

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

CODE: 8110

NAME: Siliceous scree of the montane to snow levels (*Androsacetalia alpinae* and *Galeopsietalia ladani*)

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	2005-2012
1.1.4 Additional map	No
1.1.5 Range Map	Yes

2. Biogeographical Or Marine Level

2.1 Biogeographical Region

2.2 Published

Mediterranean (MED)

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 Published and unpublished data, information and experts' judgments have been provided by Edoardo Biondi, Liliana Zivkovic and Giovanni Spampinato(SBI), Pietro Massimiliano Bianco and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

"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.,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 - SINAnetISPRA, 2005. Dati del sistema informativo di Carta della Natura alla scala 1:50.000."

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

2.3.1 Surface area - Range (km ²)	2500
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 (km ²) operator approximately equal to (≈) unkown No method
2.3.10 Reason for change	genuine change No improved knowledge Yes different method Yes

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2.4 Area covered by Habitat

2.4.1 Surface area (km ²)	13,47		
2.4.2 Year or period	2005-2012		
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	confidence interval
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	confidence interval
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 dataUse of different method		

2.5 Main Pressures

Pressure	ranking	pollution qualifier(s)
walking, horseriding and non-motorised vehicles (G01.02)	medium importance (M)	N/A
mountaineering, rock climbing, speleology (G01.04)	low importance (L)	N/A
skiing, off-piste (G01.06)	low importance (L)	N/A
Trampling, overuse (G05.01)	low importance (L)	N/A

2.5.1 Method used – pressures Estimate based on partial data with some extrapolation and/or modelling(2)

2.6 Main Threats

Threat	ranking	pollution qualifier(s)
walking, horseriding and non-motorised vehicles (G01.02)	medium importance (M)	N/A
mountaineering, rock climbing, speleology (G01.04)	low importance (L)	N/A
skiing, off-piste (G01.06)	low importance (L)	N/A
Trampling, overuse (G05.01)	low importance (L)	N/A

2.6.1 Method used – threats Estimate based on expert opinion with no or minimal sampling(1)

2.7 Complementary Information

2.7.1 Species

Cryptogramma crispa

Epilobium alpinum

Epilobium collinum

Galeopsis tetrahit

Rumex scutatus

Sedum anacampseros

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Senecio viscosus

Silene rupestris

Athyrium distentifolium

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 13,3647 max 13,3647

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

2.1 Biogeographical Region

2.2 Published

Continental (CON)

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 and Liliana Zivkovic(SBI), Pietro Massimiliano Bianco and Pierangela Angelini (ISPRA, field 2.7.1).

"Biondi E, Blasi C, Burrascano S, Casavecchia S, Copiz R, Del Vico E, Galdenzi D,

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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., Brentan D., Burbello A., Avanzi E., Gasparini S., Laureti L., Bianco P.M., 2008. Carta degli habitat della regione Veneto per il sistema informativo di Carta della Natura alla scala 1:50.000. ISPRA - Arpa Veneto. http://www.isprambiente.gov.it/site/it-IT/Servizi_per_l%27Ambiente/Sistema_Carta_della_NaturaISPRA, 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 - SINAnetOriolo G., Dragan M., Ferneti M., Francescato C., Tomasella M., Giorgi R. 2007. Carta degli habitat della regione Friuli Venezia Giulia per il sistema informativo di Carta della Natura alla scala 1:50.000. ISPRA- Regione Friuli Venezia Giulia. http://www.isprambiente.gov.it/site/it-IT/Servizi_per_l%27Ambiente/Sistema_Carta_della_Natura"

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

2.3.1 Surface area - Range (km ²)	2800
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 (km ²) operator approximately equal to (≈) unkown No method
2.3.10 Reason for change	genuine change No improved knowledge Yes different method Yes

2.4 Area covered by Habitat

2.4.1 Surface area (km ²)	12,7
2.4.2 Year or period	2005-2012
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 confidence interval
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 confidence interval
2.4.11 Long term trend method used	N/A

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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 dataUse of different method

2.5 Main Pressures

Pressure	ranking	pollution qualifier(s)
walking, horseriding and non-motorised vehicles (G01.02)	medium importance (M)	N/A
paths, tracks, cycling tracks (D01.01)	medium importance (M)	N/A
skiing, off-piste (G01.06)	high importance (H)	N/A

2.5.1 Method used – pressures

Estimate based on partial data with some extrapolation and/or modelling(2)

2.6 Main Threats

Threat	ranking	pollution qualifier(s)
walking, horseriding and non-motorised vehicles (G01.02)	medium importance (M)	N/A
paths, tracks, cycling tracks (D01.01)	medium importance (M)	N/A
skiing, off-piste (G01.06)	high importance (H)	N/A

2.6.1 Method used – threats

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

2.7 Complementary Information

2.7.1 Species

Athyrium distentifolium

Cardamine resedifolia

Cryptogramma crispa

Epilobium alpinum

Epilobium anagallidifolium

Epilobium collinum

Epilobium lanceolatum

Galeopsis ladanum

Galeopsis segetum

Galeopsis tetrahit

Rumex scutatus

Sedum alpestre

Sedum anacampseros

Anarrhinum bellidifolium

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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 (km ²)	min 9,4783 max 9,4783
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

2.1 Biogeographical Region

2.2 Published

Alpine (ALP)

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 Cesare Lasen(SBI), Pietro Massimiliano Bianco and Pierangela Angelini (ISPRA, field 2.7.1).

