SUPLEMENTARY MATERIAL

S1 LULC CLASSES – AGREGATION CRITERIA

LULC Classes (5 Levels)					LULC Aggregation for Regression Models
Level 1	Level 2	Level 3	Level 4	Level 5	
1 Artificial areas	1.1 Urban fabric	1.1.1 Continuous urban fabric	1.1.1.1 Continuous urban fabric predominantly vertical	1.1.1.1.1 Continuous urban fabric predominantly vertical	NO DATA
			1.1.1.2 Continuous urban fabric predominantly horizontal	1.1.1.2.1 Continuous urban fabric predominantly horizontal	
			1.1.1.3 Parking lots and yards	1.1.1.3.1 Parking lots and yards	
		1.1.2 Discontinuous urban fabric	1.1.2.1 Discontinuous urban fabric	1.1.2.1.1 Discontinuous urban fabric	
			1.1.2.2 Sparse discontinuous urban fabric	1.1.2.2.1 Sparse discontinuous urban fabric	
	1.2 Industrial, commercial and transport units	1.2.1 Industrial and commercial units and general infrastructure	1.2.1.1 Industrial units	1.2.1.1.1 Industrial units	
			1.2.1.2 Commercial units	1.2.1.2.1 Commercial units	
			1.2.1.3 Agricultural facilities	1.2.1.3.1 Agricultural facilities	
			1.2.1.4 Public and private facilities	1.2.1.4.1 Public and private facilities	
			1.2.1.5 Energy production infrastructure	1.2.1.5.1 Renewable energy production infrastructure	
				1.2.1.5.2 Non-renewable energy production infrastructure	
			1.2.1.6 Water supply infrastructure	1.2.1.6.1 Water supply infrastructure	
			1.2.1.7 Waste and wastewater treatment infrastructure	1.2.1.7.1 Waste and wastewater treatment infrastructure	
		1.2.2 Road and rail network and associated land	1.2.2.1 Road network and associated land	1.2.2.1.1 Road network and associated land	
			1.2.2.2 Rail network and associated land	1.2.2.2.1 Rail network and associated land	
		1.2.3 Port areas	1.2.3.1 Sea and river docks	1.2.3.1.1 Sea and river ports	
			1.2.3.2 Ship building and repairment areas	1.2.3.2.1 Ship construction and repairment docks	
			1.2.3.3 Marinas and fishing ports	1.2.3.3.1 Marinas and fishing harbors	
		1.2.4 Airports	1.2.4.1 Airports	1.2.4.1.1 Airports	
			1.2.4.2 Airfields	1.2.4.2.1 Airfields	
	1.3 Mineral extraction, waste	1.3.1 Mineral extraction sites	1.3.1.1 Surface mines	1.3.1.1.1 Surface mines	
			1.3.1.2 Quarries	1.3.1.2.1 Quarries	
		1.3.2 Waste	1.3.2.1 Landfills	1.3.2.1.1 Landfills	

LULC Classes (5 Levels)					LULC Aggregation for Regression Models
Level 1	Level 2	Level 3	Level 4	Level 5	
	disposal and construction sites	disposal areas	1.3.2.2 Dumps and scrap yards	1.3.2.2.1 Dumps and scrap yards	
		1.3.3 Construction sites	1.3.3.1 Construction sites	1.3.3.1.1 Construction sites	
			1.3.3.2 Abandoned sites in artificial areas	1.3.3.2.1 Abandoned sites in artificial areas	
	1.4 Green urban areas, sports, leisure and cultural facilities, and historic zones	1.4.1 Green urban areas	1.4.1.1 Parks and gardens	1.4.1.1.1 Parks and gardens	
			1.4.1.2 Cemeteries	1.4.1.2.1 Cemeteries	
		1.4.2 Sports, leisure and cultural facilities, and historic zones	1.4.2.1 Sports facilities	1.4.2.1.1 Golf courses	
				1.4.2.1.2 Other sports facilities	
			1.4.2.2 Leisure facilities	1.4.2.2.1 Campsites	
				1.4.2.2.2 Other leisure facilities	
			1.4.2.3 Cultural facilities and historic zones	1.4.2.3.1 Cultural facilities and historic zones	
2 Agricultural and agro-forestry areas	2.1 Arable land	2.1.1 Non-irrigated arable land	2.1.1.1 Non-irrigated arable land	2.1.1.1.1 Non-irrigated arable land	A
			2.1.1.2 Greenhouses and nurseries	2.1.1.2.1 Greenhouses and nurseries	
		2.1.2 Irrigated arable land	2.1.2.1 Irrigated arable land	2.1.2.1.1 Irrigated arable land	
		2.1.3 Rice fields	2.1.3.1 Rice fields	2.1.3.1.1 Rice fields	
	2.2 Permanent crops	2.2.1 Vineyards	2.2.1.1 Vineyards	2.2.1.1.1 Vineyards	
			2.2.1.2 Vineyards with orchards	2.2.1.2.1 Vineyards with orchards	
			2.2.1.3 Vineyards with olive groves	2.2.1.3.1 Vineyards with olive groves	
		2.2.2 Orchards	2.2.2.1 Orchards	2.2.2.1.1 Fresh fruit orchards	AF
				2.2.2.1.2 Almond orchards	
				2.2.2.1.3 Sweet chestnut orchards	
				2.2.2.1.4 Carob orchards	
				2.2.2.1.5 Citrus orchards	
				2.2.2.1.6 Other orchards	
			2.2.2.2 Orchards with vineyards	2.2.2.2.1 Fresh fruit orchards with vineyards	
				2.2.2.2.2 Almond orchards with vineyards	
				2.2.2.2.3 Sweet chestnut orchards with vineyards	
				2.2.2.2.4 Carob orchards with vineyards	

LULC Classes (5 Levels)					LULC Aggregation for Regression Models
Level 1	Level 2	Level 3	Level 4	Level 5	
				2.2.2.2.5 Citrus orchards with vineyards	
				2.2.2.2.6 Other orchards with vineyards	
			2.2.2.3 Orchards with olive groves	2.2.2.3.1 Fresh fruit orchards with olive groves	
				2.2.2.3.2 Almond orchards with olive groves	
				2.2.2.3.3 Sweet chestnut orchards with olive groves	
				2.2.2.3.4 Carob orchards with olive groves	
				2.2.2.3.5 Citrus orchards with olive groves	
				2.2.2.3.6 Other orchards with olive groves	
		2.2.3 Olive groves	2.2.3.1 Olive groves	2.2.3.1.1 Olive groves	
			2.2.3.2 Olive groves with vineyards	2.2.3.2.1 Olive groves with vineyards	
			2.2.3.3 Olive groves with orchards	2.2.3.3.1 Olive groves with orchards	
	2.3 Permanent pastures	2.3.1 Permanent pastures	2.3.1.1 Permanent pastures	2.3.1.1.1 Permanent pastures	
	2.4 Heterogeneous s agricultural areas	2.4.1 Arable land and/or pastures associated with permanent crops	2.4.1.1 Non-irrigated arable land associated with permanent crops	2.4.1.1.1 Non-irrigated arable land associated with vineyards	A
				2.4.1.1.2 Non-irrigated arable land associated with orchards	
				2.4.1.1.3 Non-irrigated arable land associated with olive groves	
			2.4.1.2 Irrigated arable land associated with permanent crops	2.4.1.2.1 Irrigated arable land associated with vineyards	
				2.4.1.2.2 Irrigated arable land associated with orchards	
				2.4.1.2.3 Irrigated arable land associated with olive groves	
			2.4.1.3 Pastures associated with permanent crops	2.4.1.3.1 Pastures associated with vineyards	AF
				2.4.1.3.2 Pastures associated with orchards	
				2.4.1.3.3 Pastures associated with olive groves	
		2.4.2 Complex cultivation patterns	2.4.2.1 Complex cultivation patterns	2.4.2.1.1 Complex cultivation patterns	
		2.4.3 Agriculture with natural and semi-natural vegetation	2.4.3.1 Agriculture with natural and semi-natural vegetation	2.4.3.1.1 Agriculture with natural and semi-natural vegetation	A
		2.4.4 Agro-forestry systems (AFS)	2.4.4.1 AFS with non-irrigated arable land	2.4.4.1.1 AFS of cork oak with non-irrigated arable land	AF
				2.4.4.1.2 AFS of holm oak with non-irrigated arable land	

LULC Classes (5 Levels)					LULC Aggregation for Regression Models
Level 1	Level 2	Level 3	Level 4	Level 5	
				2.4.4.1.3 AFS of other oaks with non-irrigated arable land	
				2.4.4.1.4 AFS of other species with non-irrigated arable land	
				2.4.4.1.5 AFS of cork and holm oaks with non-irrigated arable land	
				2.4.4.1.6 AFS of other mixtures with non-irrigated arable land	
			2.4.4.2 AFS with irrigated arable land	2.4.4.2.1 AFS of cork oak with irrigated arable land	
				2.4.4.2.2 AFS of holm oak with irrigated arable land	
				2.4.4.2.3 AFS of other oaks with irrigated arable land	
				2.4.4.2.4 AFS of other species with irrigated arable land	
				2.4.4.2.5 AFS of cork and holm oaks with irrigated arable land	
				2.4.4.2.6 AFS of other mixtures with irrigated arable land	
			2.4.4.3 AFS with pastures	2.4.4.3.1 AFS of cork oak with pastures	
				2.4.4.3.2 AFS of holm oak with pastures	
				2.4.4.3.3 AFS of other oaks with pastures	
				2.4.4.3.4 AFS of other species with pastures	
				2.4.4.3.5 AFS of cork and holm oaks with pastures	
				2.4.4.3.6 AFS of other mixtures with pastures	
			2.4.4.4 AFS with permanent crops	2.4.4.4.1 AFS of cork oak with permanent crops	
				2.4.4.4.2 AFS of holm oak with permanent crops	
				2.4.4.4.3 AFS of other oaks with permanent crops	
				2.4.4.4.4 AFS of other species with permanent crops	
				2.4.4.4.5 AFS of cork and holm oaks with permanent crops	
				2.4.4.4.6 AFS of other mixtures with permanent crops	
3	Forests and natural and semi-	3.1.1 Broad-leaved forests	3.1.1.1 Pure broad-leaved forests	3.1.1.1.1 Cork oak forests	
				3.1.1.1.2 Holm oak forests	
				3.1.1.1.3 Forests of other oaks	
				3.1.1.1.4 Sweet chestnut forests	
				3.1.1.1.5 Eucalyptus forests	
				3.1.1.1.6 Forests of invasive species	
				3.1.1.1.7 Forests of other broad-leaved species	F
			3.1.1.2 Forests of broad-leaved mixtures	3.1.1.2.1 Forests of cork oak with broad-leaved trees	
				3.1.1.2.2 Forests of holm oak with broad-leaved trees	
				3.1.1.2.3 Forests of other oaks with broad-leaved trees	

LULC Classes (5 Levels)					LULC Aggregation for Regression Models
Level 1	**Level 2**	**Level 3**	**Level 4**	**Level 5**	
natural areas	3.1 Forests			3.1.1.2.4 Forests of sweet chestnut with broad-leaved trees	
				3.1.1.2.5 Forests of eucalyptus with broad-leaved trees	
				3.1.1.2.6 Forests of invasive species with broad-leaved trees	
				3.1.1.2.7 Forests of other broad-leaved species with broad-leaved trees	
		3.1.2 Coniferous forests	3.1.2.1 Pure coniferous forests	3.1.2.1.1 Maritime pine forests	
				3.1.2.1.2 Stone pine forests	
				3.1.2.1.3 Forests of other coniferous species	
			3.1.2.2 Forests of coniferous mixtures	3.1.2.2.1 Forests of maritime pine with coniferous trees	
				3.1.2.2.2 Forests of stone pine with coniferous trees	
				3.1.2.2.3 Forests of other coniferous species with coniferous trees	
		3.1.3 Mixed forests	3.1.3.1 Mixed forests of broad-leaved species with coniferous trees	3.1.3.1.1 Forests of cork oak with coniferous trees	
				3.1.3.1.2 Forests of holm oak with coniferous trees	
				3.1.3.1.3 Forests of other oaks with coniferous trees	
				3.1.3.1.4 Forests of sweet chestnut with coniferous trees	
				3.1.3.1.5 Forests of eucalyptus with coniferous trees	
				3.1.3.1.6 Forests of invasive species with coniferous trees	
				3.1.3.1.7 Forests of other broad-leaved species with coniferous trees	
				3.1.3.1.8 Forests of broad-leaved mixtures with coniferous trees	
			3.1.3.2 Mixed forests of coniferous species with broad-leaved trees	3.1.3.2.1 Forests of maritime pine with broad-leaved trees	
				3.1.3.2.2 Forests of stone pine with broad-leaved trees	
				3.1.3.2.3 Forests of other coniferous species with broad-leaved trees	
				3.1.3.2.4 Forests of coniferous mixtures with broad-leaved trees	
	3.2 Open forests, shrubs and herbaceous vegetation	3.2.1 Natural herbaceous vegetation	3.2.1.1 Natural herbaceous vegetation	3.2.1.1.1 Natural herbaceous vegetation	*A*
		3.2.2 Shrublands	3.2.2.1 Closed shrublands	3.2.2.1.1 Closed shrublands	
			3.2.2.2 Open shrublands	3.2.2.2.1 Open shrublands	
		3.2.3 Sclerophyllous vegetation	3.2.3.1 Closed sclerophyllous vegetation	3.2.3.1.1 Closed sclerophyllous vegetation	F
			3.2.3.2 Open sclerophyllous vegetation	3.2.3.2.1 Open sclerophyllous vegetation	
				3.2.4.1.1 Cork oak open forests	

