

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

0.1 Member State	IT
0.2.1 Species code	1604
0.2.2 Species name	<i>Eryngium alpinum</i>
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	Estimate based on partial data with some extrapolation and/or modelling (2)
1.1.3 Year or period	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 sources

Alpine (ALP)

The present species assessment (fields 0.1-2.9) has been compiled by Stefania Ercole and Valeria Giacanelli (Institute for Environmental Protection and Research - ISPRA). Information, unpublished data and experts' judgments have been provided by Giuseppe Oriolo.

AAVV., 2012 - Piano di Gestione del SIC IT3320011 Monti Verzegnis e Valcalda. Regione Autonoma Friuli Venezia Giulia

AA.VV., 2003 - Guida al riconoscimento di Ambienti e Specie della Direttiva Habitat in Piemonte. Regione Piemonte, Piemonte Parchi. I.P.L.A. Torino. 220 pp.

BUSNARDO G., LASEN C., 1994 - Incontri con il Grappa. 2. Il Paesaggio Vegetale. Editore Moro. Cassola (VI). 173 pp.

CONTI F., ABBATE G., ALESSANDRINI A., BLASI C., (Eds.) 2005 - An annotated Checklist of the Italian Vascular Flora. Palombi Editori, Roma.

CONTI F., MANZI A., PEDROTTI F., 1997 - Liste Rosse Regionali delle Piante d'Italia. WWF Italia. Società Botanica Italiana. Università di Camerino. Camerino. 139 pp.

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GOLA G., 1933-1934 - Le piante vascolari della Val Maira (Alpi Cozie). Atti Reale Ist. Veneto Sci., Lett. E Arti, XCII: 1283-1334 e XCIII: 565-627, p. I e II.

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MORALDO B., 2001 - *Eryngium alpinum*. In: Pignatti S., Menegoni P., Giacanelli V. (eds.), Liste rosse e blu della flora italiana: 154-155. ANPA, Roma.

PIGNATTI S., 1982 - Flora d'Italia, voll. 1-3. Edagricole, Bologna.

Selvaggi A., Gallino B., Garraud L., Pascal R., Van Es J., 2012 - Flora rara, protetta, endemica delle Alpi occidentali. Blu edizioni, Torino.

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

Rossa della Flora Italiana. 1. Policy Species e altre specie minacciate. Comitato Italiano IUCN; Ministero dell'Ambiente e della Tutela del Territorio e del Mare. SCOPPOLA A., SPAMPINATO G. (eds.), 2005 - Atlante delle specie a rischio di estinzione. Versione 1.0. CD-Rom enclosed to the volume: SCOPPOLA A., BLASI C. (eds.), Stato delle conoscenze sulla flora vascolare d'Italia. Palombi Editori. Roma. SOCIETÀ BOTANICA ITALIANA, 2012. Valutazione nazionale della categoria di rischio di estinzione per specie vegetali di pregio e di interesse conservazionistico. Ministero dell'Ambiente e della Tutela del Territorio e del Mare, Società Botanica Italiana (dati inediti).

2.3 Range

2.3.1 Surface area - Range (km ²)	1300
2.3.2 Method - Range surface area	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	decrease (-)
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 Expert judgment
2.3.10 Reason for change	Genuine Use of different method

2.4 Population

2.4.1 Population size (individuals or agreed exception)	Unit N/A min max
2.4.2 Population size (other than individuals)	Unit number of localities (localities) min 8 max 8
2.4.3 Additional information	Definition of locality localities= grid 2x2 km centroids Conversion method Problems no data available for the number of individuals
2.4.4 Year or period	2012
2.4.5 Method – population size	Estimate based on partial data with some extrapolation and/or modelling (2)
2.4.6 Short-term trend period	2001-2012
2.4.7 Short term trend direction	decrease (-)
2.4.8 Short-term trend magnitude	min max confidence interval
2.4.9 Short-term trend method	Estimate based on partial data with some extrapolation and/or modelling (2)
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 operator approximately equal to (≈) unknown No method Expert judgment
2.4.15 Reason for change	Improved knowledge/more accurate data Use of different method

