivers through the temperate zone, re-establishing after seasonal flooding or succeeding to riparian and gallery woodland where the sediments stabilise. Scrub dominated by various <i>Salix</i> spp. on peaty and mineral soils maintained in a permanently waterlogged state by high ground water in floodplain backwaters, around lakes and ponds, among mires and dunes, and in abandoned wet meadows and pastures, occurring through the lowlands of atlantic, boreal and continental Europe and extending into the mediterranean region at higher altitudes. Associated floras vary according to the base status of the ground waters and soils.	Low woods and scrubs colonizing fens, marshy
		F9.3 Southern riparian galleries and thickets		F9.3 Mediterranean riparian scrub	Usually open scrub of <i>Tamarix</i> spp., <i>Nerium oleander</i> , <i>Vitex agnus-castus</i> and similar shrubs and small trees on seasonally droughted and irregularly flooded	Excludes boreal and subalpine lakeside scrub on well drained soils (F2). Tamarisk, oleander, chaste tree galleries and thickets and similar low woody vegetation of permanent or temporary streams and wetlands of the thermo-
					riverbeds, streamsides and depressions through the thermo- and mesomediterranean belts.	Mediterranean zone and southwestern Iberia.

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Current EUNIS	Current EUNIS	Current EUNIS Level 3	Comments from EVS	Proposed revision of	New description	Old description
Level 1	Level 2		reports	EUNIS level 3		
	FA Hedgerows	FA.1 Hedgerows of non-	Not assessed	FA.1 Hedgerows of non-		Hedges planted with species not native in the vicinity.
		native species		native species		They may be exotics such as Ligustrum ovalifolium or
						European species outside their native range.
		FA.2 Highly-managed	Not assessed	FA.2 Highly-managed		Regularly clipped hedges composed of native species
		hedgerows of native		hedgerows of native		that were planted as a hedge.
		species		species		
		FA.3 Species-rich	Not assessed	FA.3 Species-rich		Hedgerows composed mainly of native species, with
		hedgerows of native		hedgerows of native		on average at least five native woody species per 25 m
		species		species		length, excluding undershrubs such as Rubus
						fruticosus or climbers such as Clematis vitalba or
						Hedera helix . In western Europe, many such hedges
						are thought to be medieval in origin.
		FA.4 Species-poor	Not assessed	FA.4 Species-poor		Hedgerows composed mainly of native species, not
		hedgerows of native		hedgerows of native		neatly clipped or obviously planted as a hedge, with on
		species		species		average less than five woody species per 25 m length,
						excluding undershrubs such as Rubus fruticosus or
						climbers such as Clematis vitalba or Hedera helix.
	FB Shrub	FB.1 Shrub plantations	Not assessed	FB.1 Shrub plantations		Includes shrub nurseries. Excludes tree nurseries and
	plantations	for whole-plant		for whole-plant		plantations of Christmas trees (G5.7).
		harvesting		harvesting		
		FB.2 Shrub plantations for	Not assessed	FB.2 Shrub plantations for	•	Includes tea Camellia sinensis plantations, and osier
		leaf or branch harvest		leaf or branch harvest		Salix viminalis beds grown for basket-making.
		FB.3 Shrub plantations for	Not assessed	FB.3 Shrub plantations for		Plantations of dwarf trees, shrubs, espaliers or
		ornamental purposes or		ornamental purposes or		perennial woody climbers other than grapevines,
		for fruit, other than		for fruit, other than		cultivated for fruit or flower production. They include,
		vineyards		vineyards		among others, berry-bearing bushes of <i>Ribes</i> and
		FB.4 Vineyards	Not assessed	FB.4 Vineyards		Plantations of grapevine Vitis vinifera .