

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

## NATIONAL LEVEL

### 1. General information

1.1 Member State	GR
1.2 Habitat code	5420 - <i>Sarcopoterium spinosum phryganas</i>

### 2. Maps

2.1 Year or period	2015
2.3 Distribution map	Yes
2.3 Distribution map Method used	Based mainly on extrapolation from a limited amount of data
2.4 Additional maps	Yes

## BIOGEOGRAPHICAL LEVEL

### 3. Biogeographical and marine regions

3.1 Biogeographical or marine region where the habitat occurs

**Mediterranean (MED)**

3.2 Sources of information

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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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Βαλλιανάτου Ε. 2005. Γεωβοτανική Έρευνα της Σαλαμίνας, Αίγινας και μερικών άλλων Νησιών του Σαρωνικού Κόλπου. Διδακτορική Διατριβή. Εθνικό και Καποδιστριακό Πανεπιστήμιο Αθηνών, σελ. 558.

Bergmeier E. 2002. The vegetation of the high mountains of Crete – a revision and multivariate analysis. *Phytocoenologia* 32: 205-249.

Bergmeier E. 2004. Two ways of vegetation classification for the high mountains

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

of Crete: A critical comparison of methods and results. *Annali di Botanica*, n.s. 3: 7-21.

Γεωργιάδης Θ., Δημητρέλλος Γ., Δημόπουλος Π. & Βασιλάκης Κ. 1994. Μελέτη της οικολογικής κατάστασης της περιβάλλουσας βλάστησης στα πλαίσια της διαχείρισης και προστασίας του Δέλτα του Αχέροντα. Πρακτικά 5ου Επιστημονικού Συνεδρίου της Ελληνικής Βοτανικής Εταιρείας, Δελφοί, 21-23 Οκτωβρίου 1994: 111-115.

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Δαμιανίδης Χ. 2011. Φυτοκοινωνιολογική έρευνα των ερεικώνων και των αιφύλλων πλατύφυλλων της βόρειας πλευράς του Χολομώντα. Μεταπτυχιακή Διατριβή. ΑΠΘ, σελ. 63 + 1 Παράρτημα + 1 Χάρτης + 1 Πίνακας. Δεληπέτρου Π., Οικονομίδου Ε. & Τσιουρλής Γ. 1996. Η βιοποικιλότητα των νησιών του Αιγαίου όπως εκφράζεται από τους οικοτόπους και τα είδη της χλωρίδας που προστατεύονται από την οδηγία 92/43/ΕΟΚ στις προτεινόμενες περιοχές του δικτύου "Φύση 2000". Πρακτικά 6ου Επιστημονικού Συνεδρίου της Ελληνικής Βοτανικής Εταιρείας και της Βιολογικής Εταιρείας Κύπρου, Παραλίμνι Κύπρου, 6-11 Απριλίου 1996: 74-78.

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

5.9 Long-term trend Period			
5.10 Long-term trend Direction			
5.11 Long-term trend Magnitude	a) Minimum	b) Maximum	c) Confidence interval
5.12 Long-term trend Method used			
5.13 Favourable reference area	a) Area (km <sup>2</sup> )	Approximately equal to (≈)	
	b) Operator	Yes	
	c) Unknown	Yes	
	d) Method		
5.14 Change and reason for change in surface area of range	No change	The change is mainly due to:	
5.15 Additional information			
<b>6. Structure and functions</b>			
6.1 Condition of habitat	a) Area in good condition (km <sup>2</sup> )	Minimum 6881,19	Maximum 6881,19
	b) Area in not-good condition (km <sup>2</sup> )	Minimum 0	Maximum 0
	c) Area where condition is not known (km <sup>2</sup> )	Minimum 764,58	Maximum 764,58
6.2 Condition of habitat Method used	Complete survey or a statistically robust estimate		
6.3 Short-term trend of habitat area in good condition Period	20072018		
6.4 Short-term trend of habitat area in good condition Direction	Stable (0)		
6.5 Short-term trend of habitat area in good condition Method used	Complete survey or a statistically robust estimate		
6.6 Typical species	Has the list of typical species changed in comparison to the previous reporting period? No		
6.7 Typical species Method used	<p>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). References Chytrý , M., Tichý , L., Holt, J. &amp; Botta-Duká t, 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. &amp; 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. &amp; Dimopoulos, P. 2009. A new algorithm for the determination of differential taxa. Journal of Vegetation Science 20: 233-240.</p>		
6.8 Additional information	Assumption: 90% of habitat area is estimated to be in good condition.		