LULC Classes (5 Levels)					LULC Aggregation for Regression Models
Level 1	Level 2	Level 3	Level 4	Level 5	
		3.2.4 Open forests, clearcuts and young plantations	3.2.4.1 Pure broad-leaved open forests	3.2.4.1.2 Holm oak open forests	
				3.2.4.1.3 Open forests of other oaks	
				3.2.4.1.4 Sweet chestnut open forests	
				3.2.4.1.5 Eucalyptus open forests	
				3.2.4.1.6 Open forests of invasive species	
				3.2.4.1.7 Open forests of other broad-leaved species	
			3.2.4.2 Open forests of broad-leaved mixtures	3.2.4.2.1 Open forests of cork oak with broad-leaved trees	
				3.2.4.2.2 Open forests of holm oak with broad-leaved trees	
				3.2.4.2.3 Open forests of other oaks with broad-leaved trees	
				3.2.4.2.4 Open forests of sweet chestnut with broad-leaved trees	
				3.2.4.2.5 Open forests of eucalyptus with broad-leaved trees	
				3.2.4.2.6 Open forests of invasive species with broad-leaved trees	
				3.2.4.2.7 Open forests of other broad-leaved species with broad-leaved trees	
			3.2.4.3 Pure coniferous open forests	3.2.4.3.1 Maritime pine open forests	
				3.2.4.3.2 Stone pine open forests	
				3.2.4.3.3 Open forests of other coniferous species	
			3.2.4.4 Open forests of coniferous mixtures	3.2.4.4.1 Open forests of maritime pine with coniferous trees	
				3.2.4.4.2 Open forests of stone pine with coniferous trees	
				3.2.4.4.3 Open forests of other coniferous species with coniferous trees	
			3.2.4.5 Mixed open forests of broad-leaved species with coniferous trees	3.2.4.5.1 Open forests of cork oak with coniferous trees	
				3.2.4.5.2 Open forests of holm oak with coniferous trees	
				3.2.4.5.3 Open forests of other oaks with coniferous trees	
				3.2.4.5.4 Open forests of sweet chestnut with coniferous trees	
				3.2.4.5.5 Open forests of eucalyptus with coniferous trees	
				3.2.4.5.6 Open forests of invasive species with coniferous trees	
				3.2.4.5.7 Open forests of other broad-leaved species with coniferous trees	
				3.2.4.5.8 Open forests of broad-leaved mixtures with coniferous trees	
			3.2.4.6 Mixed open forests of coniferous species	3.2.4.6.1 Open forests of maritime pine with broad-leaved trees	F
				3.2.4.6.2 Open forests of stone pine with broad-leaved trees	

LULC Classes (5 Levels)					LULC Aggregation for Regression Models
Level 1	Level 2	Level 3	Level 4	Level 5	
			with broad-leaved trees	3.2.4.6.3 Open forests of other coniferous species with broad-leaved trees	
				3.2.4.6.4 Open forests of coniferous mixtures with broad-leaved trees	
			3.2.4.7 Other woody vegetation	3.2.4.7.1 Other woody vegetation	
			3.2.4.8 Clearcuts and young plantations	3.2.4.8.1 Clearcuts	
				3.2.4.8.2 Young plantations	
			3.2.4.9 Forest nurseries	3.2.4.9.1 Forest nurseries	
			3.2.4.10 Firebreaks	3.2.4.10.1 Firebreaks	
	3.3 Open spaces with little or no vegetation	3.3.1 Beaches, dunes and sand plains	3.3.1.1 Inland beaches, dunes and sand plains	3.3.1.1.1 Inland beaches, dunes and sand plains	
			3.3.1.2 Coastal beaches, dunes and sand plains	3.3.1.2.1 Coastal beaches, dunes and sand plains	
		3.3.2 Bare rock	3.3.2.1 Bare rock	3.3.2.1.1 Bare rock	
		3.3.3 Sparsely vegetated areas	3.3.3.1 Sparsely vegetated areas	3.3.3.1.1 Sparsely vegetated areas	
		3.3.4 Burnt areas	3.3.4.1 Burnt areas	3.3.4.1.1 Burnt areas	
4 Wetlands	4.1 Inland wetlands	4.1.1 Inland marshes	4.1.1.1 Inland marshes	4.1.1.1.1 Inland marshes	
		4.1.2 Peat bogs	4.1.2.1 Peat bogs	4.1.2.1.1 Peat bogs	
	4.2 Coastal wetlands	4.2.1 Salt marshes	4.2.1.1 Salt marshes	4.2.1.1.1 Salt marshes	
		4.2.2 Saline and coastal aquaculture	4.2.2.1 Saline	4.2.2.1.1 Saline	
			4.2.2.2 Coastal aquaculture	4.2.2.2.1 Coastal aquaculture	
		4.2.3 Intertidal flats	4.2.3.1 Intertidal flats	4.2.3.1.1 Intertidal flats	NO DATA
5 Water bodies	5.1 Inland waters	5.1.1 Water courses	5.1.1.1 Natural water courses	5.1.1.1.1 Natural water courses	
			5.1.1.2 Artificial water channels	5.1.1.2.1 Artificial water channels	
		5.1.2 Water bodies	5.1.2.1 Inland lakes and lagoons	5.1.2.1.1 Artificial inland lakes and lagoons	
				5.1.2.1.2 Natural inland lakes and lagoons	
			5.1.2.2 Barrage reservoirs	5.1.2.2.1 Barrage reservoirs	
			5.1.2.3 Other artificial water bodies	5.1.2.3.1 Small dam reservoirs	
				5.1.2.3.2 Artificial ponds	
				5.1.2.3.3 Inland aquaculture	
	5.2 Marine and coastal waters	5.2.1 Coastal lagoons	5.2.1.1 Coastal lagoons	5.2.1.1.1 Coastal lagoons	
		5.2.2 Rivers mouths	5.2.2.1 Rivers mouths	5.2.2.1.1 Rivers mouths	
		5.2.3 Ocean	5.2.3.1 Ocean	5.2.3.1.1 Ocean	

S2. FACTOR C (USLE) – ADAPTATION FROM PIMENTA 1999

COS 2007 LULC class	Factor_C Pimenta (1999)	LULC classes from Pimenta (1999)	Refined Factor C	Method for Refinement
1.1.1.1.1 Continuous urban fabric predominantly vertical	0,005	1.1.1	0,005	No refinement
1.1.1.2.1 Continuous urban fabric predominantly horizontal	0,005	1.1.1	0,005	
1.1.1.3.1 Parking lots and yards	0,005	1.1.1	0,005	
1.1.2.1.1 Discontinuous urban fabric	0,010	1.1.2	0,010	
1.1.2.2.1 Sparse discontinuous urban fabric	0,010	1.1.2	0,010	
1.2.1.1.1 Industrial units	0,010	1.2.1	0,010	
1.2.1.2.1 Commercial units	0,010	1.2.1	0,010	
1.2.1.3.1 Agricultural facilities	0,010	1.2.1	0,010	
1.2.1.4.1 Public and private facilities	0,010	1.2.1	0,010	
1.2.1.5.1 Renewable energy production infrastructure	0,010	1.2.1	0,010	
1.2.1.5.2 Non-renewable energy production infrastructure	0,010	1.2.1	0,010	
1.2.1.6.1 Water supply infrastructure	0,010	1.2.1	0,010	
1.2.1.7.1 Waste and wastewater treatment infrastructure	0,010	1.2.1	0,010	
1.2.2.1.1 Road network and associated land	0,010	1.2.2	0,010	
1.2.2.2.1 Rail network and associated land	0,010	1.2.2	0,010	
1.2.3.1.1 Sea and river ports	0,010	1.2.3	0,010	
1.2.3.2.1 Ship construction and repairment docks	0,010	1.2.3	0,010	
1.2.3.3.1 Marinas and fishing harbors	0,010	1.2.3	0,010	
1.2.4.1.1 Airports	0,010	1.2.4	0,010	
1.2.4.2.1 Airfields	0,010	1.2.4	0,010	
1.3.1.1.1 Surface mines	0,500	1.3.1	0,500	
1.3.1.2.1 Quarries	0,500	1.3.1	0,500	
1.3.2.1.1 Landfills	0,100	1.3.2	0,100	
1.3.2.2.1 Dumps and scrap yards	0,100	1.3.2	0,100	
1.3.3.1.1 Construction sites	0,010	1.3.3	0,010	
1.3.3.2.1 Abandoned sites in artificial areas	0,500	1.3.4	0,500	
1.4.1.1.1 Parks and gardens	0,020	1.4.2	0,020	
1.4.1.2.1 Cemeteries	0,020	1.4.1	0,020	
1.4.2.1.1 Golf courses	0,010	1.2.5	0,010	
1.4.2.1.2 Other sports facilities	0,010	1.2.5	0,010	
1.4.2.2.1 Campsites	0,010	1.2.5	0,010	
1.4.2.2.2 Other leisure facilities	0,010	1.2.5	0,010	
1.4.2.3.1 Cultural facilities and historic zones	0,010	1.2.5	0,010	
2.1.1.1.1 Non-irrigated arable land	0,400	2.1.1	0,400	
2.1.1.2.1 Greenhouses and nurseries	0,001	2.1.4	0,001	
2.1.2.1.1 Irrigated arable land	0,200	2.1.2	0,200	
2.1.3.1.1 Rice fields	0,050	2.1.3	0,050	
2.2.1.1.1 Vineyards	0,200	2.2.1	0,200	
2.2.1.2.1 Vineyards with orchards	0,150	2.2.1/2	0,150	
2.2.1.3.1 Vineyards with olive groves	0,200	2.2.1/3	0,200	

COS 2007 LULC class	Factor_C Pimenta (1999)	LULC classes from Pimenta (1999)	Refined Factor C	Method for Refinement
2.2.2.1.1 Fresh fruit orchards	0,050	2.2.2	0,050	
2.2.2.1.2 Almond orchards	0,050	2.2.2.4	0,050	
2.2.2.1.3 Sweet chestnut orchards	0,050	2.2.2	0,050	
2.2.2.1.4 Carob orchards	0,050	2.2.2.6	0,050	
2.2.2.1.5 Citrus orchards	0,050	2.2.2.1	0,050	
2.2.2.1.6 Other orchards	0,050	2.2.2.2	0,050	
2.2.2.2.1 Fresh fruit orchards with vineyards	0,100	2.2.2/1	0,100	
2.2.2.2.2 Almond orchards with vineyards	0,100	2.2.2/1	0,100	
2.2.2.2.3 Sweet chestnut orchards with vineyards	0,100	2.2.2/1	0,100	
2.2.2.2.4 Carob orchards with vineyards	0,100	2.2.2/1	0,100	
2.2.2.2.5 Citrus orchards with vineyards	0,100	2.2.2/1	0,100	
2.2.2.2.6 Other orchards with vineyards	0,100	2.2.2/1	0,100	
2.2.2.3.1 Fresh fruit orchards with olive groves	0,100	2.2.2/3	0,100	
2.2.2.3.2 Almond orchards with olive groves	0,100	2.2.2/3	0,100	
2.2.2.3.3 Sweet chestnut orchards with olive groves	0,100	2.2.2/3	0,100	
2.2.2.3.4 Carob orchards with olive groves	0,100	2.2.2/3	0,100	
2.2.2.3.5 Citrus orchards with olive groves	0,100	2.2.2/3	0,100	
2.2.2.3.6 Other orchards with olive groves	0,100	2.2.2/3	0,100	
2.2.3.1.1 Olive groves	0,100	2.2.3	0,100	
2.2.3.2.1 Olive groves with vineyards	0,100	2.2.3/1	0,100	
2.2.3.3.1 Olive groves with orchards	0,100	2.2.3/2	0,100	
2.3.1.1.1 Permanent pastures	0,020	2.3	0,020	
2.4.1.1.1 Non-irrigated arable land associated with vineyards	0,300	2.4.1/1	0,300	
2.4.1.1.2 Non-irrigated arable land associated with orchards	0,200	2.2.2.0	0,200	
2.4.1.1.3 Non-irrigated arable land associated with olive groves	0,200	2.4.1/3	0,200	
2.4.1.2.1 Irrigated arable land associated with vineyards	0,300	2.4.1/1	0,300	
2.4.1.2.2 Irrigated arable land associated with orchards	0,200	2.2.2.0	0,200	
2.4.1.2.3 Irrigated arable land associated with olive groves	0,200	2.4.1/3	0,200	
2.4.1.3.1 Pastures associated with vineyards	0,300	2.2.3/0	0,300	
2.4.1.3.2 Pastures associated with orchards	0,020	2.2.3/0	0,020	
2.4.1.3.3 Pastures associated with olive groves	0,020	2.2.3/0	0,020	