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

2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km ²)	
2.5.2 Year or period	
2.5.3 Method used - habitat	Absent data (0)
2.5.4 a) Quality of habitat	Good
2.5.4 b) Quality of habitat - method	Expert based
2.5.5 Short term trend period	2001-2012
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 ²)	
2.5.10 Reason for change	

2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
abandonment of pastoral systems, lack of grazing (A04.03)	high importance (H)	N/A
pillaging of floristic stations (F04.01)	low importance (L)	N/A
accumulation of organic material (K02.02)	high importance (H)	N/A
reduction or loss of specific habitat features (J03.01)	medium importance (M)	N/A
Vandalism (G05.04)	medium importance (M)	N/A
2.6.1 Method used – pressures	mainly based on expert judgement and other data (2)	

2.7 Main Threats

Threat	ranking	pollution qualifier(s)
abandonment of pastoral systems, lack of grazing (A04.03)	high importance (H)	N/A
pillaging of floristic stations (F04.01)	medium importance (M)	N/A
Biocenotic evolution, succession (K02)	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	Italian Red List (2013): EN. Assessment criteria: B2 ab(i,ii, iii,iv,v) Source: ROSSI G., MONTAGNANI C., GARGANO D., PERUZZI L., ABELI T., RAVERA S., COGONI A., FENU G., MAGRINI S., GENNAI M., FOGGI B., WAGENSOMMER R.P., VENTURELLA G., BLASI C., RAIMONDO F.M., ORSENIGO S. (Eds.), 2013. Lista Rossa della Flora Italiana. 1. Policy Species e altre specie minacciate. Comitato Italiano IUCN; Ministero dell'Ambiente e della Tutela del Territorio e del Mare.
2.8.3 Trans-boundary assessment	

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

2.9.1 Range	assessment Inadequate (U1) qualifiers declining (-)
2.9.2. Population	assessment Bad (U2) qualifiers declining (-)
2.9.3. Habitat	assessment Favourable (FV) qualifiers N/A

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

2.9.4. Future prospects	assessment Inadequate (U1) qualifiers declining (-)
2.9.5 Overall assessment of Conservation Status	Bad (U2)
2.9.5 Overall trend in Conservation Status	declining (-)

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

3.1 Population

3.1.1 Population Size	Unit	N/A
	min	max
3.1.2 Method used	Absent data (0)	
3.1.3 Trend of population size within	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
Legal protection of habitats and species (6.3)	Legal	low importance (L)	Both	Maintain Long term Unknown

Species name: Eryngium alpinum (1604)

Field label	Note	User
1.1.1 Distribution Map	Data sources: SOCIETÀ BOTANICA ITALIANA, 2012. Valutazione nazionale della categoria di rischio di estinzione per specie vegetali di pregio e di interesse conservazionistico. Ministero dell'Ambiente e della Tutela del Territorio e del Mare, Società Botanica Italiana (dati inediti). REGIONI FRIULI VENEZIA GIULIA e PIEMONTE (Raccolta dati per articolo 17, 2012).	ISPRA_F LORA

Species name: Eryngium alpinum (1604) Region code: ALP

Field label	Note	User
2.9.6 Conclusion - overall assessment trend	Qualificatore basato sui sottocriteri utilizzati nell'assessment liste rosse (SBI 2012): "declino continuo in EEO, AOO, numero di location e subpopolazioni, numero di individui maturi".	ISPRA_F LORA
2.9.2a Conclusion - population	Poiché la gran parte delle maglie ricadono nella Regione Friuli Venezia Giulia, per l'assessment della popolazione ci si è rifatti ai dati forniti dalla Regione. AAVV., 2012. Piano di Gestione del SIC IT3320011 Monti Verzegnis e Valcalda. Regione Autonoma Friuli Venezia Giulia	ISPRA_F LORA