Report on the main results of the surveillance under article 17 for annex I habitat types (Annex D)

CODE: 62A0

NAME: Eastern sub-Mediterranean dry grasslands (Scorzoneratalia villosae)

1. National Level

1.1 Maps

1.1.1 Distribution Map	Yes
1.1.2 Distribution Method	Estimate based on partial data with some extrapolation and/or modelling (2)
1.1.3 Year or period	2006-2012
1.1.4 Additional map	No
1.1.5 Range Map	Yes

2. Biogeographical Or Marine Level

2.1 Biogeographical Region

Mediterranean (MED)

2.2 Published

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Dimopoulos P., Fotiadis G., Tsiripidis I., Panitsa M. and Karadimou E. 2014. Deliverable A2. Report and Literature Database on Habitat Types of Greece – 1st edition. Ministry of Environment, Energy and Climate Change, OIKOM Ltd - E. Alexandropoulou - A. Glavas, Athens, pages 210.

Tsiripidis I., Xystrakis F., Kasampalis D., Mastrogianni A., Strid A. and Dimopoulos P., 2014. Deliverable A4. Potential Distribution Maps of Habitat Types – 1st edition. Ministry of Environment, Energy and Climate Change, OIKOM Ltd - E. Alexandropoulou - A. Glavas, Athens, Athens, pages 176.

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Dimopoulos P., Tsiripidis I., Xystrakis F., Kallimanis A.S and Panitsa M. 2014. Deliverable A7. Preliminary Analysis of the Field Data for the Habitat Types – 1st edition. Ministry of Environment, Energy and Climate Change, OIKOM Ltd - E. Alexandropoulou - A. Glavas, Athens, pages 16.

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Bergmeier, E., Konstantinou, M., Tsiripidis, I. & Sýkora, K. V. 2009: Plant communities on metalliferous soils in northern Greece. Phytocoenologia 39: 411-438.

Βραχνάκης Μ., Φωτιάδης Γ. & Καζόγλου Ι. 2011. Τύποι Οικοτόπων Εθνικού Πάρκ ου Πρεσπών – Αναγνώριση-Καταγραφή 2011. Εταιρία Προστασίας Πρεσπών, σελ . 101.

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Θεοδωρόπουλος Κ., Ελευθεριάδου Ε., Τσιριπίδης Ι. & Αθανασιάδης Ν. 2001. Βρα χόφιλες και Λιβαδικές Φυτοκοινωνίες του Παρθένου Δάσους Φρακτού του Νομο ύ Δράμας (Α. Μακεδονία, Ελλάδα). Πρακτικά 9ου Πανελλήνιου Δασολογικού Συν

εδρίου, Κοζάνη, 17-20 Οκτωβρίου 2000: 661-674.
Karagiannakidou V., Dimopoulos P. & K. Papademetriou. 2001. Phytosociological researches on the montane and high-altitude grasslands of North Eastern Greece: Mount Pangeon. Fitosociologia 38 (1): 25-54.
Krause W., Ludwig W. & Seidel F. 1963. Zur Kenntnis der Flora und Vegetation auf Serpentinstandorten des Balkans. 6. Vegetationsstudien in der Umgebung von Mantoudi (Euböa). – Bot. Jahrb. Syst. 82(4): 337-403 + 7 tables (Beilagen).
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Pirini Ch., Tsiripidis I., Karagiannakidou V. & Babalonas D. 2009. Artemisia campestris inland vegetation type in the "NATURA 2000" network site "Limnes Vegoritida - Petron" (GR 1340004). In: Ivanova, D. (ed.), Plant, fungal, and habitat diversity investigation and conservation. Proceedings of IV Balkan Botanical Congress, Sofia, 20-26 June 2006. Institute of Botany, Sofia, pg. 314-320.
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Πυρινή Χ. & Μπαμπαλώνας Δ. 2002. Χλωρίδα και βλάστηση των στεππόμορφων λιβαδιών στην ευρύτερη περιοχή της λίμνης Πετρών. Πρακτικά 9ου Πανελλήνιου Επιστημονικού Συνεδρίου της Ελληνικής Βοτανικής Εταιρίας, Αργοστόλι Κεφαλο νιάς, 9-12 Μαΐου 2002: 280-285.
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Χοχλίουρος Π.Σ. 2005. Χλωριδική και Φυτοκοινωνιολογική Έρευνα του Όρους Βε ρμίου - Οικολογική προσέγγιση. Διδακτορική Διατριβή. Πανεπιστήμιο Πατρών. 352 σελ. + 3 Παραρτήματα.

2.3 Range of the habitat type in the biogeographical region or marine region

2.3.1 Surface area - Range (km²)	3431	
2.3.2 Range method used	Estimate based on partial data with some extrapolation and/or modelling (2)	
2.3.3 Short-term trend period	2001-2012	
2.3.4 Short-term trend direction	stable (0)	
2.3.5 Short-term trend magnitude	min	max
2.3.6 Long-term trend period		
2.3.7 Long-term trend direction	N/A	
2.3.8 Long-term trend magnitude	min	max
2.3.9 Favourable reference range	area (km²)	
	operator	approximately equal to (≈)
	unkown method	No
2.3.10 Reason for change	Improved knowledge/more accurate data Use of different method	