COS 2007 LULC class	Factor_C Pimenta (1999)	LULC classes from Pimenta (1999)	Refined Factor C	Method for Refinement
2.4.2.1.1 Complex cultivation patterns	0,200	2.4.2	0,200	
2.4.3.1.1 Agriculture with natural and semi-natural vegetation	0,300	2.4	0,300	
2.4.4.1.1 AFS of cork oak with non-irrigated arable land	0,200	2.5.2/1-8	0,250	Value for Arable-Montado from Bakker et al. (2008)
2.4.4.1.2 AFS of holm oak with non-irrigated arable land	0,200	2.5.2/1-8	0,250	Value for Arable-Montado from Bakker et al. (2008)
2.4.4.1.3 AFS of other oaks with non-irrigated arable land	0,200	2.5.2/1-8	0,250	Value for Arable-Montado from Bakker et al. (2008)
2.4.4.1.4 AFS of other species with non-irrigated arable land	0,200	2.5.2/1-8	0,250	Value for Arable-Montado from Bakker et al. (2008)
2.4.4.1.5 AFS of cork and holm oaks with non-irrigated arable land	0,200	2.5.2/1-8	0,250	Value for Arable-Montado from Bakker et al. (2008)
2.4.4.1.6 AFS of other mixtures with non-irrigated arable land	0,200	2.5.2/1-8	0,250	Value for Arable-Montado from Bakker et al. (2008)
2.4.4.2.1 AFS of cork oak with irrigated arable land	0,200	2.5.2/1-8	0,250	Value for Arable-Montado from Bakker et al. (2008)
2.4.4.2.2 AFS of holm oak with irrigated arable land	0,200	2.5.2/1-8	0,250	Value for Arable-Montado from Bakker et al. (2008)
2.4.4.2.3 AFS of other oaks with irrigated arable land	0,200	2.5.2/1-8	0,250	Value for Arable-Montado from Bakker et al. (2008)
2.4.4.2.4 AFS of other species with irrigated arable land	0,200	2.5.2/1-8	0,250	Value for Arable-Montado from Bakker et al. (2008)
2.4.4.2.5 AFS of cork and holm oaks with irrigated arable land	0,200	2.5.2/1-8	0,250	Value for Arable-Montado from Bakker et al. (2008)
2.4.4.2.6 AFS of other mixtures with irrigated arable land	0,200	2.5.2/1-8	0,250	Value for Arable-Montado from Bakker et al. (2008)
2.4.4.3.1 AFS of cork oak with pastures	0,300	2.5	0,010	Value for Grassland-Montado from Bakker et al. (2008)
2.4.4.3.2 AFS of holm oak with pastures	0,300	2.5	0,010	Value for Grassland-Montado from Bakker et al. (2008)
2.4.4.3.3 AFS of other oaks with pastures	0,300	2.5	0,010	Value for Grassland-Montado from Bakker et al. (2008)
2.4.4.3.4 AFS of other species with pastures	0,300	2.5	0,010	Value for Grassland-Montado from Bakker et al. (2008)

COS 2007 LULC class	Factor_C Pimenta (1999)	LULC classes from Pimenta (1999)	Refined Factor C	Method for Refinement
2.4.4.3.5 AFS of cork and holm oaks with pastures	0,300	2.5	0,010	Value for Grassland-Montado from Bakker et al. (2008)
2.4.4.3.6 AFS of other mixtures with pastures	0,300	2.5	0,010	Value for Grassland-Montado from Bakker et al. (2008)
2.4.4.4.1 AFS of cork oak with permanent crops	0,300	2.5	0,010	Value for Grassland-Montado from Bakker et al. (2008)
2.4.4.4.2 AFS of holm oak with permanent crops	0,300	2.5	0,010	Value for Grassland-Montado from Bakker et al. (2008)
2.4.4.4.3 AFS of other oaks with permanent crops	0,300	2.5	0,010	Value for Grassland-Montado from Bakker et al. (2008)
2.4.4.4.4 AFS of other species with permanent crops	0,300	2.5	0,010	Value for Grassland-Montado from Bakker et al. (2008)
2.4.4.4.5 AFS of cork and holm oaks with permanent crops	0,300	2.5	0,010	Value for Grassland-Montado from Bakker et al. (2008)
2.4.4.4.6 AFS of other mixtures with permanent crops	0,300	2.5	0,010	Value for Grassland-Montado from Bakker et al. (2008)
3.1.1.1.1 Cork oak forests	0,100	3.1.1	0,100	No refinement
3.1.1.1.2 Holm oak forests	0,100	3.1.2	0,100	No refinement
3.1.1.1.3 Forests of other oaks	0,100	3.1.5	0,100	No refinement
3.1.1.1.4 Sweet chestnut forests	0,100	3.1.3	0,100	No refinement
3.1.1.1.5 Eucalyptus forests	0,200	3.1.6	0,200	No refinement
3.1.1.1.6 Forests of invasive species	0,100	3.1	0,100	No refinement
3.1.1.1.7 Forests of other broad-leaved species	0,100	3.1.7	0,100	No refinement
3.1.1.2.1 Forests of cork oak with broad-leaved trees	0,100	3.1	0,100	No refinement
3.1.1.2.2 Forests of holm oak with broad-leaved trees	0,100	3.1	0,100	No refinement
3.1.1.2.3 Forests of other oaks with broad-leaved trees	0,100	3.1	0,100	No refinement
3.1.1.2.4 Forests of sweet chestnut with broad-leaved trees	0,100	3.1	0,100	No refinement
3.1.1.2.5 Forests of eucalyptus with broad-leaved trees	0,100	3.1	0,150	Mean Factor C of related LULC classes from Pimenta (1999)
3.1.1.2.6 Forests of invasive species with broad-leaved trees	0,100	3.1	0,100	No refinement
3.1.1.2.7 Forests of other broad-leaved species with broad-leaved trees	0,100	3.1	0,100	No refinement
3.1.2.1.1 Maritime pine forests	0,050	3.2.1	0,050	No refinement
3.1.2.1.2 Stone pine forests	0,050	3.2.2	0,050	No refinement
3.1.2.1.3 Forests of other coniferous species	0,050	3.2.3	0,050	No refinement

COS 2007 LULC class	Factor_C Pimenta (1999)	LULC classes from Pimenta (1999)	Refined Factor C	Method for Refinement
3.1.2.2.1 Forests of maritime pine with coniferous trees	0,050	3.2	0,050	
3.1.2.2.2 Forests of stone pine with coniferous trees	0,050	3.2	0,050	
3.1.2.2.3 Forests of other coniferous species with coniferous trees	0,050	3.2	0,050	
3.1.3.1.1 Forests of cork oak with coniferous trees	0,050	3.3	0,050	
3.1.3.1.2 Forests of holm oak with coniferous trees	0,050	3.3	0,050	
3.1.3.1.3 Forests of other oaks with coniferous trees	0,050	3.3	0,050	
3.1.3.1.4 Forests of sweet chestnut with coniferous trees	0,050	3.3	0,050	
3.1.3.1.5 Forests of eucalyptus with coniferous trees	0,050	3.3	0,125	Mean Factor C of related LULC classes from Pimenta (1999)
3.1.3.1.6 Forests of invasive species with coniferous trees	0,050	3.3	0,050	
3.1.3.1.7 Forests of other broad-leaved species with coniferous trees	0,050	3.3	0,050	
3.1.3.1.8 Forests of broad-leaved mixtures with coniferous trees	0,050	3.3	0,050	
3.1.3.2.1 Forests of maritime pine with broad-leaved trees	0,050	3.3	0,050	
3.1.3.2.2 Forests of stone pine with broad-leaved trees	0,050	3.3	0,050	No refinement
3.1.3.2.3 Forests of other coniferous species with broad-leaved trees	0,050	3.3	0,050	
3.1.3.2.4 Forests of coniferous mixtures with broad-leaved trees	0,050	3.3	0,050	
3.2.1.1.1 Natural herbaceous vegetation	0,050	4.1.1	0,050	
3.2.2.1.1 Closed shrublands	0,020	4.1.2	0,010	Value for Dense shrub in Bakker et al. (2008)
3.2.2.2.1 Open shrublands	0,020	4.1.2	0,100	Value for Dense shrub in Bakker et al. (2008)
3.2.3.1.1 Closed sclerophyllous vegetation	0,020	4.1.3	0,010	Value for Dense shrub in Bakker et al. (2008)
3.2.3.2.1 Open sclerophyllous vegetation	0,020	4.1.3	0,100	Value for Dense shrub in Bakker et al. (2008)
3.2.4.1.1 Cork oak open forests	0,100	4.1.4	0,100	
3.2.4.1.2 Holm oak open forests	0,100	4.1.4	0,100	
3.2.4.1.3 Open forests of other oaks	0,100	4.1.4	0,100	
3.2.4.1.4 Sweet chestnut open forests	0,100	4.1.4	0,100	
3.2.4.1.5 Eucalyptus open forests	0,100	4.1.4	0,100	No refinement
3.2.4.1.6 Open forests of invasive species	0,100	4.1.4	0,100	
3.2.4.1.7 Open forests of other broad-leaved species	0,100	4.1.4	0,100	

COS 2007 LULC class	Factor_C Pimenta (1999)	LULC classes from Pimenta (1999)	Refined Factor C	Method for Refinement
3.2.4.2.1 Open forests of cork oak with broad-leaved trees	0,100	4.1.4	0,100	
3.2.4.2.2 Open forests of holm oak with broad-leaved trees	0,100	4.1.4	0,100	
3.2.4.2.3 Open forests of other oaks with broad-leaved trees	0,100	4.1.4	0,100	
3.2.4.2.4 Open forests of sweet chestnut with broad-leaved trees	0,100	4.1.4	0,100	
3.2.4.2.5 Open forests of eucalyptus with broad-leaved trees	0,100	4.1.4	0,100	
3.2.4.2.6 Open forests of invasive species with broad-leaved trees	0,100	4.1.4	0,100	
3.2.4.2.7 Open forests of other broad-leaved species with broad-leaved trees	0,100	4.1.4	0,100	
3.2.4.3.1 Maritime pine open forests	0,100	4.1.4	0,100	
3.2.4.3.2 Stone pine open forests	0,100	4.1.4	0,100	
3.2.4.3.3 Open forests of other coniferous species	0,100	4.1.4	0,100	
3.2.4.4.1 Open forests of maritime pine with coniferous trees	0,100	4.1.4	0,100	
3.2.4.4.2 Open forests of stone pine with coniferous trees	0,100	4.1.4	0,100	
3.2.4.4.3 Open forests of other coniferous species with coniferous trees	0,100	4.1.4	0,100	
3.2.4.5.1 Open forests of cork oak with coniferous trees	0,100	4.1.4	0,100	
3.2.4.5.2 Open forests of holm oak with coniferous trees	0,100	4.1.4	0,100	
3.2.4.5.3 Open forests of other oaks with coniferous trees	0,100	4.1.4	0,100	
3.2.4.5.4 Open forests of sweet chestnut with coniferous trees	0,100	4.1.4	0,100	
3.2.4.5.5 Open forests of eucalyptus with coniferous trees	0,100	4.1.4	0,100	
3.2.4.5.6 Open forests of invasive species with coniferous trees	0,100	4.1.4	0,100	
3.2.4.5.7 Open forests of other broad-leaved species with coniferous trees	0,100	4.1.4	0,100	
3.2.4.5.8 Open forests of broad-leaved mixtures with coniferous trees	0,100	4.1.4	0,100	
3.2.4.6.1 Open forests of maritime pine with broad-leaved trees	0,100	4.1.4	0,100	
3.2.4.6.2 Open forests of stone pine with broad-leaved trees	0,100	4.1.4	0,100	
3.2.4.6.3 Open forests of other coniferous species with broad-leaved trees	0,100	4.1.4	0,100	

COS 2007 LULC class	Factor_C Pimenta (1999)	LULC classes from Pimenta (1999)	Refined Factor C	Method for Refinement
3.2.4.6.4 Open forests of coniferous mixtures with broad-leaved trees	0,100	4.1.4	0,100	
3.2.4.7.1 Other woody vegetation	0,100	4.1.4	0,100	
3.2.4.8.1 Clearcuts	0,400	4.2	0,400	
3.2.4.8.2 Young plantations	0,400	4.2	0,400	
3.2.4.9.1 Forest nurseries	0,100	4.1.4	0,100	
3.2.4.10.1 Firebreaks	0,400	4.1.4	0,400	
3.3.1.1.1 Inland beaches, dunes and sand plains	0,050	4.2.1	0,050	
3.3.1.2.1 Coastal beaches, dunes and sand plains	0,050	4.2.1	0,050	
3.3.2.1.1 Bare rock	0,010	4.2.2	0,010	
3.3.3.1.1 Sparsely vegetated areas	0,400	4	0,400	
3.3.4.1.1 Burnt areas	0,500	4.3	0,500	
4.1.1.1.1 Inland marshes	0,005	5.1	0,005	
4.1.2.1.1 Peat bogs	0,005	5.1	0,005	
4.2.1.1.1 Salt marshes	0,005	5.2.1	0,005	
4.2.2.1.1 Salines	0,005	5.2.2	0,005	
4.2.2.2.1 Coastal aquaculture	0,005	5.2	0,005	
4.2.3.1.1 Intertidal flats	0,005	5.2.3	0,005	
5.1.1.1.1 Natural water courses	0,000	6.1.1	0,000	
5.1.1.2.1 Artificial water channels	0,000	6.1	0,000	
5.1.2.1.1 Artificial inland lakes and lagoons	0,000	6.1.2	0,000	
5.1.2.1.2 Natural inland lakes and lagoons	0,000	6.1.2	0,000	
5.1.2.2.1 Barrage reservoirs	0,000	6.1.2	0,000	
5.1.2.3.1 Small dam reservoirs	0,000	6.1.2	0,000	
5.1.2.3.2 Artificial ponds	0,000	6.1.2	0,000	
5.1.2.3.3 Inland aquaculture	0,000	6.1.2	0,000	
5.2.1.1.1 Coastal lagoons	0,000	6.2.1	0,000	
5.2.2.1.1 Rivers mouths	0,000	6.2.2	0,000	
5.2.3.1.1 Ocean	0,000	6.2.3	0,000	

S3 CONVERSION FACTOR FOR BIOMASS TO CARBON

Kyoto Protocol LULC typologies	BEF[1]	RTS[2]	CF[3]	AGB[4]	BGB[5]	Litter
01.Pinus pinaster	0.528	0.098	0.51	26.74	3.33	2.96
02.Quercus suber	1.239	0.133	0.48	20.04	3.03	2.04
03.Eucalyptus	0.63	0.249	0.48	17.97	3.88	1.85
04.Quercus rotundifolia	0.797	0.748	0.48	8.37	5.03	2.04
05.Other quercus	0.9	0.327	0.48	15.87	4.83	1.85
06.Other broadleaves	0.825	0.502	0.48	30.79	7.67	1.85
07.Pinus pinea	1.166	0.054	0.51	18.79	1.96	2.41
08.Other coniferous	0.532	0.102	0.51	14.51	1.62	2.96
09.Rain-fed crops			0.47	0.31	0.31	0.33
10.Irrigated Crops			0.47	0.31	0.31	0.33
11.Rice			0.47	0.31	0.31	0.33
12.Vineyards			0.47	3.34	2.87	0.33
13.Olive			0.47	7.85	1.15	0.33
14.Other permanent			0.47	8.46	1.48	0.33
15.Grassland			0.47	0.53	0.94	0.41
16.Wetlands			0.47	0	0	0
17.Settlements			0.47	0	0	0
18.Shrubland			0.47	8.78	4.94	4.96
19.Other land			0.47	1.05	0.59	2.07

Estimates from the NIR Report—APA (2014)

[1] BEF, biomass expansion factor; [2] RTS, root-to-shoot; [3] CF, carbon fraction (%); [4] AGB, aboveground biomass; [5] BBG, belowground biomass.

