

# Report on the main results of the surveillance under article 11 for annex II, IV and V species (Annex B)

0.1 Member State	GR
0.2.1 Species code	1463
0.2.2 Species name	<b>Silene orphanidis</b>
0.2.3 Alternative species scientific name	N/A
0.2.4 Common name	N/A

## 1. National Level

### 1.1 Maps

1.1.1 Distribution Map	Yes
1.1.1a Sensitive species	No
1.1.2 Method used - map	Complete survey/Complete survey or a statistically robust estimate (3)
1.1.3 Year or period	2007-2012
1.1.4 Additional map	Yes
1.1.5 Range map	Yes

## 2. Biogeographical Or Marine Level

### 2.1 Biogeographical Region

### 2.2 Published sources

#### **Mediterranean (MED)**

Constantinidis, Th. 1995: *Silene orphanidis* Boiss. – Pp. 470-471. In: Phitos, D., Strid, A., Snogerup, S. & Greuter, W. (eds) 1995: The Red Data Book of rare and threatened plants of Greece. – World Wide Fund for Nature, Athens.

Georghiou, K., Delipetrou, P., Kadis, C., Doussi, M., Bazos, I., Ioannidou E. & Tsabassi, G., 1996: Conservation and protection of endemic, rare and threatened plants of the Greek flora. Part B: Conservation and Protection status. Final report for PENED 91'ED 209. University of Athens, 67p.

Greuter, W. 1995: Studies in Greek Caryophylloideae: *Agrostemma*, *Silene*, and *Vaccaria*. – *Willdenowia* 25(1): 105- 142.

Karydas, A., 2007: Monitoring and ex situ conservation of some endemic taxa of Agio Oros. – Postgraduate dissertation, University of Ioannina.

Karydas, A. and Kamari G. 2009. *Silene orphanidis* Boiss., Endangered (EN), In: The Red Data Book of rare and threatened plants of Greece, vol 2 (E-Z), D. Phitos, T. Constantinidis & G. Kamari (Eds), pp. 326-327, Hellenic Botanical Society, ISBN 9789609407113, Patras, Greece (in Greek).

Melzheimer, V. 1986: *Silene* L. In: Strid, A. (ed.), Mountain flora of Greece, 1: 135-170.

Strid, A. & Papanicolaou, K. 1985: The Greek mountains. In: Gomez-Campo, C. (ed.): Plant Conservation in the Mediterreanean area. – Junk Publications.

### 2.3 Range

# Report on the main results of the surveillance under article 11 for annex II, IV and V species (Annex B)

2.3.1 Surface area - Range (km <sup>2</sup> )	2
2.3.2 Method - Range surface area	Complete survey/Complete survey or a statistically robust estimate (3)
2.3.3 Short-term trend period	2002-2012
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 (km <sup>2</sup> ) 2 operator N/A unkown No method Favourable reference range was based on the sum of the historic and current distribution of the species.
2.3.10 Reason for change	Improved knowledge/more accurate data Use of different method

## 2.4 Population

2.4.1 Population size (individuals or agreed exception)	Unit number of individuals (i) min 60 max 100
2.4.2 Population size (other than individuals)	Unit N/A min max
2.4.3 Additional information	Definition of locality Conversion method Problems
2.4.4 Year or period	2007-2012
2.4.5 Method – population size	Complete survey/Complete survey or a statistically robust estimate (3)
2.4.6 Short-term trend period	2002-2012
2.4.7 Short term trend direction	stable (0)
2.4.8 Short-term trend magnitude	min max confidence interval
2.4.9 Short-term trend method	Complete survey/Complete survey or a statistically robust estimate (3)
2.4.10 Long-term trend period	
2.4.11 Long term trend direction	N/A
2.4.12 Long-term trend magnitude	min max confidence interval
2.4.13 Long-term trend method	N/A
2.4.14 Favourable reference population	number 100 operator N/A unknown No method Favourable reference population is defined as the maximum population count.
2.4.15 Reason for change	Improved knowledge/more accurate data

## 2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km <sup>2</sup> )	0,14
2.5.2 Year or period	2007-2012
2.5.3 Method used - habitat	Complete survey/Complete survey or a statistically robust estimate (3)
2.5.4 a) Quality of habitat	Good
2.5.4 b) Quality of habitat - method	The species habitat (rocky limestone slopes) is undisturbed at these higher altitudes of the Athos mountain.

# Report on the main results of the surveillance under article 11 for annex II, IV and V species (Annex B)

2.5.5 Short term trend period	2002-2012
2.5.6 Short term trend direction	stable (0)
2.5.7 Long-term trend period	
2.5.8 Long term trend direction	N/A
2.5.9 Area of suitable habitat (km <sup>2</sup> )	0,34
2.5.10 Reason for change	Improved knowledge/more accurate data

## 2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
No threats or pressures (X)	()	N/A

2.6.1 Method used – pressures based only on expert judgements (1)

## 2.7 Main Threats

Threat	ranking	pollution qualifier(s)
Changes in abiotic conditions (M01)	high importance (H)	N/A

2.7.1 Method used – threats expert opinion (1)

## 2.8 Complementary Information

2.8.1 Justification of % thresholds for trends

2.8.2 Other relevant Information

Note on 2.3.10. The only known population was found (in 2012) to occupy a larger area than the one known until then. The value in the previous reporting period was mistakenly defined as 0.4 km<sup>2</sup> instead of 0.04 km<sup>2</sup>

Note on 2.4.15. The population size of 200 up to 250 individuals reported in the previous reporting period was only a rough estimate by a researcher during the 1990s.

Note on 2.5.9. Available habitat is defined as limestone rocks above 1700 on Mt Athos.

2.8.3 Trans-boundary assessment

## 2.9 Conclusions (assessment of conservation status at end of reporting period)

2.9.1 Range	assessment Favourable (FV) qualifiers N/A
2.9.2. Population	assessment Favourable (FV) qualifiers N/A
2.9.3. Habitat	assessment Favourable (FV) qualifiers N/A
2.9.4. Future prospects	assessment Favourable (FV) qualifiers N/A
2.9.5 Overall assessment of Conservation Status	Favourable (FV)
2.9.5 Overall trend in Conservation Status	N/A

## 3. Natura 2000 coverage and conservation measures - Annex II species

### 3.1 Population

3.1.1 Population Size	Unit	number of individuals (i)
-----------------------	------	---------------------------

# Report on the main results of the surveillance under article 11 for annex II, IV and V species (Annex B)

min 60 max 100

3.1.2 Method used	Complete survey/Complete survey or a statistically robust estimate (3)
3.1.3 Trend of population size within	stable (0)

## 3.2 Conservation Measures

3.2.1 Measure	3.2.2 Type	3.2.3 Ranking	3.2.4 Location	3.2.5 Broad Evaluation
Legal protection of habitats and species (6.3)	Legal	high importance (H)	Inside	Maintain Long term
Regulation/ Management of hunting and taking (7.1)	Legal	high importance (H)	Inside	Long term