

# 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	1387
0.2.2 Species name	<i>Orthotrichum rogeri</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).

ALEFFI M., TACCHI R., CORTINI PEDROTTI C., 2008 – Check-list of the Hornwort, Liverworts and Mosses of Italy. *Bocconea*, 22: 1-256.

CONTI F., MANZI A., PEDROTTI F., 1992 - Libro Rosso delle Piante d'Italia. WWF Italia. Roma. 637 pp.

CORTINI C., 2001 – *Orthotrichum rogeri*. In: Pignatti S., Menegoni P., Giacanelli V. (eds.), *Liste rosse e blu della flora italiana*: 65. ANPA, Roma.

CORTINI PEDROTTI C., 1992 - Check-list of the Mosses of Italy. *Flora Mediterranea* 11: 23-107.

CORTINI PEDROTTI C., 2001a - New check-list of the Mosses of Italy. *Flora Mediterranea* 2: 119-221.

CORTINI PEDROTTI C., 2001b - *Flora dei muschi d'Italia*. Antonio Delfino Editore. 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

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

2.3.1 Surface area - Range (km <sup>2</sup> )	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	increase (+)	
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	more than (>)
	unknown	No
	method	Expert judgment
2.3.10 Reason for change	Improved knowledge/more accurate dataUse 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	5	max	5
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	unknown (x)			
2.4.8 Short-term trend magnitude	min		max	confidence interval
2.4.9 Short-term trend method	Absent data (0)			
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	Yes		
	method			
2.4.15 Reason for change	Use of different method			

## 2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km <sup>2</sup> )	
2.5.2 Year or period	
2.5.3 Method used - habitat	Absent data (0)
2.5.4 a) Quality of habitat	Moderate
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	decrease (-)

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2.5.7 Long-term trend period  
2.5.8 Long term trend direction  
2.5.9 Area of suitable habitat (km<sup>2</sup>)  
2.5.10 Reason for change

N/A

## 2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
Unknown threat or pressure (U)	()	N/A

2.6.1 Method used – pressures N/A

## 2.7 Main Threats

Threat	ranking	pollution qualifier(s)
Air pollution, air-borne pollutants (H04)	medium importance (M)	N/A
forestry clearance (B02.02)	medium importance (M)	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 (2012): EN. Assessment criteria: B2ab(iii)  
Unpublished source: 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.

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 unknown (x)
2.9.2. Population	assessment Unknown (XX) qualifiers N/A
2.9.3. Habitat	assessment Inadequate (U1) qualifiers declining (-)
2.9.4. Future prospects	assessment Inadequate (U1) qualifiers declining (-)
2.9.5 Overall assessment of Conservation Status	Inadequate (U1)
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

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

## 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	Unknown

## 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).

ALEFFI M., TACCHI R., CORTINI PEDROTTI C., 2008 – Check-list of the Hornwort, Liverworts and Mosses of Italy. Boccone, 22: 1-256.

CONTI F., MANZI A., PEDROTTI F., 1992 - Libro Rosso delle Piante d'Italia. WWF Italia. Roma. 637 pp.

CORTINI C., 2001 – Orthotricum rogeri. In: Pignatti S., Menegoni P., Giacanelli V. (eds.), Liste rosse e blu della flora italiana: 65. ANPA, Roma.

CORTINI PEDROTTI C., 1992 - Check-list of the Mosses of Italy. Flora Mediterranea 11: 23-107.

CORTINI PEDROTTI C., 2001a - New check-list of the Mosses of Italy. Flora Mediterranea 2: 119-221.

CORTINI PEDROTTI C., 2001b - Flora dei muschi d'Italia. Antonio Delfino Editore. Roma.

LARA, F., GARILLETI, R., MAZIMPAKA, V., LO GIUDICE, R. 2004 - Some new and interesting Orthotrichum from Italy. — Braun-Blanquetia 34: 11-13.

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. 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 <sup>2</sup> )	200
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	increase (+)
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 more than (>) unkown No method Expert judgment
2.3.10 Reason for change	Improved knowledge/more accurate data

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

## 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	2	max	2
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	unknown (x)			
2.4.8 Short-term trend magnitude	min		max	confidence interval
2.4.9 Short-term trend method	Absent data (0)			
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	more than (>)		
	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 <sup>2</sup> )	Absent data (0) Moderate expert based 2001-2012 decrease (-)  N/A
2.5.2 Year or period	
2.5.3 Method used - habitat	
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	
2.5.7 Long-term trend period	
2.5.8 Long term trend direction	
2.5.9 Area of suitable habitat (km <sup>2</sup> )	
2.5.10 Reason for change	

## 2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
Unknown threat or pressure (U)	()	N/A
2.6.1 Method used – pressures	N/A	

## 2.7 Main Threats

Threat	ranking	pollution qualifier(s)
Air pollution, air-borne pollutants (H04)	medium importance (M)	N/A
forestry clearance (B02.02)	medium importance (M)	N/A

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

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: B2ab(iii)  
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 unknown (x)

2.9.2. Population assessment Inadequate (U1)  
qualifiers unknown (x)

2.9.3. Habitat assessment Inadequate (U1)  
qualifiers declining (-)

2.9.4. Future prospects assessment Inadequate (U1)  
qualifiers declining (-)

2.9.5 Overall assessment of Conservation Status Inadequate (U1)

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

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

**Species name: Orthotrichum rogeri (1387)**

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: LOMBARDIA, TOSCANA (Raccolta dati per articolo 17, 2012).	ISPRA_F LORA

**Species name: Orthotrichum rogeri (1387) Region code: ALP**

Field label	Note	User
2.9.6 Conclusion - overall assessment trend	Il trend tiene conto delle minacce future e dei criteri utilizzati per l'assessment: areale molto frammentato e declino continuo nell'estensione e nella qualità dell'habitat. Fonte: 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.	ISPRA_F LORA
2.5.6 Short term trend direction	Il trend tiene conto dei criteri utilizzati per l'assessment: declino continuo nell'estensione e nella qualità dell'habitat. Fonte: 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.	ISPRA_F LORA

**Species name: Orthotrichum rogeri (1387) Region code: CON**

Field label	Note	User
2.9.6 Conclusion - overall assessment trend	Il trend tiene conto delle minacce future e dei criteri utilizzati per l'assessment: areale molto frammentato e declino continuo nell'estensione e nella qualità dell'habitat. Fonte: 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.	ISPRA_F LORA
2.5.6 Short term trend direction	Il trend tiene conto dei criteri utilizzati per l'assessment: declino continuo nell'estensione e nella qualità dell'habitat. Fonte: 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.	ISPRA_F LORA