

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

CODE: 4090

NAME: Endemic oro-Mediterranean heaths with gorse

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 Published and unpublished data, information and experts' judgments have been provided by Edoardo Biondi, Liliana Zivkovic and Giovanni Spampinato (SBI), Pietro Massimiliano Bianco and Pierangela Angelini (ISPRA, field 2.7.1).

"Brullo S., Gangale C. & Uzunov D., 2004. The orophilous cushion-like vegetation of the Sila Massif (S Italy). Bot. Jahrb. Syst. 125(4): 453-488. Bianco P.M., Laureti L., Papallo O., Perfetti D. 2012 Carta degli habitat della Regione Umbria per il sistema informativo di Carta della Natura alla scala 1:50.000. ISPRA 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/> Blasi et al., 2010. La Vegetazione d'Italia con Carta delle Serie di Vegetazione in scala 1:500000. Palombi ed., Camarda I., Carta L., Brunu A., Brundu G., Laureti L., Angelini P., Bagnaia R., 2011. Carta degli habitat della Regione Sardegna per il sistema informativo di Carta della Natura alla scala 1:50.000. Dipartimento di Scienze Botaniche Ecologiche e Geologiche dell'Università degli Studi di Sassari - ISPRA - Regione Sardegna Casella L., Agrillo E., Bianco P.M., Cardillo A., Carbone M., Cattena C., Laureti L., Lugari A., Spada F., 2008. Carta degli habitat della Regione Lazio per il sistema informativo di Carta della Natura alla scala 1:50.000. ISPRA - Università degli Studi di Roma "La Sapienza" - Regione Lazio ISPRA, 2011. Dati del sistema informativo di Carta della Natura alla scala 1:50.000. ISPRA, Corine land cover 2006 IV livello. Dati della Rete del sistema Informativo Nazionale Ambientale - SINAnet ISPRA, 2005. Dati del sistema informativo di Carta della Natura alla scala 1:50.000. 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 Brullo S., Cormaci A., Giusso Del Galdo G., Guarino R., Minissale P., Siracusa G., Spampinato G., 2005. A syntaxonomical survey of the Sicilian dwarf shrub vegetation belonging to the class Rumici-Astragaletea siculi. Ann. Bot., n.s., 5: 57-104."

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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 ²)	17700
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 ²) 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 ²)	85,01
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
roads, motorways (D01.02)	medium importance (M)	N/A
grazing (A04)	medium importance (M)	N/A
artificial planting on open ground (non-native trees) (B01.02)	medium importance (M)	N/A
Erosion (K01.01)	medium importance (M)	N/A
dispersed habitation (E01.03)	medium importance (M)	N/A
motorised vehicles (G01.03)	medium importance (M)	N/A
discontinuous urbanisation (E01.02)	medium importance (M)	N/A
other sport / leisure complexes (G02.10)	medium importance (M)	N/A
forest replanting (B02.01)	low importance (L)	N/A

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Changes in abiotic conditions (M01)	low importance (L)	N/A
volcanic activity (L01)	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
roads, motorways (D01.02)	medium importance (M)	N/A
grazing (A04)	medium importance (M)	N/A
artificial planting on open ground (non-native trees) (B01.02)	medium importance (M)	N/A
Erosion (K01.01)	medium importance (M)	N/A
dispersed habitation (E01.03)	medium importance (M)	N/A
motorised vehicles (G01.03)	medium importance (M)	N/A
discontinuous urbanisation (E01.02)	medium importance (M)	N/A
other sport / leisure complexes (G02.10)	medium importance (M)	N/A
forest replanting (B02.01)	low importance (L)	N/A
Changes in abiotic conditions (M01)	low importance (L)	N/A
volcanic activity (L01)	low importance (L)	N/A

2.6.1 Method used – threats expert opinion (1)

2.7 Complementary Information

2.7.1 Species

Genista salzmannii
Astragalus genargenteus
Armeria spp.
Astragalus nebrodensis
Astragalus parnassi subsp. calabricus
Astragalus sempervirens subsp. sempervirens
Astragalus siculus
Astragalus sirinicus
Genista cupanii
Genista pichi-sermoliana
Genista desoleana
Berberis vulgaris subsp. aetnensis (=Berberis aetnensis)
Genista michelii
Genista sericea
Genista toluensis
Thymus catharinae (=Thymus herba-barona)
Anthyllis spp.
Dianthus spp.
Thymus spp.

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Viola spp.

2.7.2 Species method used Selected by ISPRA's expert from bibliographical and field research

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 (km²) min 62,0337 max 62,0337

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
Establish protected areas/sites (6.1)	Legal Administrative	high importance (H)	Inside	Maintain Long term Not evaluated
Legal protection of habitats and species (6.3)	Administrative	high importance (H)	Both	Maintain Long term

2.1 Biogeographical Region

2.2 Published

Alpine (ALP)

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"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/>Blasi et al., 2010. La Vegetazione d'Italia con Carta

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delle Serie di Vegetazione in scala 1:500000. Palombi ed., Casella L., Agrillo E., Bianco P.M., Cardillo A., Carbone M., Cattena C., Laureti L., Lugari A., Spada F., 2008. Carta degli habitat della Regione Lazio per il sistema informativo di Carta della Natura alla scala 1:50.000. ISPRA - Università degli Studi di Roma "La Sapienza" - Regione Lazio. ISPRA, 2011. Dati del sistema informativo di Carta della Natura alla scala 1:50.000. ISPRA, Corine land cover 2006 IV livello. Dati della Rete del sistema Informativo Nazionale Ambientale - SINAnet

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

2.3.1 Surface area - Range (km ²)	4300
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	unknown (x)
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 ²) operator N/A unkown Yes 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 ²)	29,71
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	unknown (x)
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 N/A unknown Yes 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)	medium importance (M)	N/A
artificial planting on open ground (non-native trees) (B01.02)	low importance (L)	N/A

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

Threat	ranking	pollution qualifier(s)
grazing (A04)	medium importance (M)	N/A
artificial planting on open ground (non-native trees) (B01.02)	low importance (L)	N/A

2.6.1 Method used – threats expert opinion (1)

2.7 Complementary Information

2.7.1 Species

Astragalus sempervirens subsp. Sempervirens

Astragalus sirinicus

Anthyllis montana

Anthemis cretica

Carex humilis

Dianthus sylvestris subsp. Longicaulis

Helianthemum oelandicum subsp. Alpestre

Linum viscosum

Leucanthemum heterophyllum

Leucanthemum tridactylites

Sesleria nitida

Sesleria italica

Sesleria juncifolia subsp. Juncifolia

Thymus longicaulis

Thymus striatus

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 Unknown (XX)

qualifiers N/A

2.8.2 Area

assessment Unknown (XX)

qualifiers N/A

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2.8.3 Specific structures and functions (incl Species)

assessment Unknown (XX)
qualifiers N/A

2.8.4 Future prospects

assessment Unknown (XX)
qualifiers N/A

2.8.5 Overall assessment of Conservation Status

Unknown (XX)

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 17,1671 max 17,1671

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

No measure known/
impossible to carry out
specific measures (1.3)

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Notes

Habitat code: 4090 Region code: ALP

Field label	Note	User
2.4.1 Surface area	Nel calcolo delle superfici (campi 2.3.1, 2.4.1 e 3.1.1) rientra anche la superficie delle aree comprese nella regione continentale	ISPRA_h abitat