

# 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	1393
0.2.2 Species name	Drepanocladus vernicosus
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 expert opinion with no or minimal sampling (1)
1.1.3 Year or period	2007-2012
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

#### 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. 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 – Drepanocladus vernicosus. In: Pignatti S., Menegoni P., Giacanelli V. (eds.), Liste rosse e blu della flora italiana: 61. 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.

SGUAZZIN F., 2011 - Check-list delle briofite del Friuli Venezia Giulia. Gortania 32: 17-114.

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> )	100	
2.3.2 Method - Range surface area	Estimate based on expert opinion with no or minimal sampling (1)	
2.3.3 Short-term trend period	2001-2012	
2.3.4 Short-term trend direction	unknown (x)	
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	N/A
	unkown	Yes
	method	The range map is partial. Based on published data (Aleffi et al., 2008; Cortini C., 2001) the species should be present also in other localities, but no georeferred data are available.
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	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	Absent data (0)			
2.4.6 Short-term trend period				
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	The distribution map is partial. Based on published data (Aleffi et al., 2008; Cortini C., 2001) the species should be present also in other localities, but no population data are available.		
2.4.15 Reason for change				

## 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

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2.5.4 b) Quality of habitat - method	expert based
2.5.5 Short term trend period	
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 <sup>2</sup> )	
2.5.10 Reason for change	

## 2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
infilling of ditches, dykes, ponds, pools, marshes or pits (J02.01.03)	medium importance (M)	N/A
agricultural intensification (A02.01)	high importance (H)	N/A

2.6.1 Method used – pressures	based only on expert judgements (1)
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## 2.7 Main Threats

Threat	ranking	pollution qualifier(s)
Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01)	medium importance (M)	N/A
droughts and less precipitations (M01.02)	low importance (L)	N/A
walking, horseriding and non-motorised vehicles (G01.02)	medium importance (M)	N/A
Canalisation & water deviation (J02.03)	medium importance (M)	N/A
Other human induced changes in hydraulic conditions (J02.15)	medium importance (M)	N/A

2.7.1 Method used – threats	expert opinion (1)
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## 2.8 Complementary Information

2.8.1 Justification of % thresholds for trends

2.8.2 Other relevant Information

Italian Red List (2012): DD

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 Unknown (XX) qualifiers N/A
2.9.2. Population	assessment Unknown (XX) qualifiers N/A
2.9.3. Habitat	assessment Unknown (XX) qualifiers N/A
2.9.4. Future prospects	assessment Unknown (XX) qualifiers N/A
2.9.5 Overall assessment of Conservation Status	Unknown (XX)
2.9.5 Overall trend in Conservation Status	N/A

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

## 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 measures needed for the conservation of the habitat/species (1.1)		( )		

## 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. *Boccone*, 22: 1-256.

CAPRA J., 1905 - Contribution à la Flore bryologique de la Vallée d'Aoste. *Bull. Soc. Flore Vald.*, 3: 62.

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

CORTINI C., 2001 – *Drepanocladus vernicosus*. In: Pignatti S., Menegoni P., Giacanelli V. (eds.), *Liste rosse e blu della flora italiana*: 61. 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.

JOSEF KIEM, 2002 - Zur Verbreitung von Feucht- und Nassmoosen in Südtirol (Bryophyta: Sphagnidae et Bryidae) *Gredleriana* (vol. 2) 233-252.

SGUAZZIN F., 2011 - Check-list delle briofite del Friuli Venezia Giulia. *Gortania* 32: 17-114.

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 (km²)	1000	
2.3.2 Method - Range surface area	Estimate based on expert opinion with no or minimal sampling (1)	
2.3.3 Short-term trend period	2001-2012	
2.3.4 Short-term trend direction	unknown (x)	
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 (km²)	
	operator	N/A
	unkown	Yes
	method	The range map is partial. Based on published data (Aleffi et al., 2008; Cortini C., 2001) the species should be present also in other localities, but no georeferred data are available.
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	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	Absent data (0)			
2.4.6 Short-term trend period				
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	The distribution map is partial. Based on published data (Aleffi et al., 2008; Cortini C., 2001) the species should be present also in other localities, but no population data are available.		
2.4.15 Reason for change				

## 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

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

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 <sup>2</sup> )	
2.5.10 Reason for change	

## 2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
diffuse pollution to surface waters due to agricultural and forestry activities (H01.05)	medium importance (M)	N/A
intensive grazing (A04.01)	medium importance (M)	N/A
human induced changes in hydraulic conditions (J02)	medium importance (M)	N/A
Biocenotic evolution, succession (K02)	medium importance (M)	N/A
Trampling, overuse (G05.01)	medium importance (M)	N/A

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

## 2.7 Main Threats

Threat	ranking	pollution qualifier(s)
diffuse pollution to surface waters due to agricultural and forestry activities (H01.05)	medium importance (M)	N/A
intensive grazing (A04.01)	medium importance (M)	N/A
human induced changes in hydraulic conditions (J02)	medium importance (M)	N/A
Biocenotic evolution, succession (K02)	medium importance (M)	N/A
Trampling, overuse (G05.01)	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): DD  
 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 Unknown (XX) qualifiers N/A
2.9.2. Population	assessment Unknown (XX) qualifiers N/A
2.9.3. Habitat	assessment Unknown (XX) qualifiers N/A

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2.9.4. Future prospects	assessment Unknown (XX) qualifiers N/A
2.9.5 Overall assessment of Conservation Status	Unknown (XX)
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	Not evaluated

## Species name: *Drepanocladus vernicosus* (1393)

Field label	Note	User
1.1.1 Distribution Map	<p>The distribution map is partial and refers only to data provided by some Regions. Data sources: PROV. AUTONOMA DI BOLZANO, REGIONI: VALLE D'AOSTA, FRIULI VENEZIA GIULIA, (Raccolta dati per articolo 17, 2012).</p> <p>The species is present also in Lombardia and Liguria (REG ALP) and Emilia Romagna (REG CON).</p> <p>Data sources: CORTINI C., 2001 – <i>Drepanocladus vernicosus</i>. In: Pignatti S., Menegoni P., Giacanelli V. (eds.), Liste rosse e blu della flora italiana: 61. ANPA, Roma.</p>	ISPRA_F LORA

## Species name: *Drepanocladus vernicosus* (1393) Region code: ALP

Field label	Note	User
2.3.1 Surface area - Range (km <sup>2</sup> )	The range map is partial. Based on published data (Aleffi et al., 2008; Cortini C., 2001) the species should be present also in other localities, but no georeferred data are available.	ISPRA_F LORA

## Species name: *Drepanocladus vernicosus* (1393) Region code: CON

Field label	Note	User
2.3.1 Surface area - Range (km <sup>2</sup> )	The range map is partial. Based on published data (Aleffi et al., 2008; Cortini C., 2001) the species should be present also in other localities, but no georeferred data are available.	ISPRA_F LORA