

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	1474
0.2.2 Species name	<i>Aquilegia bertolonii</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

Mediterranean (MED)

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).

ANSALDI M., BEDINI G., 2013. *Aquilegia bertolonii* Schott. Inform. Bot. Ital. 45 (1): 122-123.

BARBERO M., BONO B., 1973 – La végétation orophile des Alpes Apuanes. Vegetatio, 27(1-3): 1-48.

BUORD S., GARGANO D., GIGOT G., JOGAN N., MONTAGNANI C. 2011 - *Aquilegia bertolonii*. In: IUCN 2012. IUCN Red List of Threatened Species. Version 2012.2. <www.iucnredlist.org>. Downloaded on 11 February 2013.

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.

FERRARINI E., 1979 - Studi sulla vegetazione dell'Appennino settentrionale (dal Passo della Cisa al Passo delle Radici). Mem. Accad. Lunig. Sci. "Giovanni Capellini", 43: 3-87.

MORALDO B., 2001 – *Aquilegia bertolonii*. In: Pignatti S., Menegoni P., Giacanelli V. (eds.), Liste rosse e blu della flora italiana: 106-107. ANPA, Roma.

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

REGIONE LIGURIA, 2008 - Carta della Biodiversità (www.ambienteinliguria.it).

SALVAI G., 2006 – *Aquilegia bertolonii* Schott - Scheda botanica.

http://www.actaplantarum.org/floraitaliae/mod_viewtopic.php?t=1065

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).

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SPOSIMO P., CASTELLI C., 2005 - La biodiversità in Toscana, Specie e habitat in pericolo, Archivio del Repertorio Naturalistico Toscano (RENATO). Regione Toscana, Direz. Gen. Pol. Territoriali e Ambientali. Tip. Il Bandino, Firenze, 302 pp. + CD-Rom.

TOMASELLI M., 1994 – The vegetation of summit rock faces, talus slopes and grasslands in the northern Apennines (N Italy). Fitosociologia 26: 35-50.

2.3 Range

2.3.1 Surface area - Range (km ²)	1500
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	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 Expert judgment
2.3.10 Reason for change	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 map 10x10 km grid cells (grids10x10) min 13 max 13
2.4.3 Additional information	Definition of locality Conversion method Problems no data available for the number of individuals
2.4.4 Year or period	2008-2012
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	stable (0)
2.4.8 Short-term trend magnitude	min max confidence interval
2.4.9 Short-term trend method	Estimate based on expert opinion with no or minimal sampling (1)
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

2.5 Habitat for the Species

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

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)
Taking / Removal of terrestrial plants, general (F04)	high importance (H)	N/A
non intensive mixed animal grazing (A04.02.05)	medium importance (M)	N/A
Mining and quarrying (C01)	medium importance (M)	N/A
reduced fecundity/ genetic depression in plants (incl. endogamy) (K05.02)	low importance (L)	N/A
burning down (J01.01)	low importance (L)	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)
Taking / Removal of terrestrial plants, general (F04)	medium importance (M)	N/A
Mining and quarrying (C01)	medium importance (M)	N/A
non intensive mixed animal grazing (A04.02.05)	medium importance (M)	N/A
reduced fecundity/ genetic depression in plants (incl. endogamy) (K05.02)	low importance (L)	N/A
burning down (J01.01)	low importance (L)	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

- 1) Italian Red List (2013): NT
Published in: ANSALDI M., BEDINI G., 2013. *Aquilegia bertolonii* Schott. Inform. Bot. Ital. 45 (1): 122-123.
The IUCN assessment relates only to Tuscany populations.
- 2) Ex-situ conservation: Orto botanico di Pisa, con duplicati inviati alla Millennium Seed Bank, Royal Botanic Gardens Kew (UK).
- 3) A taxonomical review of this species is on-going.
Source: ANSALDI M., BEDINI G., 2013. *Aquilegia bertolonii* Schott. Inform. Bot. Ital. 45 (1): 122-123.

2.8.3 Trans-boundary assessment

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

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

2.9.1 Range	assessment Favourable (FV) qualifiers N/A
2.9.2. Population	assessment Favourable (FV) qualifiers N/A
2.9.3. Habitat	assessment Favourable (FV) qualifiers N/A
2.9.4. Future prospects	assessment Favourable (FV) qualifiers N/A
2.9.5 Overall assessment of Conservation Status	Favourable (FV)
2.9.5 Overall trend in Conservation Status	N/A

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)	Administrative	high importance (H)	Both	Maintain Long term
Specific single species or species group management measures (7.4)	One-off	medium importance (M)	Both	Maintain Long term
Regulating/Management exploitation of natural resources on land (9.1)	Administrative	medium importance (M)	Both	Maintain Long term

2. Biogeographical Or Marine Level

2.1 Biogeographical Region
2.2 Published sources

Continental (CON)

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).

ANSALDI M., BEDINI G., 2013. *Aquilegia bertolonii* Schott. Inform. Bot. Ital. 45 (1): 122-123.