S4. HARMONIZATION OF KYOTO PROTOCOL LAND-USE CLASSES WITH COS

COS'07	KP Classes	COS'90
2.1.1.01.1	09.Rain-fed crops	CC1
2.1.1.02.1	10.Irrigated Crops	CC9
2.1.2.01.1	10.Irrigated Crops	CC2
2.1.3.01.1	11.Rice	CC3
2.2.1.01.1	12.Vineyards	VV1, V01, VA1, VO1
2.2.2.01.1	14.Other permanent	AA1, AA2, AA3, AA4, AA5, AA6, AA9, AAx, NN1, NN2, NN3, NN4 e NN6
2.2.2.01.6	14.Other permanent	AX1
2.2.2.02.1	14.Other permanent	AV1, AV2 e AV5
2.2.2.02.6	14.Other permanent	AVX
2.2.2.03.3	06.Other broadleaves	AO1, AO2, AO3, AO4, AO9 e AOx
2.2.2.03.6	14.Other permanent	AO5
2.2.3.01.1	13.Olive	OO1, OB1, OB3, OF1, OM1, ON1, OP1, OQ1 e OZ1
2.2.3.02.1	13.Olive	OV1
2.2.3.03.1	13.Olive	OA1
2.2.3.03.1	13.Olive	OA2 e OAX
2.3.1.01.1	15.Grassland	GG1
2.4.1.01.1	12.Vineyards	CV1, CV2 e VC1
2.4.1.01.2	14.Other permanent	AC1, AC2, AC3, AC5, AC9, ACX, CA1, CA2, CA9, CAX, CN0, CN2, CZD e CZO
2.4.1.01.3	13.Olive	CO1, CO2, COX, OC1 e OC2
2.4.2.01.1	09.Rain-fed crops	CX1 e CX0
2.4.3.01.1	09.Rain-fed crops	CI1, CI2 e C01

COS'07	KP Classes	COS'90
2.4.4.01.1	02.Quercus suber	BC1, CB0, CE0, CF0, CM0, CP0, CQ0, CR0, CT0, CZ0, EC1, FC1, PC1, QC1, TC1, ZC1, BC3, CB1, CB2, CB3, CBC e CBO
2.4.4.01.2	04.Quercus rotundifolia	CZ1, CZ2, CZ3, ZC0 e ZC3
2.4.4.01.4	06.Other broadleaves	CD0CD1, CE3, CF1, CM1, CM3, CQ1, MC1, MC3, NC1 e NC2
2.4.4.02.2	04.Quercus rotundifolia	BC2, EC2, FC2, PC2, QC2 e ZC2
2.4.4.04.4	06.Other broadleaves	BN1, BN2, BN3, EN1, EN2, EN3, FN1, FN2, FN3, MN2, MN3, NB2, NB3, NE2, NE3, NF1, NF2, NF3, NF4, NM2, NP1, NP2, NP3, NP4, NQ1, NQ2, NQ3, NQ4, NQ6, NR1, NR2, NR3, NT1, NT2, NT3, PN1, PN2, PN3, PN4, QN1, QN2, QN3, QN4, QN6, RN1, RN2, RN3, TN1, TN2, TN3 e ZN3
3.1.1.01.1	02.Quercus suber	BB2, BB3, BB5, EE2, EE3, EE5, EE6, FF2, FF3, FF5, QQ2, QQ3, QQ5, TT2, TT3, TT6, ZZ2, ZZ3, BB
3.1.1.01.4	06.Other broadleaves	NN5, BD2, BD3, BF5, BF6, BM2 e BO3
3.1.1.02.2	04.Quercus rotundifolia	BE2, BE3, BF2, BF3, BQ2, BQ3, BQ6, BT2, BT3, BZ2, BZ3, BZ6, EB2, EB3, EF2, EF3, EF5, EF6, EQ2, EQ3, EQ6, ET3, EZ2, EZ3, FB2, FB3, FE2, FE3, FE5, FE6, FQ2, FQ3, FQ5, FQ6, FT2, FT3, FT5, FZ2, FZ3, QB2, QB3, QB6, QE2, QE3, QF2, QF3, QF5, QF6, QT2, QT3, QT6, QZ2, QZ3, TB2, TB3, TE2, TE3, TF2, TF3, TF6,TQ2, TQ3, TQ6, ZB2, ZB3, ZB5, ZE2, ZE3, ZF2, ZF3, ZQ2, ZQ3, ZQ6, ZA3, ZB4, ZB6, ZD2, ZD3, ZM2, ZM3, ZO2, ZO3, ZR2 e ZR3
3.1.1.02.3	05.Other quercus	QZ6
3.1.1.02.4	06.Other broadleaves	NO3 e NZ2
3.1.1.02.5	03.Eucalyptus	EB4 e ED3
3.1.1.02.7	06.Other broadleaves	DB2, DB3, DF3, FA3, FB5, FB6, FD3 e FZ6
3.1.2.01.1	01.Pinus pinaster	MM2, MM3, PP2, PP3, PP5, PP6, RR2, RR3, RR5 e RR6
3.1.2.02.2	07.Pinus pinea	MP2, MP3, MR3, PM2, PM3, PR2, PR3, PR5, RP2 e RP3
3.1.3.01.1	02.Quercus suber	BM3, BP2, BP3, BR3, EM2, EM3, EP2, EP3, EP5, ER3, FM2, FM3, FM5, FP2, FP3, FP5, FP6, FR2, FR3, FR5, FR6, QM2, QM3, QP2, QP3, QP5, QP6, QR2, QR3, QR5, QR6, TP2, TP3, TR3, ZP2, ZP3 e BR2
3.1.3.01.8	06.Other broadleaves	DP2
3.1.3.02.1	01.Pinus pinaster	PA3, PD2 e PD3
3.1.3.02.2	07.Pinus pinea	ME2, ME3, MF2, MF3, MQ2, MQ3, PB2, PB3, PE2, PE3, PE5, PF2, PF3, PF5, PF6, PQ2, PQ, PQ5, PQ6, PT2, PT3, PZ2, PZ3, PZ6, RB3, RE3, RF2, RF3, RF5, RF6, RQ2, RQ3, RQ6, RT2, RZ3, MA2, MB2, MD2, MD3, MO3, MZ2 e MZ3
3.1.3.02.3	08.Other coniferous	RB2, RM3 e RZ2
3.2.1.01.1	15.Grassland	II1, II4, ID0, III, IZ1 e IZO
3.2.2.01.1	18.Shrubland	BB0, BF0, BP0, BQ0, BZ0, DD9, EE0, EF0, EM0, EP0, EQ0, EZ0, FE0, FF0, FP0, FQ0, FR0, IB0, IE0, IF0, II2, IM0, IN0, IP0, IQ0, IR0, IT0, IZ0, MM0, MP0 NN0, NP0, NQ0, PB0, PE0, PF0, PM0, PN0, PP0, PQ0, PR0, PT0, QB0, QF0, QN0, QP0, QQ0, RF0, RQ0, RR0,TP0, TT0, ZP0, ZZ0, AO0, BBO, BD0, BE0, BM0, BN0, DB0, EB0, FB0, FM0, FZ0, IBO, IC1, IC2, IPO, IQ1, JB4, JI1, JJ9, JO0, JPO, JYI, MB0, MF0, MZ0, NB0, OB0, OZ0, QZ0, VB0, ZB0, ZF0, ZQ0, ZZO e BB6
3.2.3.01.1	18.Shrubland	DD1, FF6, IO0, QQ6 e ZZ6
3.2.3.02.1	18.Shrubland	IO e IO1
3.2.4.01.1	02.Quercus suber	BB1, EE1, FF1, QQ1, TT1, ZZ1
3.2.4.02.1	02.Quercus suber	BD1, BE1, BM1 e BO1
3.2.4.02.2	04.Quercus rotundifolia	BF1, BQ1, BZ1, EB1, EF1, EQ1, ET1, EZ1, FB1, FE1, FQ1, FT1, FZ1, QB1, QE1, QF1, QT1, QZ1, TB1, TF1, TQ1, ZB1, ZF1, ZQ1, ZD1, ZN1 e ZO1
3.2.4.02.4	06.Other broadleaves	NO1, DA1, DB1, DE1 e DZ1
3.2.4.03.3	08.Other coniferous	MM1, PP1 e RR1
3.2.4.04.1	01.Pinus pinaster	PM1
3.2.4.04.2	07.Pinus pinea	MP1

COS'07	KP Classes	COS'90
3.2.4.05.5	03.Eucalyptus	BP1, BR1, EM1, EP1, FM1, FP1, FR1, QM1, QP1, QR1 ,TP1 e ZP1
3.2.4.05.7	06.Other broadleaves	DP1
3.2.4.06.1	01.Pinus pinaster	PB1, PB5, PD1, PE1, PF1, PQ1, PZ0 e PZ1
3.2.4.06.2	07.Pinus pinea	MB1, MB3, MF1 e MZ1
3.3.1.01.1	19.Other land	JY1,
3.3.2.01.1	19.Other land	JY2
3.3.3.01.1	19.Other land	JB0, JE0, JF0, JM0, JN0, JP0, JQ0, JR0, JT0 e JZ0
3.3.4.01.1	18.Shrubland	BB4, BP4, BQ4, BT4, BZ4 ,EE4, EF4, EP4, FE4, FF4, FM4, FP4, FQ4, FR4, IE4, IF4, IO4, IP4, IQ4, IZ4, JP4, MF4, MM4, MP4, PB4, PE4, PF4, PM4, PP4, PQ4, PR4, PT4, PZ4, QB4, QF4, QM4, QP4, QQ4, QR4, QT4, QZ4, RF4, RP4, RQ4, RR4, TT4, ZP4, ZQ4 e ZZ4

S5. "PURE"CROPS AND LULC

EUNIS ptMAES N	COS07N5	Classes puras atribuídas
FB.4 : Vineyards	2.2.1.01.1 Vinhas	Sim
	2.2.1.02.1 Vinhas com pomar	x
	2.2.1.03.1 Vinhas com olival	x
G1.D1 : [Castanea sativa] plantations	2.2.2.01.3 Pomares de castanheiro	Sim
G1.D1 : [Castanea sativa] plantations	2.2.2.03.3 Pomares de castanheiro com olival	x
	3.1.1.01.4 Florestas de castanheiro	x
G1.7D : [Castanea sativa] woodland	3.1.1.02.4 Florestas de castanheiro com folhosas	x
	3.2.4.01.4 Florestas abertas de castanheiro	x
	3.2.4.02.4 Florestas abertas de castanheiro com folhosas	x
	2.2.2.01.1 Pomares de frutos frescos	Sim
G1.D4 : Fruit orchards	2.2.2.02.1 Pomares de frutos frescos com vinha	x
	2.2.2.03.1 Pomares de frutos frescos com olival	x
	2.2.2.01.6 Outros pomares	Sim
G1.D5 : Other high-stem orchards	2.2.2.02.6 Outros pomares com vinha	x
	2.2.2.03.6 Outros pomares com olival	x
	2.2.3.01.1 Olivais	Sim
G2.91 : [Olea europaea] groves	2.2.3.02.1 Olivais com vinha	x
	2.2.3.03.1 Olivais com pomar	x
G2.92 : Citrus orchards	2.2.2.01.5 Pomares de citrinos	Sim
	2.2.2.03.5 Pomares de citrinos com olival	x
I1 : Arable land and market gardens	2.1.2.01.1 Culturas temporárias de regadio	Sim
	2.1.1.01.1 Culturas temporárias de sequeiro	Sim
	2.4.1.01.1 Culturas temporárias de sequeiro associadas a vinha	x
	2.4.1.01.2 Culturas temporárias de sequeiro associadas a pomar	x
I1.3 : Arable land with unmixed crops grown by low-intensity agricultural methods	2.4.1.01.3 Culturas temporárias de sequeiro associadas a olival	x
	2.4.1.02.1 Culturas temporárias de regadio associadas a vinha	x
	2.4.1.02.2 Culturas temporárias de regadio associadas a pomar	x
	2.4.1.02.3 Culturas temporárias de regadio associadas a olival	x
I1.4 : Inundated or inundatable croplands, including rice fields	2.1.3.01.1 Arrozais	Sim

S6 RESULTS PER ECOSYSTEM TYPE/EUNIS HABITAT

The following tables present a breakdown of the area (and %) of different levels of EC and ES supply per ecosystem class (EUNIS classification).