"Brentan D., Burbello A., Avanzi E., Gasparini S., Laureti L., Bianco P.M., 2008. Carta degli habitat della regione Veneto per il sistema informativo di Carta della Natura alla scala 1:50.000. ISPRA - Arpa Veneto.
<http://www.isprambiente.gov.it/site/it->

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IT/Servizi_per_l'27Ambiente/Sistema_Carta_della_Natura 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., Di Pietro R., Conti F. & Vannicelli Casoni L., 2001. On the presence of a new Linario-Festucion dimorphae association on Laga mountains (Central Italy). Fitosociologia 38(1): 67-75. 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 Morra di Cella U., Cremonese E., Pari E., Siniscalco C., Amadei M., Angelini P., Cardillo A., 2008. Carta degli habitat della Regione Valle d'Aosta per il sistema informativo di Carta della Natura alla scala 1:50.000. ISPRA - ARPA Valle d'Aosta - Dipartimento Biologia Vegetale Università degli studi di Torino. http://www.isprambiente.gov.it/site/it-IT/Servizi_per_l'27Ambiente/Sistema_Carta_della_Natura Oriolo G., Dragan M., Ferneti M., Francescato C., Tomasella M., Giorgi R. 2007. Carta degli habitat della regione Friuli Venezia Giulia per il sistema informativo di Carta della Natura alla scala 1:50.000. ISPRA-Regione Friuli Venezia Giulia. http://www.isprambiente.gov.it/site/it-IT/Servizi_per_l'27Ambiente/Sistema_Carta_della_Natura. PEER T., 1980. Karte der aktuellen Vegetation Südtirols 1: 100.000. Blatt Bozen. Doc. de Cart. Ecol., XXIII: 25-46. Grenoble PEER T., 1991. Karte der aktuellen Vegetation Südtirols, Maßstab 1:200.000. Autonome Provinz Bozen-Südtirol, Amt für Naturparke, Naturschutz und Landschaftspflege. Bozen. PEER T., 1995. La vegetazione naturale dell'Alto Adige. Note illustrative della carta della vegetazione naturale 1:200.000. Provincia Autonoma di Bolzano-Alto Adige. Ufficio pianificazione paesaggistica, Ripartizione tutela del paesaggio e della natura, Bolzano."

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

2.3.1 Surface area - Range (km ²)	34100
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 (km ²)
	operator approximately equal to (≈)
	unkown No
	method
2.3.10 Reason for change	genuine change No
	improved knowledge Yes
	different method Yes

2.4 Area covered by Habitat

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2.4.1 Surface area (km ²)	1933,83
2.4.2 Year or period	2005-2012
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 confidence interval
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 confidence interval
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 dataUse of different method

2.5 Main Pressures

Pressure	ranking	pollution qualifier(s)
paths, tracks, cycling tracks (D01.01)	medium importance (M)	N/A
skiing, off-piste (G01.06)	medium importance (M)	N/A
mountaineering, rock climbing, speleology (G01.04)	medium importance (M)	N/A
Improved access to site (D05)	low importance (L)	N/A

2.5.1 Method used – pressures	Estimate based on partial data with some extrapolation and/or modelling(2)
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2.6 Main Threats

Threat	ranking	pollution qualifier(s)
paths, tracks, cycling tracks (D01.01)	medium importance (M)	N/A
skiing, off-piste (G01.06)	medium importance (M)	N/A
mountaineering, rock climbing, speleology (G01.04)	medium importance (M)	N/A
Improved access to site (D05)	low importance (L)	N/A

2.6.1 Method used – threats	Estimate based on expert opinion with no or minimal sampling(1)
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2.7 Complementary Information

2.7.1 Species

Androsace vitaliana
Androsace wulfeniana
Achillea nana
Achillea erba-rotta (aggr.)
Cardamine resedifolia
Cerastium uniflorum
Cryptogramma crispa

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Epilobium alpinum

Luzula alpinopilosa

Minuartia biflora

Viola comollia

Viola valderia

Viola argenteria

Oxyria digyna

Sedum alpestre

Senecio viscosus

Saxifraga exarata subsp. Exarata

Ranunculus glacialis

Silene acaulis

Androsace alpina

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 739,7219 max 739,7219

3.1.2 Method used

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

3.1.3. Trend of surface area

N/A

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3.2 Conversation Measures