BARBERO M., BONO B., 1973 – La végétation orophile des Alpes Apuanes. Vegetatio, 27(1-3): 1-48.

BUORD S., GARGANO D., GIGOT G., JOGAN N., MONTAGNANI C. 2011 - *Aquilegia bertolonii*. In: IUCN 2012. IUCN Red List of Threatened Species. Version 2012.2. <www.iucnredlist.org>. Downloaded on 11 February 2013.

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FERRARINI E., 1979 - Studi sulla vegetazione dell'Appennino settentrionale (dal Passo della Cisa al Passo delle Radici). Mem. Accad. Lunig. Sci. "Giovanni Capellini", 43: 3-87.

MORALDO B., 2001 – *Aquilegia bertolonii*. In: Pignatti S., Menegoni P., Giacanelli V. (eds.), Liste rosse e blu della flora italiana: 106-107. ANPA, Roma.

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

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.

SALVAI G., 2006 – *Aquilegia bertolonii* Schott - Scheda botanica.
[Http://www.actaplantarum.org/floraitaliae/mod_viewtopic.php?t=1065](http://www.actaplantarum.org/floraitaliae/mod_viewtopic.php?t=1065)

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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).

SPOSIMO P., CASTELLI C., 2005 - La biodiversità in Toscana, Specie e habitat in pericolo, Archivio del Repertorio Naturalistico Toscano (RENATO). Regione Toscana, Direz. Gen. Pol. Territoriali e Ambientali. Tip. Il Bandino, Firenze, 302 pp. + CD-Rom.

TOMASELLI M., 1994 – The vegetation of summit rock faces, talus slopes and grasslands in the northern Apennines (N Italy). Fitosociologia 26: 35-50.

2.3 Range

2.3.1 Surface area - Range (km ²)	600
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	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 Expert judgment
2.3.10 Reason for change	Use of different method

2.4 Population

2.4.1 Population size (individuals or agreed exception)	Unit N/A
	min max

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2.4.2 Population size (other than individuals)	Unit	number of map 10x10 km grid cells (grids10x10)		
	min	4	max	4
2.4.3 Additional information	Definition of locality			
	Conversion method			
	Problems	no data available for the number of individuals		
2.4.4 Year or period	1987-2012			
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	stable (0)			
2.4.8 Short-term trend magnitude	min		max	confidence interval
2.4.9 Short-term trend method	Estimate based on expert opinion with no or minimal sampling (1)			
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	Use of different method			

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	unknown (x)
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)
Mining and quarrying (C01)	high importance (H)	N/A
Taking / Removal of terrestrial plants, general (F04)	high importance (H)	N/A

2.6.1 Method used – pressures based only on expert judgements (1)

2.7 Main Threats

Threat	ranking	pollution qualifier(s)
Mining and quarrying (C01)	high importance (H)	N/A
Taking / Removal of terrestrial plants, general (F04)	high importance (H)	N/A

2.7.1 Method used – threats expert opinion (1)

2.8 Complementary Information

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

2.8.1 Justification of % thresholds for trends

2.8.2 Other relevant Information

- 1) The IUCN Italian assessment (NT) relates only to REG MED populations (Toscany populations).
Source: ANSALDI M., BEDINI G., 2013. *Aquilegia bertolonii* Schott. Inform. Bot. Ital. 45 (1): 122-123.
- 2) Ex-situ conservation: Orto botanico di Pisa, con duplicati inviati alla Millennium Seed Bank, Royal Botanic Gardens Kew (UK).
- 3) A taxonomical review of this species is on-going.
Source: ANSALDI M., BEDINI G., 2013. *Aquilegia bertolonii* Schott. Inform. Bot. Ital. 45 (1): 122-123.

2.8.3 Trans-boundary assessment

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

2.9.1 Range	assessment Favourable (FV) qualifiers N/A
2.9.2. Population	assessment Favourable (FV) qualifiers N/A
2.9.3. Habitat	assessment Favourable (FV) qualifiers N/A
2.9.4. Future prospects	assessment Favourable (FV) qualifiers N/A
2.9.5 Overall assessment of Conservation Status	Favourable (FV)
2.9.5 Overall trend in Conservation Status	N/A

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

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).

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Marginal presence in ALP REG.