EUNIS class	Soil Organic Matter (tC/ha)							
	50 - 65	65 - 70	70 - 75	75 - 80	80 - 85	85 - 90	>90	No Data
B1 Coastal dunes and sandy shores	27 0,67%	7 0,18%	7 0,18%	5 0,13%	134 3,36%	180 4,50%	984 24,65%	2 647 66,33%
B3 Rock cliffs, ledges and shores, including the supralittoral	<0,005 0,23%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	0,04 0,04%	1,75 1,54%	112,12 98,20%
E1 Dry grasslands	357 520 81,86%	24 570 5,63%	11 458 2,62%	5 776 1,32%	25 481 5,83%	3 671 0,84%	844 0,19%	7 406 1,70%
E3 Seasonally wet and wet grasslands	2 251 69,26%	151 4,64%	23 0,72%	68 2,10%	513 15,80%	115 3,53%	27 0,82%	102 3,14%
E7 Sparsely wooded grasslands	83 563 13,44%	440 351 70,85%	667 0,11%	9 699 1,56%	19 221 3,09%	32 648 5,25%	5.766 0,93%	29 611 4,76%
F3 Temperate and Mediterraneanmontane scrub	48 3,56%	13 0,96%	4 0,27%	21 1,54%	100 7,38%	632 46,77%	505 37,37%	29 2,14%
F4 Temperate shrub heathland	419 0,99%	498 1,18%	114 0,27%	384 0,91%	3 674 8,71%	14 674 34,77%	22.004 52,15%	430 1,02%
F5Maquis, arborescent matorral and thermoMediterranean brushes	684 1,12%	569 0,93%	103 0,17%	87 0,14%	13 120 21,40%	19 845 32,37%	26.073 42,53%	820 1,34%
F6 Garrigue	349	247	84	293	3 820	5 751	9.870	417

	1,68%	1,19%	0,40%	1,40%	18,34%	27,61%	47,38%	2,00%
FB Shrub plantations	40 393 96,51%	140 0,34%	350 0,84%	418 1,00%	143 0,34%	61 0,15%	51 0,12%	296 0,71%
G1 Broadleaved deciduous woodland	3 670 14,26%	350 1,36%	286 1,11%	2 893 11,24%	2 852 11,08%	7 983 31,01%	7.392 28,72%	316 1,23%
G2 Broadleaved evergreen woodland	76 506 11,15%	256 184 37,35%	117 008 17,06%	24 914 3,63%	124 128 18,09%	45 511 6,63%	25.674 3,74%	16 057 2,34%
G3 Coniferous woodland	748 0,69%	557 0,51%	411 0,38%	18 142 16,77%	1 204 1,11%	10 673 9,86%	73.430 67,87%	3 032 2,80%
G4 Mixed deciduous and coniferous woodland	1 488 2,14%	14 552 20,96%	244 0,35%	17 309 24,93%	3 427 4,94%	10 702 15,41%	19.716 28,39%	2 000 2,88%
G5 Lines of trees, small anthropogenic woodlands, recently felled woodland, early stage and coppice	1 641 0,69%	10 291 4,34%	126 0,05%	1 513 0,64%	865 0,37%	4 795 2,02%	548 0,23%	217 098 91,65%
H3 Inland cliffs, rock pavements and outcrops	16 1,20%	17 1,25%	1 0,05%	1 0,07%	9 0,67%	12 0,90%	9 0,67%	1 260 95,18%
H5 Miscellaneous inland habitats with very sparse or no vegetation	307 3,12%	848 8,61%	15 0,16%	94 0,96%	594 6,03%	1 912 19,41%	481 4,88%	5 599 56,83%
I1 Arable land and market gardens	618 409 93,67%	8 224 1,25%	9 488 1,44%	2 303 0,35%	12 529 1,90%	5 040 0,76%	656 0,10%	3 556 0,54%
J2 Low density buildings	729 91,28%	31 3,86%	1 0,17%	2 0,29%	0,2 0,02%	33 4,19%	1 0,18%	0,1 0,01%
X07 Intensively farmed crops interspersed with strips of natural and/or seminatural vegetation	3 813 90,42%	12 0,28%	15 0,36%	26 0,62%	306 7,24%	19 0,46%	23 0,54%	3 0,08%
Total	**1 192 584 39,28%**	**757 612 24,96%**	**140 406 4,63%**	**83 947 2,77%**	**212 121 6,99%**	**164 258 5,41%**	**194.054 6,39%**	**290 791 9,58%**

EUNIS class	Ecological Value of Plant Communities Score					Total	% Study Area
	1	2	3	4	5		
B1 Coastal dunes and sandy shores	0 0%	0 0,00%	0 0,00%	2 715 100,00%	0 0,00%	**2 715** **100%**	**0,09%**
B1.6 Coastal dune scrub	0 0%	0 0,00%	0 0,00%	582 45,62%	694 54,38%	**1 276** **100%**	**0,04%**
B3 Rock cliffs, ledges and shores, including the supralittoral	0 0%	0 0,00%	0 0,00%	0 0,00%	114 100,00%	**114** **100%**	**<0,005%**
E1 Dry grasslands	0 0%	66 365 15,19%	369 114 84,51%	1 295 0,30%	0 0,00%	**436 775** **100%**	**14,39%**
E3 Seasonally wet and wet grasslands	0 0%	0 0,00%	3 283 100,00%	0 0,00%	0 0,00%	**3 283** **100%**	**0,11%**
E7.3 Dehesa	0 0%	4 961 0,80%	597 007 96,01%	19 855 3,19%	0 0,00%	**621 823** **100%**	**20,48%**
F3.1 Temperate thickets and scrub	0 0%	711 52,60%	633 46,83%	8 0,57%	0 0,00%	**1 352** **100%**	**0,04%**
F4.2 Dry heaths	0 0%	21 390 50,69%	20 806 49,31%	0 0,00%	0 0,00%	**42 196** **100%**	**1,39%**
F5 Maquis, arborescent matorral and thermo-Mediterranean brushes	0 0%	0 0,00%	1 052 45,10%	1 281 54,90%	0 0,00%	**2 334** **100%**	**0,08%**
F5.2 Maquis	0 0%	0 0,00%	35 107 96,48%	1 221 3,36%	58 0,16%	**36 386** **100%**	**1,20%**
F5.5 Thermo-Mediterranean scrub	0 0%	0 0,00%	20 270 89,75%	2 315 10,25%	0 0,00%	**22 585** **100%**	**0,74%**
F6.1 Western garrigues	0 0%	10 036 48,15%	10 544 50,58%	264 1,27%	0 0,00%	**20 844** **100%**	**0,69%**
FB.4 Vineyards	41 853 100%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	**41 853** **100%**	**1,38%**
G1 Broadleaved deciduous woodland	0 0%	0 0,00%	544 3,06%	17 114 96,15%	141 0,79%	**17 800** **100%**	**0,59%**
G1.772 Portuguese [Quercus faginea] forests	0 0%	0 0,00%	0 0,00%	204 39,26%	315 60,74%	**519** **100%**	**0,02%**
G1.7B [Quercus pyrenaica] woodland	0 0%	0 0,00%	0 0,00%	1 177 34,19%	2 266 65,81%	**3 443** **100%**	**0,11%**
G1.7D [Castanea sativa] woodland	0 0%	0 0,00%	924 100%	0 0,00%	0 0,00%	**924** **100%**	**0,03%**
G1.D1 [Castanea sativa] plantations	203 100%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	**203** **100%**	**0,01%**
G1.D3 [Prunus amygdalus] groves	39 100%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	**39** **100%**	**<0,005%**
G1.D4 Fruit orchards	2 255 100%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	**2 255** **100%**	**0,07%**
G1.D5 Other high-stem orchards	559 100%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	**559** **100%**	**0,02%**
G2.1 Mediterranean evergreen [Quercus] woodland	0 0%	0 0,00%	0 0,00%	2 9,91%	17 90,09%	**19** **100%**	**<0,005%**
G2.112 Southwestern Iberian [Quercus suber] forests	0 0%	0 0,00%	0 0,00%	238 006 97,16%	6 964 2,84%	**244 970** **100%**	**8,07%**
G2.124 [Quercus rotundifolia] woodland	0 0%	0 0,00%	0 0,00%	139 634 98,47%	2 175 1,53%	**141 809** **100%**	**4,67%**
G2.81 [Eucalyptus] plantations	132 293 100%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	**132 293** **100%**	**4,36%**
G2.83 Other evergreen broadleaved tree plantations	268 100%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	**268** **100%**	**0,01%**
G2.91 [Olea europaea] groves	126 981 76,86%	0 0,00%	38 222 23,14%	0 0,00%	0 0,00%	**165 203** **100%**	**5,44%**
G2.92 Citrus orchards	1 465 100%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	**1 465** **100%**	**0,05%**
G3.714 Iberian [Pinus pinaster ssp. atlantica] forests	0 0%	0 0,00%	22 809 100%	0 0,00%	0 0,00%	**22 809** **100%**	**0,75%**

EUNIS class	Ecological Value of Plant Communities Score					Total	% Study Area
	1	**2**	**3**	**4**	**5**		
G3.7312 Lusitanian stone pine forests	0 0%	0 0,00%	26 181 100%	0 0,00%	0 0,00%	**26 181** **100%**	**0,86%**
G3.F2 Exotic conifer plantations	3 994 100%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	**3 994** **100%**	**0,13%**
G3.F22 Exotic pine plantations	55 217 100%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	**55 217** **100%**	**1,82%**
G4.B Mixed Mediterranean [Pinus] - thermophilous [Quercus] woodland	0 0%	0 0,00%	9 662 100%	0 0,00%	0 0,00%	**9 662** **100%**	**0,32%**
G4.F Mixed forestry plantations	59 777 100%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	**59 777** **100%**	**1,97%**
G5.7 Coppice and early-stage plantations	220 337 100%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	**220 337** **100%**	**7,26%**
G5.8 Recently felled areas	16 551 100%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	**16 551** **100%**	**0,55%**
H3 Inland cliffs, rock pavements and outcrops	0 0%	0 0,00%	1 324 100%	0 0,00%	0 0,00%	**1 324** **100%**	**0,04%**
H5.3 Sparsely- or un-vegetated habitats on mineral substrates not resulting from recent ice activity	0 0%	4 335 76,10%	1 362 23,90%	0 0,00%	0 0,00%	**5 697** **100%**	**0,19%**
H5.5 Burnt areas with very sparse or no vegetation	2 100 100%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	**2 100** **100%**	**0,07%**
H5.61 Unsurfaced pathways	2 057 100%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	**2 057** **100%**	**0,07%**
I1 Arable land and market gardens	149 950 100%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	**149 950** **100%**	**4,94%**
I1.22 Small-scale market gardens and horticulture, including allotments	34 815 100%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	**34 815** **100%**	**1,15%**
I1.3 Arable land with unmixed crops grown by low-intensity agricultural methods	455 231 100%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	**455 231** **100%**	**14,99%**
I1.4 Inundated or inundatable croplands, including rice fields	20 221 100%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	**20 221** **100%**	**0,67%**
J2.43 Greenhouses	799 100%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	**799** **100%**	**0,03%**
X07 Intensively-farmed crops interspersed with strips of natural and/or semi-natural vegetation	4 217 100%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	**4 217** **100%**	**0,14%**
Total	**1 331 183** **43,84%**	**107 799** **3,55%**	**1 158 843** **38,17%**	**425 674** **14,02%**	**12 745** **0,42%**	**3 036 244** **100%**	**100%**

Blanks are 0 (zero)

EUNIS class	Plant Diversity Score						Total	% Study Area
	0	**1**	**2**	**3**	**4**	**5**		
B1 Coastal dunes and sandy shores	0 0%	0 0%	1 692 62,33%	0 0%	1 023 37,67%	0 0%	**2 715** **100%**	**0,09%**
B1.6 Coastal dune scrub	0 0%	0 0%	638 50,01%	0 0%	638 49,99%	0 0%	**1 276** **100%**	**0,04%**
B3 Rock cliffs, ledges and shores, including the supralittoral	0 0%	0 0%	114 100%	0 0%	0 0%	0 0%	**114** **100%**	**<0,005%**
E1 Dry grasslands	0 0%	0 0%	234 533 53,70%	165 038 37,79%	12 048 2,76%	25 156 5,76%	**436 775** **100%**	**14,39%**
E3 Seasonally wet and wet grasslands	0 0%	0 0%	0 0%	0 0%	3 283 100%	0 0%	**3 283** **100%**	**0,11%**

