

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

CODE: 5420

NAME: *Sarcopoterium spinosum phryganas*

## 1. National Level

### 1.1 Maps

1.1.1 Distribution Map

Yes

1.1.2 Distribution Method

Estimate based on expert opinion with no or minimal sampling (1)

1.1.3 Year or period

2005-2012

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

The present Habitat assessment (fields 0.1-3.1) has been compiled by Pierangela Angelini (ISPRA). Published and unpublished data, information and experts' judgments have been provided by Edoardo Biondi, Liliana Zivkovic and Giovanni Spampinato(SBI).

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Guarino R., Minissale P. & Sciandrello S., 2009. La biodiversità vegetale e relativa cartografia del SIC "Torre Manfredi" (Gela-CL). *Quad. Bot. Amb. Appl.* 19: 37-66.

Angelini P., Augello R., Bianco P.M., Gennaio R., La Ghezza V., Lavarra P., Marrese M., Papallo O., Perrino V. M., Sani R., M. Stelluti. 2012. Carta degli habitat della Regione Puglia per il sistema informativo di Carta della Natura alla scala 1:50.000. ISPRA - Arpa Puglia.

Biondi E., Blasi C, Burrascano S, Casavecchia S, Copiz R, Del Vico E, Galdenzi D, Gigante D, Lasen C, Spampinato G, Venanzoni R, Zivkovic L (2009a) Italian interpretation Manual of the habitats (92/43/EEC Directive). Ministero dell'Ambiente e della Tutela del Territorio e del Mare.

<http://vnr.unipg.it/habitat/>

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Papini F., Gianguzzi L., Brullo S., Bianco P. M., Angelini P., 2006. Carta degli habitat della Regione Sicilia per il sistema informativo di Carta della Natura alla scala 1:50.000. Dipartimento di Scienze Botaniche dell'Università degli Studi di Palermo - Dipartimento di Botanica dell'Università degli Studi di Catania -Regione Sicilia – ISPRA.

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

2.3.1 Surface area - Range (km <sup>2</sup> )	4600
2.3.2 Range method used	Estimate based on expert opinion with no or minimal sampling (1)
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 (km <sup>2</sup> ) operator approximately equal to (≈) unknown No method
2.3.10 Reason for change	Improved knowledge/more accurate data Use of different method

## 2.4 Area covered by Habitat

2.4.1 Surface area (km <sup>2</sup> )	16,36
2.4.2 Year or period	2005-2012
2.4.3 Method used	Estimate based on expert opinion with no or minimal sampling (1)
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 expert opinion with no or minimal sampling (1)
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)
burning down (J01.01)	medium importance (M)	N/A
Cultivation (A01)	medium importance (M)	N/A
grazing (A04)	high importance (H)	N/A
motorised vehicles (G01.03)	medium importance (M)	N/A
Erosion (K01.01)	medium importance (M)	N/A
dispersed habitation (E01.03)	medium importance (M)	N/A
Trampling, overuse (G05.01)	medium importance (M)	N/A
Mining and quarrying (C01)	low importance (L)	N/A
other sport / leisure complexes (G02.10)	medium importance (M)	N/A
Discharges (E03)	low importance (L)	N/A

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artificial planting on open ground (non-native trees) (B01.02)	medium importance (M)	N/A
Soil pollution and solid waste (excluding discharges) (H05)	medium importance (M)	N/A
invasive non-native species (I01)	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)
burning down (J01.01)	medium importance (M)	N/A
Cultivation (A01)	medium importance (M)	N/A
grazing (A04)	high importance (H)	N/A
motorised vehicles (G01.03)	medium importance (M)	N/A
Erosion (K01.01)	medium importance (M)	N/A
dispersed habitation (E01.03)	medium importance (M)	N/A
Trampling, overuse (G05.01)	medium importance (M)	N/A
Mining and quarrying (C01)	low importance (L)	N/A
other sport / leisure complexes (G02.10)	medium importance (M)	N/A
Discharges (E03)	low importance (L)	N/A
artificial planting on open ground (non-native trees) (B01.02)	medium importance (M)	N/A
Soil pollution and solid waste (excluding discharges) (H05)	medium importance (M)	N/A
invasive non-native species (I01)	low importance (L)	N/A

2.6.1 Method used – threats expert opinion (1)

## 2.7 Complementary Information

### 2.7.1 Species

Sarcopoterium spinosum

Dorycnium hirsutum

Cistus monspeliensis

Fumana laevipes

Fumana procumbens

Fumana thymifolia

Globularia alypum

Micromeria graeca

Osyris alba

Phagnalon rupestre ssp. Annoticum

Phlomis fruticosa

Putoria calabrica

Rosmarinus officinalis

Teucrium capitatum ssp. Capitatum

Thymus capitatus

Thymbra capitata

Genista corsica

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## 2.7.2 Species method used

List from field "combinazione fisionomica di riferimento" of habitat's form in: Manuale Italiano di Interpretazione degli Habitat (Biondi et al., 2009; <http://vnr.unipg.it/habitat/>)

## 2.7.3 Justification of % - thresholds for trends

## 2.7.4 Structure and functions - methods used

Estimate based on expert opinion with no or minimal sampling (1)

## 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 (km<sup>2</sup>)

min 15,6699 max 15,6699

#### 3.1.2 Method used

Complete survey/Complete survey or a statistically robust estimate (3)

#### 3.1.3. Trend of surface area

N/A

### 3.2 Conversation Measures

#### 3.2.1 Measure

#### 3.2.2 Type

#### 3.2.3 Ranking

#### 3.2.4 Location

#### 3.2.5 Broad Evaluation

Measures needed, but not implemented (1.2)

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