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

## 7. Main pressures and threats

### 7.1 Characterisation of pressures/threats

Pressure	Ranking
Extensive grazing or undergrazing by livestock (A10)	M
Intensive grazing or overgrazing by livestock (A09)	M
Livestock farming (without grazing) (A14)	M
Removal of small landscape features for agricultural land parcel consolidation (hedges, stone walls, rushes, open ditches, springs, solitary trees, etc.) (A05)	M
Conversion to forest from other land uses, or afforestation (excluding drainage) (B01)	M
Wind, wave and tidal power, including infrastructure (D01)	M
Sports, tourism and leisure activities (F07)	H

Threat	Ranking
Extensive grazing or undergrazing by livestock (A10)	M
Intensive grazing or overgrazing by livestock (A09)	M
Livestock farming (without grazing) (A14)	M
Agriculture activities not referred to above (A36)	M
Sports, tourism and leisure activities (F07)	H
Removal of small landscape features for agricultural land parcel consolidation (hedges, stone walls, rushes, open ditches, springs, solitary trees, etc.) (A05)	M
Conversion to forest from other land uses, or afforestation (excluding drainage) (B01)	M
Wind, wave and tidal power, including infrastructure (D01)	M

### 7.2 Sources of information

**PRESSURES:** Based mainly on expert judgement and other data.  
**THREATS:** Based on expert opinion.

### 7.3 Additional information

## 8. Conservation measures

### 8.1 Status of measures

a) Are measures needed? **No**

b) Indicate the status of measures

### 8.2 Main purpose of the measures taken

### 8.3 Location of the measures taken

### 8.4 Response to the measures

### 8.5 List of main conservation measures

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### 8.6 Additional information

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

## 9. Future prospects

9.1 Future prospects of parameters	a) Range	Good
	b) Area	Good
	c) Structure and functions	Good

9.2 Additional information

## 10. Conclusions

10.1. Range	Favourable (FV)
10.2. Area	Favourable (FV)
10.3. Specific structure and functions (incl. typical species)	Favourable (FV)
10.4. Future prospects	Favourable (FV)
10.5 Overall assessment of Conservation Status	Favourable (FV)
10.6 Overall trend in Conservation Status	Improving (+)
10.7 Change and reasons for change in conservation status and conservation status trend	a) Overall assessment of conservation status No change The change is mainly due to:  b) Overall trend in conservation status Use of different method The change is mainly due to: Use of different method
10.8 Additional information	

## 11. Natura 2000 (pSCIs, SCIs, SACs) coverage for Annex I habitat types

11.1 Surface area of the habitat type inside the pSCIs, SCIs and SACs network (in km <sup>2</sup> in biogeographical/marine region)	a) Minimum b) Maximum c) Best single value 2097,29
11.2 Type of estimate	Minimum
11.3 Surface area of the habitat type inside the network Method used	Complete survey or a statistically robust estimate
11.4 Short-term trend of habitat area in good condition within the network Direction	Stable (0)
11.5 Short-term trend of habitat area in good condition within network Method used	Complete survey or a statistically robust estimate
11.6 Additional information	The change in 11.1 (in comparison to the previous report) is due to the updated mapping datasets on terrestrial habitat types within the Natura 2000 network (pSCIs, SCIs and SACs), based on the most recent national project (results became available in 2018). As this project did not include the extended areas of the Natura 2000 sites, nor the newly proposed SCIs, the surface area reported is the minimum.

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

## 12. Complementary information

12.1 Justification of % thresholds for trends

12.2 Other relevant information