EUNIS class	Plant Diversity Score						Total	% Study Area
	0	1	2	3	4	5		
E7.3 Dehesa	0 0%	66 144 10,64%	0 0%	0 0%	555 679 89,36%	0 0%	621 823 100%	20,48%
F3.1 Temperate thickets and scrub	0 0%	0 0%	0 0%	1 352 100%	0 0%	0 0%	1 352 100%	0,04%
F4.2 Dry heaths	0 0%	0 0%	42 196 100%	0 0%	0 0%	0 0%	42 196 100%	1,39%
F5 Maquis, arborescent matorral and thermo-Mediterranean brushes	0 0%	0 0%	623 26,72%	206 8,84%	1 504 64,44%	0 0%	2 334 100%	0,08%
F5.2 Maquis	0 0%	0 0%	3 167 8,70%	4 875 13,40%	28 344 77,90%	0 0%	36 386 100%	1,20%
F5.5 Thermo-Mediterranean scrub	0 0%	8 973 39,73%	12 299 54,46%	1 313 5,81%	0 0%	0 0%	22 585 100%	0,74%
F6.1 Western garrigues	0 0%	14 0,07%	15 004 71,98%	3 767 18,07%	2 059 9,88%	0 0%	20 844 100%	0,69%
FB.4 Vineyards	0 0%	41 853 100%	0 0%	0 0%	0 0%	0 0%	41 853 100%	1,38%
G1 Broadleaved deciduous woodland	0 0%	0 0%	11 521 64,73%	6 279 35,27%	0 0%	0 0%	17 800 100%	0,59%
G1.772 Portuguese [Quercus faginea] forests	0 0%	0 0%	352 67,83%	107 20,59%	60 11,59%	0 0%	519 100%	0,02%
G1.7B [Quercus pyrenaica] woodland	0 0%	0 0%	39 1,13%	3 404 98,87%	0 0%	0 0%	3 443 100%	0,11%
G1.7D [Castanea sativa] woodland	0 0%	0 0%	0 0%	924 100%	0 0%	0 0%	924 100%	0,03%
G1.D1 [Castanea sativa] plantations	0 0%	203 100%	0 0%	0 0%	0 0%	0 0%	203 100%	0,01%
G1.D3 [Prunus amygdalus] groves	0 0%	39 100%	0 0%	0 0%	0 0%	0 0%	39 100%	<0,005%
G1.D4 Fruit orchards	0 0%	2 255 100%	0 0%	0 0%	0 0%	0 0%	2 255 100%	0,07%
G1.D5 Other high-stem orchards	0 0%	559 100%	0 0%	0 0%	0 0%	0 0%	559 100%	0,02%
G2.1 Mediterranean evergreen [Quercus] woodland	0 0%	0 0%	19 100%	0 0%	0 0%	0 0%	19 100%	<0,005%
G2.112 Southwestern Iberian [Quercus suber] forests	0 0%	0 0%	27 250 11,12%	117 815 48,09%	99 905 40,78%	0 0%	244 970 100%	8,07%
G2.124 [Quercus rotundifolia] woodland	0 0%	0 0%	116 042 81,83%	11 262 7,94%	14 505 10,23%	0 0%	141 809 100%	4,67%
G2.81 [Eucalyptus] plantations	0 0%	132 293 100%	0 0%	0 0%	0 0%	0 0%	132 293 100%	4,36%
G2.83 Other evergreen broadleaved tree plantations	0 0%	268 100%	0 0%	0 0%	0 0%	0 0%	268 100%	0,01%
G2.91 [Olea europaea] groves	0 0%	126 978 76,86%	0 0%	38 225 23,14%	0 0%	0 0%	165 203 100%	5,44%
G2.92 Citrus orchards	0 0%	1 465 100%	0 0%	0 0%	0 0%	0 0%	1 465 100%	0,05%
G3.714 Iberian [Pinus pinaster ssp. atlantica] forests	0 0%	0 0%	1 931 8,47%	0 0%	20 877 91,53%	0 0%	22 809 100%	0,75%
G3.7312 Lusitanian stone pine forests	0 0%	0 0%	489 1,87%	0 0%	25 692 98,13%	0 0%	26 181 100%	0,86%
G3.F2 Exotic conifer plantations	0 0%	3 994 100%	0 0%	0 0%	0 0%	0 0%	3 994 100%	0,13%
G3.F22 Exotic pine plantations	0 0%	55 217 100%	0 0%	0 0%	0 0%	0 0%	55 217 100%	1,82%
	0	0	188	0	9 474	0	9 662	

EUNIS class	Plant Diversity Score						Total	% Study Area
	0	1	2	3	4	5		
G4.B Mixed mediterranean [Pinus] - thermophilous [Quercus] woodland	0%	0%	1,95%	0%	98,05%	0%	100%	0,32%
G4.F Mixed forestry plantations	80 0,13%	59 697 99,87%	0 0%	0 0%	0 0%	0 0%	59 777 100%	1,97%
G5.7 Coppice and early-stage plantations	220337 100%	0 0%	0 0%	0 0%	0 0%	0 0%	220 337 100%	7,26%
G5.8 Recently felled areas	16 551 100%	0 0%	0 0%	0 0%	0 0%	0 0%	16 551 100%	0,55%
H3 Inland cliffs, rock pavements and outcrops	0 0%	0 0%	1 324 100%	0 0%	0 0%	0 0%	1 324 100%	0,04%
H5.3 Sparsely- or un-vegetated habitats on mineral substrates not resulting from recent ice activity	0 0%	5 208 91,42%	489 8,58%	0 0%	0 0%	0 0%	5 697 100%	0,19%
H5.5 Burnt areas with very sparse or no vegetation	2 100 100%	0 0%	0 0%	0 0%	0 0%	0 0%	2 100 100%	0,07%
H5.61 Unsurfaced pathways	2 057 100%	0 0%	0 0%	0 0%	0 0%	0 0%	2 057 100%	0,07%
I1 Arable land and market gardens	0 0%	149 950 100%	0 0%	0 0%	0 0%	0 0%	149 950 100%	4,94%
I1.22 Small-scale market gardens and horticulture, including allotments	0 0%	34 815 100%	0 0%	0 0%	0 0%	0 0%	34 815 100%	1,15%
I1.3 Arable land with unmixed crops grown by low-intensity agricultural methods	0 0%	455 231 100%	0 0%	0 0%	0 0%	0 0%	455 231 100%	14,99%
I1.4 Inundated or inundatable croplands, including rice fields	0 0%	20 221 100%	0 0%	0 0%	0 0%	0 0%	20 221 100%	0,67%
J2.43 Greenhouses	799 100%	0 0%	0 0%	0 0%	0 0%	0 0%	799 100%	0,03%
X07 Intensively-farmed crops interspersed with strips of natural and/or semi-natural vegetation	0 0%	4 217 100%	0 0%	0 0%	0 0%	0 0%	4 217 100%	0,14%

EUNIS class	Bird Diversity Score						Total
	0	1	2	3	4	5	
B1 Coastal dunes and sandy shores	0 0	52 1%	311 7%	2 022 45%	1 244 28%	829 19%	4 458 100%
E1 Dry grasslands	1 089 0,3%	79 626 18%	108 605 25%	102 332 24%	90 720 21%	51 425 12%	433 797 100%
E3 Seasonally wet and wet grasslands	0 0%	622 21%	518 17%	674 22%	829 28%	363 12%	3 007 100%
E7 Sparsely wooded grasslands	5 184 1%	123 327 20%	180 766 29%	168 169 27%	106 583 17%	38 465 6%	622 495 100%
F3 Temperate and Mediterranean-montane scrub	0 0%	0 0%	52 4%	259 19%	259 19%	778 58%	1 348 100%
F4 Temperate shrub heathland	0 0%	156 0,4%	1 503 3%	5 651 13%	14 982 35%	20 892 48%	43 183 100%
F5 Maquis, arborescent matorral and thermo-Mediterranean brushes	104 0,2%	8 709 14%	14 878 25%	14 982 25%	14 826 25%	6 791 11%	60 290 100%
F6 Garrigue	0	1 659	3 681	4 666	5 132	5 340	20 477

EUNIS class		Bird Diversity Score						Total
		0	1	2	3	4	5	
		0%	8%	18%	23%	25%	26%	100%
FB	Shrub plantations	363 1%	9 124 22%	7 258 17%	6 117 14%	10 264 24%	9 176 22%	42 301 100%
G1	Broadleaved deciduous woodland	0 0%	1 503 6%	2 748 11%	6 791 26%	6 013 23%	9 020 35%	26 076 100%
G2	Broadleaved evergreen woodland	4 977 1%	89 839 13%	149 558 22%	173 975 25%	168 013 24%	100 518 15%	686 880 100%
G3	Coniferous woodland	259 0,2%	8 968 8%	24 209 22%	29 393 27%	29 652 28%	15 293 14%	107 775 100%
G4	Mixed deciduous and coniferous woodland	0 0%	3 473 5%	14 100 20%	20 995 29%	19 958 28%	12 701 18%	71 228 100%
G5	Lines of trees, small anthropogenic woodlands, recently felled woodland, early-stage woodland and coppice	2 903 1%	49 974 21%	54 432 23%	53 395 23%	48 315 21%	24 676 11%	233 695 100%
H3	Inland cliffs, rock pavements and outcrops	0 0%	0 0%	311 19%	104 6%	467 29%	726 45%	1 607 100%
H5	Miscellaneous inland habitats with very sparse or no vegetation	0 0%	1 607 16%	1 452 15%	2 385 24%	1 763 18%	2 540 26%	9 746 100%
I1	Arable land and market gardens	10 264 2%	208 449 31%	137 894 21%	116 640 18%	114 774 17%	77 501 12%	665 522 100%
J2	Low density buildings	0 0%	104 11%	52 5%	363 37%	311 32%	156 16%	985 100%
X07	Intensively-farmed crops interspersed with strips of natural and/or semi-natural vegetation	0 0%	933 24%	311 8%	778 20%	674 17%	1 192 31%	3 888 100%
Total		25.142 0,8%	588 125 19,4%	702 639 23,1%	709 690 23,4%	634 781 20,9%	378 380 12,5%	3 038 75 100%

% Area (of total study area) of high supply of Control of Erosion Rates (over 50t/ha) per EUNIS class
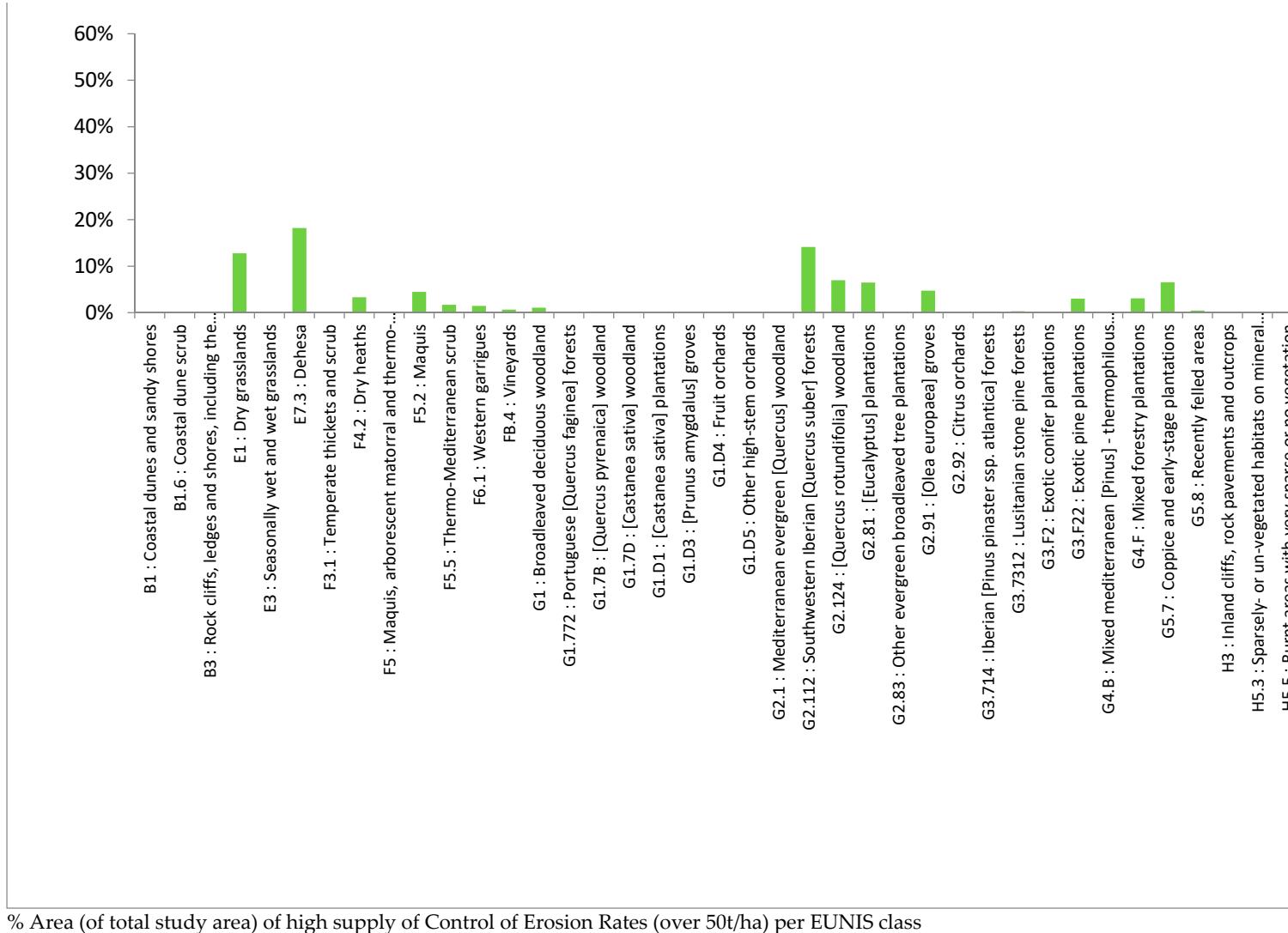
EUNIS class	Carbon Sequestration (tC/ha/ano)							
	< -4	-4 a -2	-2 a -1	-1 a 0	0 a 2	2 a 4	4 a 6	>8
B1 Coastal dunes and sandy shores	3	564	78	2 407	370	357	1	33
	0,07%	14,13%	1,97%	60,32%	9,26%	8,94%	0,03%	0,82%
B3 Rock cliffs, ledges and shores, including the supralittoral	0	17	0	86	1	5	0	
	0,00%	14,70%	0,00%	75,07%	1,28%	4,45%	0,00%	
E1 Dry grasslands	920	29 814	113 262	84 147	197 681	3 589	176	43
	0,21%	6,83%	25,93%	19,27%	45,26%	0,82%	0,04%	0,01%
E3 Seasonally wet and wet grasslands	14	624	397	505	1 407	208	6	3
	0,43%	19,21%	12,22%	15,55%	43,28%	6,41%	0,19%	0,08%
E7 Sparsely wooded grasslands	2 803	17 488	217 437	79 974	255 891	17 066	1 456	88
	0,45%	2,81%	34,98%	12,87%	41,17%	2,75%	0,23%	0,01%
F3 Temperate and Mediterranean-montane scrub	5	6	16	344	562	320	2	77
	0,39%	0,45%	1,21%	25,47%	41,54%	23,69%	0,11%	5,72%
F4 Temperate shrub heathland	104	155	407	16 225	15 786	8 972	22	133
	0,25%	0,37%	0,96%	38,45%	37,41%	21,26%	0,05%	0,32%
F5 Maquis, arborescent matorral and thermo-Mediterranean brushes	482	252	756	22 421	20 756	15 611	13	356
	0,79%	0,41%	1,23%	36,57%	33,86%	25,47%	0,02%	0,58%
F6 Garrigue	187	139	236	8 140	6 365	5 197	5	197
	0,90%	0,67%	1,14%	39,08%	30,56%	24,95%	0,03%	0,95%
FB Shrub plantations	123	573	1 565	22 924	16 283	82	13	1
	0,29%	1,37%	3,74%	54,77%	38,91%	0,20%	0,03%	0,00%
G1 Broadleaved deciduous woodland	188	171	320	2 127	10 347	8 444	2 139	1 765
	0,73%	0,66%	1,24%	8,26%	40,20%	32,80%	8,31%	6,86%
G2 Broadleaved evergreen woodland	5 689	43 999	107 138	279 123	231 613	2 162	520	88
	0,83%	6,41%	15,62%	40,69%	33,76%	0,32%	0,08%	0,01%
G3 Coniferous woodland	43	225	22 228	1 325	15 399	63 090	2 593	320
	0,04%	0,21%	20,54%	1,22%	14,23%	58,31%	2,40%	0,30%
G4 Mixed deciduous and coniferous woodland	47	2 490	3 606	11 414	21 373	27 029	1 336	208
	0,07%	3,59%	5,19%	16,44%	30,78%	38,92%	1,92%	0,30%
G5 Lines of trees, small anthropogenic woodlands, recently felled woodland, earlystage woodland and coppice	216	4 485	888	3 421	10 370	439	23	11
	0,09%	1,89%	0,37%	1,44%	4,38%	0,19%	0,01%	0,00%
H3 Inland cliffs, rock pavements and outcrops	2	242	148	745	142	42	0	0
	0,16%	18,26%	11,22%	56,28%	10,72%	3,15%	0,00%	0,00%
H5 Miscellaneous inland habitats with very sparse or no vegetation	1 615	2 064	1 288	1 862	2 053	678	3	4
	16,39%	20,95%	13,07%	18,90%	20,84%	6,88%	0,03%	0,04%
I1 Arable land and market gardens	1 715	15 076	59 230	572 111	4 513	4 066	158	71
	0,26%	2,28%	8,97%	86,66%	0,68%	0,62%	0,02%	0,01%
J2 Low density buildings	0	33	16	742	5	2	0	0
	0,00%	4,14%	2,01%	92,89%	0,66%	0,25%	0,04%	0,00%
X07 Intensivelyfarmed crops interspersed with strips of natural and/or seminatural vegetation	8	316	620	3.226	24	19	0	1
	0,18%	7,48%	14,71%	76,50%	0,58%	0,45%	0,00%	0,01%
Total	14.162	118.734	529.638	1.113.268	810.941	157.377	8.467	3.398
	0,47%	3,91%	17,45%	36,67%	26,71%	5,18%	0,28%	0,11%

