

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

CODE: 8230

NAME: Siliceous rock with pioneer vegetation of the Sedo-Scleranthion or of the Sedo albi-Veronicion dillenii

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 Published and unpublished data, information and experts' judgments have been provided by Edoardo Biondi, Liliana Zivkovic and Giovanni Spampinato(SBI).

"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 <sup>2</sup> )	12800
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 <sup>2</sup> ) operator approximately equal to (≈) unknown 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 <sup>2</sup> )	6,28
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)
Mining and quarrying (C01)	high importance (H)	N/A
paths, tracks, cycling tracks (D01.01)	medium importance (M)	N/A
mountaineering, rock climbing, speleology (G01.04)	medium importance (M)	N/A
skiing complex (G02.02)	low importance (L)	N/A
skiing, off-piste (G01.06)	low importance (L)	N/A
Sand and gravel extraction (C01.01)	high importance (H)	N/A
collapse of terrain, landslide (L05)	medium importance (M)	N/A
Tramplng, 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)
Mining and quarrying (C01)	high importance (H)	N/A
paths, tracks, cycling tracks (D01.01)	medium importance (M)	N/A
mountaineering, rock climbing, speleology (G01.04)	medium importance (M)	N/A
skiing complex (G02.02)	low importance (L)	N/A
skiing, off-piste (G01.06)	low importance (L)	N/A
Sand and gravel extraction (C01.01)	high importance (H)	N/A
collapse of terrain, landslide (L05)	medium importance (M)	N/A
Tramplng, 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

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

## 2.7.1 Species

Sempervivum arachnoideum

Sempervivum montanum

Sedum annuum

Silene rupestris

Veronica fruticans

Veronica verna

Veronica dillenii

Gagea bohemica

Allium montanum

Sedum acre

Sedum album

Sedum reflexum

Sedum sexangulare

Scleranthus perennis

Rumex acetosella

Polytrichum piliferum

Ceratodon purpureus

## 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

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

## 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	6,0886	max	6,0886
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, 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\\_Natura](http://www.isprambiente.gov.it/site/it-IT/Servizi_per_l%27Ambiente/Sistema_Carta_della_Natura)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 - SINAnetPesaresi S, Biondi E, Casavecchia S, Catorci A, Foglia M., 2007. Il Geodatabase del Sistema Informativo Vegetazionale delle Marche. Fitosociol 44 (2) suppl. 1: 95-101  
<http://www.ortobotanico.univpm.it/cartography/>"

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

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

2.3.1 Surface area - Range (km <sup>2</sup> )	17500		
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 <sup>2</sup> )		
	operator	approximately equal to (≈)	
	unknown	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 (km²)	31,95		
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)	low importance (L)	N/A
skiing complex (G02.02)	high importance (H)	N/A
skiing, off-piste (G01.06)	medium importance (M)	N/A
Mining and quarrying (C01)	high importance (H)	N/A
Taking / Removal of terrestrial plants, general (F04)	low importance (L)	N/A
mountaineering, rock climbing, speleology (G01.04)	low importance (L)	N/A

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

## 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)
paths, tracks, cycling tracks (D01.01)	low importance (L)	N/A
skiing complex (G02.02)	high importance (H)	N/A
skiing, off-piste (G01.06)	medium importance (M)	N/A
Mining and quarrying (C01)	high importance (H)	N/A
Taking / Removal of terrestrial plants, general (F04)	low importance (L)	N/A
mountaineering, rock climbing, speleology (G01.04)	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

Sempervivum montanum subsp. Montanum

Arabidopsis thaliana

Filago minima

Gagea bohemica

Sedum acre

Sedum album

Sedum monregalense

Silene saxifraga

Scleranthus perennis (aggr.)

Veronica dillenii

Veronica fruticans

Veronica verna

Rhizocarpon geographicum

Polytrichum spp.

Sempervivum arachnoideum

### 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

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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 18,8779 max 18,8779
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-IT/Servizi\\_per\\_l%27Ambiente/Sistema\\_Carta\\_della\\_Natura](http://www.isprambiente.gov.it/site/it-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., 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

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

Biologia Vegetale Università degli studi di Torino.  
[http://www.isprambiente.gov.it/site/it-IT/Servizi\\_per\\_l%27Ambiente/Sistema\\_Carta\\_della\\_Natura](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 <sup>2</sup> )	25200		
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	N/A		
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		more than (>)
	unknown		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 <sup>2</sup> )	86,34		
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	N/A		
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		more than (>)
	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
Taking / Removal of terrestrial plants, general (F04)	medium importance (M)	N/A
skiing complex (G02.02)	high importance (H)	N/A
skiing, off-piste (G01.06)	medium importance (M)	N/A



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mountaineering, rock climbing, speleology (G01.04)	medium importance (M)	N/A
Mining and quarrying (C01)	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)

## 2.6 Main Threats

Threat	ranking	pollution qualifier(s)
paths, tracks, cycling tracks (D01.01)	medium importance (M)	N/A
Taking / Removal of terrestrial plants, general (F04)	medium importance (M)	N/A
skiing complex (G02.02)	high importance (H)	N/A
skiing, off-piste (G01.06)	medium importance (M)	N/A
mountaineering, rock climbing, speleology (G01.04)	medium importance (M)	N/A
Mining and quarrying (C01)	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)

## 2.7 Complementary Information

### 2.7.1 Species

Arabidopsis thaliana
Cerastium arvense ssp. Strictum
Jovibarba allionii
Sempervivum grandiflorum
Sempervivum wulfenii
Sedum acre
Sedum album
Sedum reflexum (= S. rupestre agg.)
Scleranthus annuus
Scleranthus perennis subsp. Perennis
Silene saxifraga
Veronica fruticans
Veronica triphyllos
Veronica dillenii
Rhizocarpon geographicum
Polytrichum piliferum
Sempervivum arachnoideum

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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 Inadequate( U1) qualifiers N/A
2.8.2 Area	assessment Inadequate( U1) qualifiers N/A
2.8.3 Specific structures and functions (incl Species)	assessment Inadequate( U1) qualifiers N/A
2.8.4 Future prospects	assessment Inadequate( U1) qualifiers N/A
2.8.5 Overall assessment of Conservation Status	Inadequate( U1)
2.8.5 Overall trend in Conservation Status	declining( -)

## 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 86,3005 max 86,3005
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

## Habitat code: 8230

Field label	Note	User
1.1.1 Distribution Map	Habitat che occupa superfici ridotte e talvolta difficilmente localizzabili. Per tale motivo è stato spesso ignorato o sottovalutato. A causa della carenza di dati cartografici, quindi, nella carta di distribuzione può risultare sottostimato nelle aree esterne ai SIC e sovrastimato in corrispondenza dei SIC che riportano la sua presenza nella scheda Natura 2000 (in quest'ultimo caso, infatti, sono presi tutti i quadranti che ricadono all'interno dei confini del sito).	ISPRA_habitat

## Habitat code: 8230 Region code: ALP

Field label	Note	User
2.4.1 Surface area	Habitat diffuso in varie regioni alpine, ma sempre su superfici ridotte e talvolta difficilmente localizzabili. Per tale motivo è stato spesso ignorato o sottovalutato. Alcuni quadranti inseriti nella carta di distribuzione derivano da conoscenze personali e solo a titolo esemplificativo, in mancanza di dati ufficiali forniti dalle amministrazioni competenti. Nel caso del Veneto, ad esempio, le nuove cartografie di habitat provenienti dalla Regione non riportano questo codice, ma è stato inserito sulla base di conoscenze dirette.	ISPRA_habitat