- AESCHIMANN D., LAUBER K., MOSER D.M., THEURILLAT J.-P., 2004 - Flora alpina. 3 voll. Zanichelli. Bologna.
- ANSALDI M., BEDINI G., 2013. *Aquilegia bertolonii* Schott. Inform. Bot. Ital. 45 (1) (In stampa)
- BARBERO M., BONO B., 1973 – La végétation orophile des Alpes Apuanes. Vegetatio, 27(1-3): 1-48.
- BUORD S., GARGANO D., GIGOT G., JOGAN N., MONTAGNANI C. 2011 - *Aquilegia bertolonii*. In: IUCN 2012. IUCN Red List of Threatened Species. Version 2012.2. <www.iucnredlist.org>. Downloaded on 11 February 2013.
- 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.
- FERRARINI E., 1979 - Studi sulla vegetazione dell'Appennino settentrionale (dal Passo della Cisa al Passo delle Radici). Mem. Accad. Lunig. Sci. "Giovanni Capellini", 43: 3-87.
- MORALDO B., 2001 – *Aquilegia bertolonii*. In: Pignatti S., Menegoni P., Giacanelli V. (eds.), Liste rosse e blu della flora italiana: 106-107. ANPA, Roma.
- PIGNATTI S., 1982 - Flora d'Italia, voll. 1-3. Edagricole, Bologna.
- REGIONE LIGURIA, 2008 - Carta della Biodiversità (www.ambienteinliguria.it).
- 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.
- SALANON R., KULESCA V., 1998 - Mémento de la flore protégée des Alpes-Maritimes. ONF.
- SALVAI G., 2006 – *Aquilegia bertolonii* Schott - Scheda botanica. http://www.actaplantarum.org/floraitaliae/mod_viewtopic.php?t=1065
- 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).
- TOMASELLI M., 1994 – The vegetation of summit rock faces, talus slopes and grasslands in the northern Apennines (N Italy). Fitosociologia 26: 35-50.

2.3 Range

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2.3.1 Surface area - Range (km ²)			
2.3.2 Method - Range surface area	N/A		
2.3.3 Short-term trend period			
2.3.4 Short-term trend direction	N/A		
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	No	
	method		
2.3.10 Reason for change			

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	N/A		
	min		max	
2.4.3 Additional information	Definition of locality			
	Conversion method			
	Problems			
2.4.4 Year or period				
2.4.5 Method – population size	N/A			
2.4.6 Short-term trend period				
2.4.7 Short term trend direction	N/A			
2.4.8 Short-term trend magnitude	min	max	confidence interval	
2.4.9 Short-term trend method	N/A			
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	N/A		
	unknown	No		
	method			
2.4.15 Reason for change				

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	N/A
2.5.4 a) Quality of habitat	
2.5.4 b) Quality of habitat - method	
2.5.5 Short term trend period	
2.5.6 Short term trend direction	N/A
2.5.7 Long-term trend period	
2.5.8 Long term trend direction	N/A

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

2.5.9 Area of suitable habitat (km²)

2.5.10 Reason for change

2.6 Main Pressures

2.6.1 Method used – pressures N/A

2.7 Main Threats

2.7.1 Method used – threats N/A

2.8 Complementary Information

2.8.1 Justification of % thresholds for trends

2.8.2 Other relevant Information

- 1) Marginal presence in ALP REG.
- 2) Ex-situ conservation: Orto botanico di Pisa, con duplicati inviati alla Millennium Seed Bank, Royal Botanic Gardens Kew (UK).
- 3) A taxonomical review of this species is on-going.
Source: ANSALDI M., BEDINI G., 2013. *Aquilegia bertolonii* Schott. Inform. Bot. Ital. 45 (1) (In press)

2.8.3 Trans-boundary assessment

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

2.9.1 Range assessment N/A
qualifiers N/A

2.9.2. Population assessment N/A
qualifiers N/A

2.9.3. Habitat assessment N/A
qualifiers N/A

2.9.4. Future prospects assessment N/A
qualifiers N/A

2.9.5 Overall assessment of Conservation Status N/A

2.9.5 Overall trend in Conservation Status N/A

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	medium importance (M)	Both	Unknown Not evaluated

Species name: *Aquilegia bertolonii* (1474)

Field label	Note	User
2.0 Regions	La specie è stata riportata come MARGINALE nella Regione ALPINA, data la prossimità della stazione al confine biogeografico. Per la Liguria è stata quindi rendicontata solo nella Regione Mediterranea, poiché in caso di presenza marginale non è richiesta la compilazione della scheda di reporting.	ISPRA_F LORA
0.2.3 Alternative Speciesname	Studi recenti mettono in discussione l'inquadramento tassonomico di questa entità, la cui distribuzione potrebbe pertanto dover essere aggiornata in futuro. Si riporta quanto scritto in proposito da Ansaldo e Bedini (in stampa): "Considerata fino al recente passato (SCOPPOLA, SPAMPINATO, 2005) endemita ligure-provenzale, <i>A. bertolonii</i> Schott va oggi considerata endemica apuana. Autorevoli floristi (Marchetti D., in verbis; Nardi E., in verbis) hanno infatti rilevato differenze importanti tra le piante del Ponente ligure e quelle dell'area apuana, differenze che hanno riscontro soprattutto a livello biometrico e morfologico (dimensioni e forma degli speroni, forma delle divisioni di 2° ordine della lamina fogliare), per cui questi taxa sono da considerare distinti." Fonte: ANSALDI M., BEDINI G., 2013. <i>Aquilegia bertolonii</i> Schott. Inform. Bot. Ital. 45 (1): 122-123.	ISPRA_F LORA
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: LIGURIA, EMILIA ROMAGNA, TOSCANA (Raccolta dati per articolo 17, 2012).	ISPRA_F LORA