EUNIS class	Fiber Production (m³/ha/ano)					
	0	0,5	2,9	4,9	5,6	9,4
B1 Coastal dunes and sandy shores	3 945 98,86%	10 0,24%	1 0,02%	0 0%	33 0,84%	2 0,04%
B3 Rock cliffs, ledges and shores, including the supralittoral	114 100%	0 0%	0 0%	0 0%	0 0%	0 0%
E1 Dry grasslands	427 124 97,80%	8 063 1,85%	465 0,11%	3 0%	570 0,13%	501 0,11%
E3 Seasonally wet and wet grasslands	3 115 95,85%	87 2,66%	19 0,59%	0 0%	16 0,50%	13 0,40%
E7 Sparsely wooded grasslands	8 989 1,45%	586 584 94,38%	25 432 4,09%	1 0%	267 0,04%	252 0,04%
F3 Temperate and Mediterranean montane scrub	1 293 95,63%	24 1,78%	11 0,81%	0 0%	15 1,13%	9 0,66%
F4 Temperate shrub heathland	40 907 96,95%	633 1,50%	108 0,26%	0 0%	197 0,47%	350 0,83%
F5 Maquis, arborescent matorral and thermo Mediterranean brushes	60 219 98,23%	795 1,30%	68 0,11%	2 0%	59 0,10%	158 0,26%
F6 Garrigue	20 285 97,38%	357 1,71%	35 0,17%	0 0%	67 0,32%	88 0,42%
FB Shrub plantations	41 641 99,49%	102 0,24%	26 0,06%	1 0%	29 0,07%	53 0,13%
G1 Broadleaved deciduous woodland	5 074 19,71%	443 1,72%	20 052 77,90%	0 0%	78 0,30%	93 0,36%
G2 Broadleaved evergreen woodland	172 863 25,20%	381 125 55,56%	1 152 0,17%	0 0%	830 0,12%	130 011 18,95%
G3 Coniferous woodland	1 584 1,46%	818 0,76%	90 0,08%	137 0,13%	105 205 97,23%	365 0,34%
G4 Mixed deciduous and coniferous woodland	1 383 1,99%	25 239 36,35%	4 157 5,99%	130 0,19%	34 700 49,97%	3 830 5,52%
G5 Lines of trees, small anthropogenic woodlands, recently felled woodland, earlystage woodland and coppice	218 077 92,06%	17 848 7,53%	99 0,04%	2 0%	369 0,16%	483 0,20%
H3 Inland cliffs, rock pavements and outcrops	1 288 97,27%	22 1,64%	4 0,28%	0 0%	3 0,25%	7 0,56%
H5 Miscellaneous inland habitats with very sparse or no vegetation	7 709 78,25%	1 967 19,97%	17 0,17%	0 0%	76 0,77%	83 0,84%
I1 Arable land and market gardens	656 123 99,38%	2 852 0,43%	430 0,07%	2 0%	432 0,07%	368 0,06%
J2 Low density buildings	793 99,22%	4 0,52%	0 0%	0 0%	2 0,22%	0 0,05%
X07 Intensively farmed crops interspersed with strips of natural and/or seminatural vegetation	4 188 99,32%	11 0,26%	12 0,29%	0 0%	1 0,02%	5 0,11%
Total	**1 676 713 55,23%**	**1 026 982 33,83%**	**52 177 1,72%**	**280 0,01%**	**142 950 4,71%**	**136 672 4,50%**

Classes EUNIS ptMAES, nível N	Crop Production (t/ha)						
	0	0 - 0,5	0,5 - 1	1 - 2	2 - 5	5 - 10	> 10
B1 : Coastal dunes and sandy shores	2 715 100%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
B1.6 : Coastal dune scrub	1 276 100%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
B3 : Rock cliffs, ledges and shores, including the supralittoral	114 100%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
E1 : Dry grasslands	436 775 100%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
E3 : Seasonally wet and wet grasslands	3 283 100%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
E7.3 : Dehesa	621 823 100%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
F3.1 : Temperate thickets and scrub	1 352 100%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
F4.2 : Dry heaths	42 196 100%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
F5 : Maquis, arborescent matorral and thermo-Mediterranean brushes	2 334 100%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
F5.2 : Maquis	36 386 100%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
F5.5 : Thermo-Mediterranean scrub	22 585 100%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
F6.1 : Western garrigues	20 844 100%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
FB.4 : Vineyards	587 1,40%	0 0%	0 0,00%	0 0,00%	0 0,00%	41 266 98,60%	0 0,00%
G1 : Broadleaved deciduous woodland	17 800 100%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
G1.772 : Portuguese [Quercus faginea] forests	519 100%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
G1.7B : [Quercus pyrenaica] woodland	3 443 100%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
G1.7D : [Castanea sativa] woodland	924 100%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
G1.D1 : [Castanea sativa] plantations	64 31,27%	0 0%	0 0,00%	140 68,73%	0 0,00%	0 0,00%	0 0,00%
G1.D3 : [Prunus amygdalus] groves	0 0%	39 100%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
G1.D4 : Fruit orchards	89 3,97%	0 0%	0 0,00%	0 0,00%	0 0,00%	2 165 96,03%	0 0,00%
G1.D5 : Other high-stem orchards	68 12,21%	0 0%	0 0,00%	0 0,00%	491 87,79%	0 0,00%	0 0,00%
G2.1 : Mediterranean evergreen [Quercus] woodland	19 100%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
G2.112 : Southwestern Iberian [Quercus suber] forests	244 970 100%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
G2.124 : [Quercus rotundifolia] woodland	141 809 100%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
G2.81 : [Eucalyptus] plantations	132 293 100%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
G2.83 : Other evergreen broadleaved tree plantations	268 100%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
G2.91 : [Olea europaea] groves	673 0,41%	0 0%	164 530 99,59%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
G2.92 : Citrus orchards	137 9,34%	0 0%	0 0,00%	0 0,00%	0 0,00%	1 329 90,66%	0 0,00%
G3.714 : Iberian [Pinus pinaster ssp. atlantica] forests	22 809	0	0	0	0	0	0

Classes EUNIS ptMAES, nível N	Crop Production (t/ha)						
	0	0 - 0,5	0,5 - 1	1 - 2	2 - 5	5 - 10	> 10
	100%	0%	0,00%	0,00%	0,00%	0,00%	0,00%
G3.7312 : Lusitanian stone pine forests	26 181	0	0	0	0	0	0
	100%	0%	0,00%	0,00%	0,00%	0,00%	0,00%
G3.F2 : Exotic conifer plantations	3 994	0	0	0	0	0	0
	100%	0%	0,00%	0,00%	0,00%	0,00%	0,00%
G3.F22 : Exotic pine plantations	55 217	0	0	0	0	0	0
	100%	0%	0,00%	0,00%	0,00%	0,00%	0,00%
G4.B : Mixed mediterranean [Pinus] - thermophilous [Quercus] woodland	9 662	0	0	0	0	0	0
	100%	0%	0,00%	0,00%	0,00%	0,00%	0,00%
G4.F : Mixed forestry plantations	59 777	0	0	0	0	0	0
	100%	0%	0,00%	0,00%	0,00%	0,00%	0,00%
G5.7 : Coppice and early-stage plantations	220 337	0	0	0	0	0	0
	100%	0%	0,00%	0,00%	0,00%	0,00%	0,00%
G5.8 : Recently felled areas	16 551	0	0	0	0	0	0
	100%	0%	0,00%	0,00%	0,00%	0,00%	0,00%
H3 : Inland cliffs, rock pavements and outcrops	1 324	0	0	0	0	0	0
	100%	0%	0,00%	0,00%	0,00%	0,00%	0,00%
H5.3 : Sparsely- or un-vegetated habitats on mineral substrates not resulting from recent ice activity	5 697	0	0	0	0	0	0
	100%	0%	0,00%	0,00%	0,00%	0,00%	0,00%
H5.5 : Burnt areas with very sparse or no vegetation	2 100	0	0	0	0	0	0
	100%	0%	0,00%	0,00%	0,00%	0,00%	0,00%
H5.61 : Unsurfaced pathways	2 057	0	0	0	0	0	0
	0%	0%	0,00%	0,00%	0,00%	0,00%	100,00%
I1 : Arable land and market gardens	0	0	0	0	0	0	149 950
	100%	0%	0,00%	0,00%	0,00%	0,00%	0,00%
I1.22 : Small-scale market gardens and horticulture, including allotments	34 815	0	0	0	0	0	0
	2,18%	0%	0,00%	97,82%	0,00%	0,00%	0,00%
I1.3 : Arable land with unmixed crops grown by low-intensity agricultural methods	9 910	0	0	445 320	0	0	0
	0%	0%	0,00%	0,00%	0,00%	100,00%	0,00%
I1.4 : Inundated or inundatable croplands, including rice fields	0	0	0	0	0	20 221	0
	100%	0%	0,00%	0,00%	0,00%	0,00%	0,00%
J2.43 : Greenhouses	799	0	0	0	0	0	0
	100%	0%	0,00%	0,00%	0,00%	0,00%	0,00%
X07 : Intensively-farmed crops interspersed with strips of natural and/or semi-natural vegetation	4 217	0	0	0	0	0	0
	100%	0%	0,00%	0,00%	0,00%	0,00%	0,00%
Total	2 210 793	39	164 530	445 460	491	64 982	149 950
	72,81%	<0,005%	5,42%	14,67%	0,02%	2,14%	4,94%