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2.4 Area covered by Habitat

2.4.1 Surface area (km²)	504,9
2.4.2 Year or period	2000-2012
2.4.3 Method used	Estimate based on partial data with some extrapolation and/or modelling (2)
2.4.4 Short-term trend period	2001-2012
2.4.5 Short-term trend direction	stable (0)
2.4.6 Short-term trend magnitude	min max
2.4.7 Short term trend method used	Estimate based on partial data with some extrapolation and/or modelling (2)
2.4.8 Long-term trend period	
2.4.9 Long-term trend direction	N/A
2.4.10 Long-term trend magnitude	min max
2.4.11 Long term trend method used	N/A
2.4.12 Favourable reference area	area (km) operator approximately equal to (≈) unknown No method
2.4.13 Reason for change	Improved knowledge/more accurate data Use of different method

2.5 Main Pressures

Pressure	ranking	pollution qualifier(s)
grazing (A04)	low importance (L)	N/A
Roads, paths and railroads (D01)	low importance (L)	N/A
Urbanised areas, human habitation (E01)	low importance (L)	N/A
Soil pollution and solid waste (excluding discharges) (H05)	low importance (L)	N/A
Biocenotic evolution, succession (K02)	low importance (L)	N/A

2.5.1 Method used – pressures: mainly based on expert judgement and other data (2)

2.6 Main Threats

Threat	ranking	pollution qualifier(s)
grazing (A04)	low importance (L)	N/A
Urbanised areas, human habitation (E01)	low importance (L)	N/A
Biocenotic evolution, succession (K02)	low importance (L)	N/A

2.6.1 Method used – threats: expert opinion (1)

2.7 Complementary Information

2.7.1 Species

Helictochloa aetolica (syn: Helictotrichon aetolicum)
Hippocrepis comosa
Rostraria cristata (syn: Koeleria cristata)
Paronychia rechingeri
Polygala anatolica
Polygala comosa
Potentilla detommasii

Potentilla recta

Ranunculus millefoliatus

Satureja pilosa

Scabiosa columbaria

Sesleria rigida

Stipa species

Teucrium montanum

Thesium alpinum

Thesium divaricatum

Thymus longicaulis

Thymus praecox

Thymus sibthorpii

Trifolium campestre

Trigonella spicata

Achillea millefolium

Allium flavum

Alyssum chalcidicum

Alyssum murale

Anacamptis pyramidalis

Anthoxanthum odoratum

Armeria rumelica

Artemisia alba

Artemisia campestris

Asperula aristata

Bornmuellera tymphaea

Bothriochloa ischaemum

Bromus cappadocicus

Carex caryophyllea

Carlina vulgaris

Chrysopogon gryllus

Dianthus cruentus

Dianthus gracilis

Eryngium amethystinum

Erysimum diffusum

Festuca valesiaca

Filipendula vulgaris

Fragaria viridis

Fumana procumbens

Galium verum

Helianthemum nummularium

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2.7.2 Species method used	Typical species were determined on the basis of a vegetation database, comprised of about 22000 sampling plots. First, a list of possible typical species was determined per habitat type, selecting the ones presenting a high fidelity value to the habitat types according the algorithm of Tsiripidis et al. (2009) and the phi coefficient value (Chytrý et al. 2002). Then typical species per habitat type were selected from the above-mentioned lists by expert judgment and using as criteria species niche breadth, their ability to comprise indicators of habitat types' conservation status and their function as keystone species. The nomenclature of the typical species follows Dimopoulos et al. (2013).ReferencesChytrý, M., Tichý, L., Holt, J. & Botta-Dukát, J. 2002. Determination of diagnostic species with statistical fidelity measures. Journal of Vegetation Science 13: 79–90.Dimopoulos, P., Raus, Th., Bergmeier, E., Constantinidis, Th., Iatrou, G., Kokkini, S., Strid, A. & Tzanoudakis, D. 2013: Vascular plants of Greece: an annotated checklist. – Berlin: Botanischer Garten und Botanisches Museum Berlin-Dahlem, Freie Universität Berlin; Athens: Hellenic Botanical Society. Englera 31: 1-367.Tsiripidis, I., Bergmeier, E., Fotiadis, G. & Dimopoulos, P. 2009. A new algorithm for the determination
2.7.3 Justification of % - thresholds for trends	
2.7.4 Structure and functions - methods used	Complete survey/Complete survey or a statistically robust estimate (3)
2.7.5 Other relevant information	

2.8 Conclusions (assessment of conservation status at end of reporting period)

2.8.1 Range	assessment	Favourable (FV)
	qualifiers	N/A
2.8.2 Area	assessment	Favourable (FV)
	qualifiers	N/A
2.8.3 Specific structures and functions (incl Species)	assessment	Favourable (FV)
	qualifiers	N/A
2.8.4 Future prospects	assessment	Favourable (FV)
	qualifiers	N/A
2.8.5 Overall assessment of Conservation Status	Favourable (FV)	
2.8.5 Overall trend in Conservation Status	N/A	

3. Natura 2000 coverage conservation measures - Annex I habitat types on biogeographical level

3.1 Area covered by habitat

3.1.1 Surface area (km²)	min	227,1	max	227,1
3.1.2 Method used	Complete survey/Complete survey or a statistically robust estimate (3)			
3.1.3. Trend of surface area	stable (0)			

3.2 Conversation Measures

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3.2.1 Measure	3.2.2 Type	3.2.3 Ranking	3.2.4 Location	3.2.5 Broad Evaluation
Establish protected areas/sites (6.1)	Legal Administrative One-off	medium importance (M)	Inside	Maintain Long term