Classes EUNIS ptMAES, nível N	Extensive Livestock Production (CN/ha)						
	0	0 a 0,2	0,2 a 0,4	0,4 a 0,6	0,6 a 0,8	0,8 a 1,0	> 1,0
B1 Coastal dunes and sandy shores	2 715	0	0	0	0	0	0
	100%	0%	0%	0,00%	0,00%	0,00%	0,00%
B1.6 Coastal dune scrub	1 276	0	0	0	0	0	0
	100%	0%	0%	0,00%	0,00%	0,00%	0,00%
B3 Rock cliffs, ledges and shores, including the supralittoral	114	0	0	0	0	0	0
	100%	0%	0%	0,00%	0,00%	0,00%	0,00%
E1 Dry grasslands	69 301	5 115	127 046	217 367	10 053	848	7 046
	15,87%	1,17%	29,09%	49,77%	2,30%	0,19%	1,61%
E3 Seasonally wet and wet grasslands	3 283	0	0	0	0	0	0
	100%	0%	0%	0,00%	0,00%	0,00%	0,00%
E7.3 Dehesa	66 144	8 183	253 727	282 193	7 962	560	3 054
	10,64%	1,32%	40,80%	45,38%	1,28%	0,09%	0,49%
F3.1 Temperate thickets and scrub	1 352	0	0	0	0	0	0
	100%	0%	0%	0,00%	0,00%	0,00%	0,00%
F4.2 Dry heaths	42 196	0	0	0	0	0	0
	100%	0%	0%	0,00%	0,00%	0,00%	0,00%
	2 334	0	0	0	0	0	0

| Classes EUNIS ptMAES, nível N	Extensive Livestock Production (CN/ha)						
	0	0 a 0,2	0,2 a 0,4	0,4 a 0,6	0,6 a 0,8	0,8 a 1,0	> 1,0
F5 Maquis, arborescent matorral and thermo-Mediterranean brushes	100%	0%	0%	0,00%	0,00%	0,00%	0,00%
F5.2 Maquis	36 386 100%	0 0%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
F5.5 Thermo-Mediterranean scrub	22 585 100%	0 0%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
F6.1 Western garrigues	20 844 100%	0 0%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
FB.4 Vineyards	41 853 100%	0 0%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
G1 Broadleaved deciduous woodland	17 800 100%	0 0%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
G1.772 Portuguese [Quercus faginea] forests	519 100%	0 0%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
G1.7B [Quercus pyrenaica] woodland	3 443 100%	0 0%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
G1.7D [Castanea sativa] woodland	924 100%	0 0%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
G1.D1 [Castanea sativa] plantations	203 100%	0 0%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
G1.D3 [Prunus amygdalus] groves	39 100%	0 0%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
G1.D4 Fruit orchards	2 255 100%	0 0%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
G1.D5 Other high-stem orchards	559 100%	0 0%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
G2.1 Mediterranean evergreen [Quercus] woodland	19 100%	0 0%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
G2.112 Southwestern Iberian [Quercus suber] forests	244 970 100%	0 0%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
G2.124 [Quercus rotundifolia] woodland	141 809 100%	0 0%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
G2.81 [Eucalyptus] plantations	132 293 100%	0 0%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
G2.83 Other evergreen broadleaved tree plantations	268 100%	0 0%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
G2.91 [Olea europaea] groves	165 203 100%	0 0%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
G2.92 Citrus orchards	1 465 100%	0 0%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
G3.714 Iberian [Pinus pinaster ssp. atlantica] forests	22 809 100%	0 0%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
G3.7312 Lusitanian stone pine forests	26 181 100%	0 0%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
G3.F2 Exotic conifer plantations	3 994 100%	0 0%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
G3.F22 Exotic pine plantations	55 217 100%	0 0%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
G4.B Mixed Mediterranean [Pinus] - thermophilous [Quercus] woodland	9 662 100%	0 0%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
G4.F Mixed forestry plantations	59 777 100%	0 0%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
G5.7 Coppice and early-stage plantations	220 337 100%	0 0%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
G5.8 Recently felled areas	16 551 100%	0 0%	0 0%	0 0,00%	0 0,00%	0 0,00%	0 0,00%
H3 Inland cliffs, rock pavements and outcrops	1 324	0	0	0	0	0	0

Classes EUNIS ptMAES, nível N	Extensive Livestock Production (CN/ha)						
	0	0 a 0,2	0,2 a 0,4	0,4 a 0,6	0,6 a 0,8	0,8 a 1,0	> 1,0
	100%	0%	0%	0,00%	0,00%	0,00%	0,00%
H5.3 Sparsely- or un-vegetated habitats on mineral substrates not resulting from recent ice activity	5 697	0	0	0	0	0	0
	100%	0%	0%	0,00%	0,00%	0,00%	0,00%
H5.5 Burnt areas with very sparse or no vegetation	2 100	0	0	0	0	0	0
	100%	0%	0%	0,00%	0,00%	0,00%	0,00%
H5.61 Unsurfaced pathways	2 057	0	0	0	0	0	0
	100%	0%	0%	0,00%	0,00%	0,00%	0,00%
I1 Arable land and market gardens	149 950	0	0	0	0	0	0
	100%	0%	0%	0,00%	0,00%	0,00%	0,00%
I1.22 Small-scale market gardens and horticulture, including allotments	34 815	0	0	0	0	0	0
	100%	0%	0%	0,00%	0,00%	0,00%	0,00%
I1.3 Arable land with unmixed crops grown by low-intensity agricultural methods	455 231	0	0	0	0	0	0
	100%	0%	0%	0,00%	0,00%	0,00%	0,00%
I1.4 Inundated or inundatable croplands, including rice fields	20 221	0	0	0	0	0	0
	100%	0%	0%	0,00%	0,00%	0,00%	0,00%
J2.43 Greenhouses	799	0	0	0	0	0	0
	100%	0%	0%	0,00%	0,00%	0,00%	0,00%
X07 Intensively-farmed crops interspersed with strips of natural and/or semi-natural vegetation	4 217	0	0	0	0	0	0
	100%	0%	0%	0,00%	0,00%	0,00%	0,00%
Total	2 113 091	13 298	380 773	499 561	18 015	1 407	10 100
	69,60%	0,44%	12,54%	16,45%	0,59%	0,05%	0,33%

S7 SPATIAL OVERLAP REGULATING ES

a. Carbon Sequestration
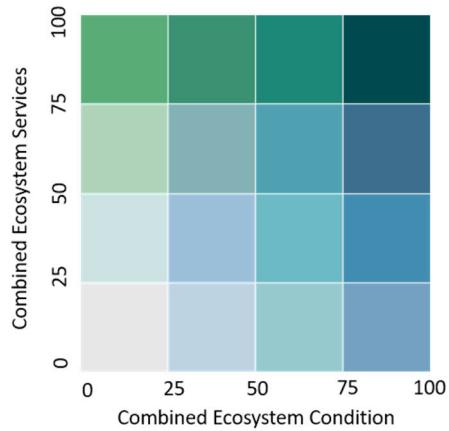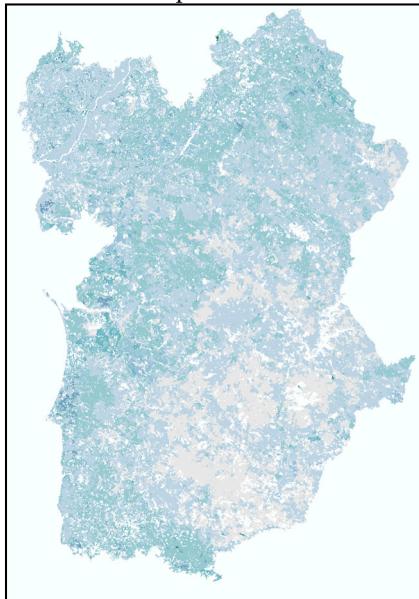
b. Control of Erosion Rates
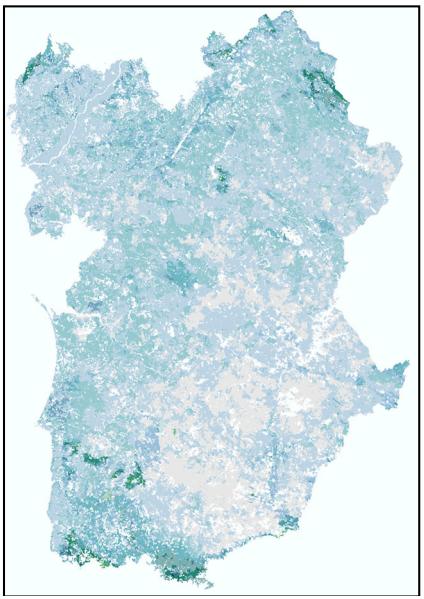
S8 BIRD DIVERSITY MODELS

Species	b0	Precipitation, Temperature, Altitude				Land-use variables									
		rain	tmin	tmax	Altm	purb	plot	plen	flor	floa	agrs	agrr	agrp	agrm	mont
Saxicola torquatus	-3.46 ***	0.007 ***										0.35 "			
Sylvia melanocephala	29.8 ***	0	-0.87 ***	-0.99 ***	-0.01 **				0.90 ***		-0.56 *	0.43 "		0.33	
Turdus merula	25.7 **	0.01 *	-0.64 *	-0.93 ***	-0.01 *	-0.42 "			0.62 *	0.33			0.35		0.61 *
Parus caeruleus	12.0 "	0.007 **	-0.38 **	-0.55 **					1.21 ***				-0.61 **		0.81 **
Parus major	-4.73 ***	0.007 **			0.003 *				1.07 ***		-0.38	-0.58 *			0.60 *
Emberiza calandra	-2.8 ***				0.003 **			0.37 "	0.38		0.47 "				
Lanius meridionalis	-0.1		-0.49 *		-0.01 "									0.51 **	-0.46 "
Frigilla coelebs	-2.05 **		-0.37 **			-0.43 *	-0.70 *		1.17 ***		-0.58 *				
Buteo buteo	-2.77 **	0.004 *				0.34 "	-0.8 *				-0.53 *	0.51 *			
Carduelis carduelis	-2.51 **	0.004 "				-0.3			0.65 *		0.47 "				-0.39
Passer domesticus	-3.74 ***	0.004 "				0.53 *			0.66 *		0.63 *	0.79 ***	-0.47 "		
Erithacus rubecula	-7.05 ***		0.34 "		0.01 ***	-0.32		-0.62 **	0.80 *						
Bubulcus ibis	-1.32	0.004*	-0.56 *		-0.01 ***			0.44 *		-0.52 *		0.49 *		0.36	
Galerida cristata	0.6		-0.61 *		-0.01 *					-0.68 **		0.50 *			
Lullula arborea	-6.68 ***	0.01 **			0.004 ***				0.76 *			-0.52 *			1.02 **
Carduelis cannabina	-1.54 *		-0.40 **			-0.39 "		-0.37 "	0.73 **						-0.48 "
Galerida theklae	2.08 "	-0.01 ***	-0.56 *		0.004 *	-0.84 ***			0.76 *						
Corvus corone	26.8 **	0.02 ***		-1.13	-0.01 ***										
Phylloscopus collybita	-3.99 ***	0.01 **						-0.33	0.59 *						
Serinus serinus	6.21	0.01 ***		-0.39 *				-0.44 "	0.61 "				0.49 "		
Oenanthe oenanthe	1.09		-0.79 **		-0.01 **				-0.70 **	-0.37	0.98 **		-0.44 "		
Cisticola juncidis	-1.3 **		0.31 *						0.54	-0.76 **	0.92 ***		0.40 ***		-0.78 **
Garrulus glandarius	-7.95 ***	0.01 ***	-0.51 **			-0.42 "			1.03 *	0.7 **				0.57 *	0.83 *
Motacilla alba	-3.53 ***	0.01 *			-0.01 **			0.36	0.50				0.42		
Falco tinnunculus	25.7 **	-0.01 "	-1.33 ***	-0.66 *	-0.01 ***	-0.43 "			-0.63 *						-0.99 ***
Upupa epops	29.8 ***	-0.01 **	-0.86 **	-0.87 ***	-0.01 **	-0.36	-0.7 "	0.83 ***							
Cyanopica cyanus	-0.63	-0.01 *	-0.3 "						0.49 "				-0.4		0.56
Carduelis chloris	-4.9 ***	0.01 **			-0.01 *			-0.4 "	0.86 *						-0.61 *
Columba palumbus	-5.12 ***	0.01 *												-0.38	
Sylvia altricapilla	-5.6 ***	0.003	0.44 "		0.004 *			-0.79 **	1.81				0.71 *		-0.51
Egretta garzetta	-4.95 ***	0.008 ***	-0.41		-0.01 **		0.93 **	1.45 ***		0.68 *		0.53 *		-0.52 "	0.71 "
Sitta europaea	-12.2 ***	0.02 ***	0.42		0.007 ***		-0.92 *		1.06 *		-0.98 **	0.48	-0.92 **		1.83 ***

Species	b₀	Precipitation, Temperature, Altitude				Land-use variables									
	b_0	rain	tmin	tmax	Altm	purb	plot	plen	flor	floa	agrs	agrr	agrp	agrm	mont
Certhia brachydactyla um	-10.9 ***	0.01 ***	0.52 *		0.006 **				1.34 **						1.16 **
Anthus pratensis	-1.78 ***						-0.92 *		0.70 *			0.48 *		-0.44 "	
Cettia cetti	37.42 ***		-0.70 *	-1.29 ***	-0.01 ***		1.15 ***		0.88 *			0.80 **			0.83 "
Elanus caeruleus	-0.36	-0.01								-0.37 "		0.83 **	0.48	-0.55 "	
Ficedula hypoleuca	-4.08 ***	0.004	-0.34 *						0.92 *	0.50 "					
Hirundo rustica	10.6			-0.51 *	-0.01 "			0.51 "	1.07 *			0.46	-0.44		
Ardea cinerea	-2.08 ***				-0.01 **	-0.41	0.89 *	1.22 ***	0.51			0.89 **			
Hirundo daurica	-1.59 ***		-0.29 "				1.41 ***				-0.56 "			0.418	

p *value*: * 0, ** 0,001, * 0,01, " 0,1; no symbol = not significant**