



## Vertigo moulinsiana

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<b>Annex</b>	II
<b>Priority</b>	No
<b>Species group</b>	Molluscs
<b>Regions</b>	Alpine, Atlantic, Black Sea, Boreal, Continental, Mediterranean, Pannonian

The landsnail *Vertigo moulinsiana* is a small snail spread across Europe as far north as southern Sweden. It lives in marshes and swamps and have a rather wide amplitude in ecological demands. It is redlisted as Vulnerable (VU) by IUCN.

The conservation status is "Unfavourable Inadequate" in Alpine, Mediterranean and Pannonian region, "Unfavourable Bad" in Atlantic and Boreal region and "Favourable" in Black Sea and Continental region. Trend is negativ in Atlantic and Mediterranean region, in the other region it is stable or unknown trend.

The main threats are eutrophication, drainage, lowering of groundwater level, lack of flooding, cultivation and pollution.

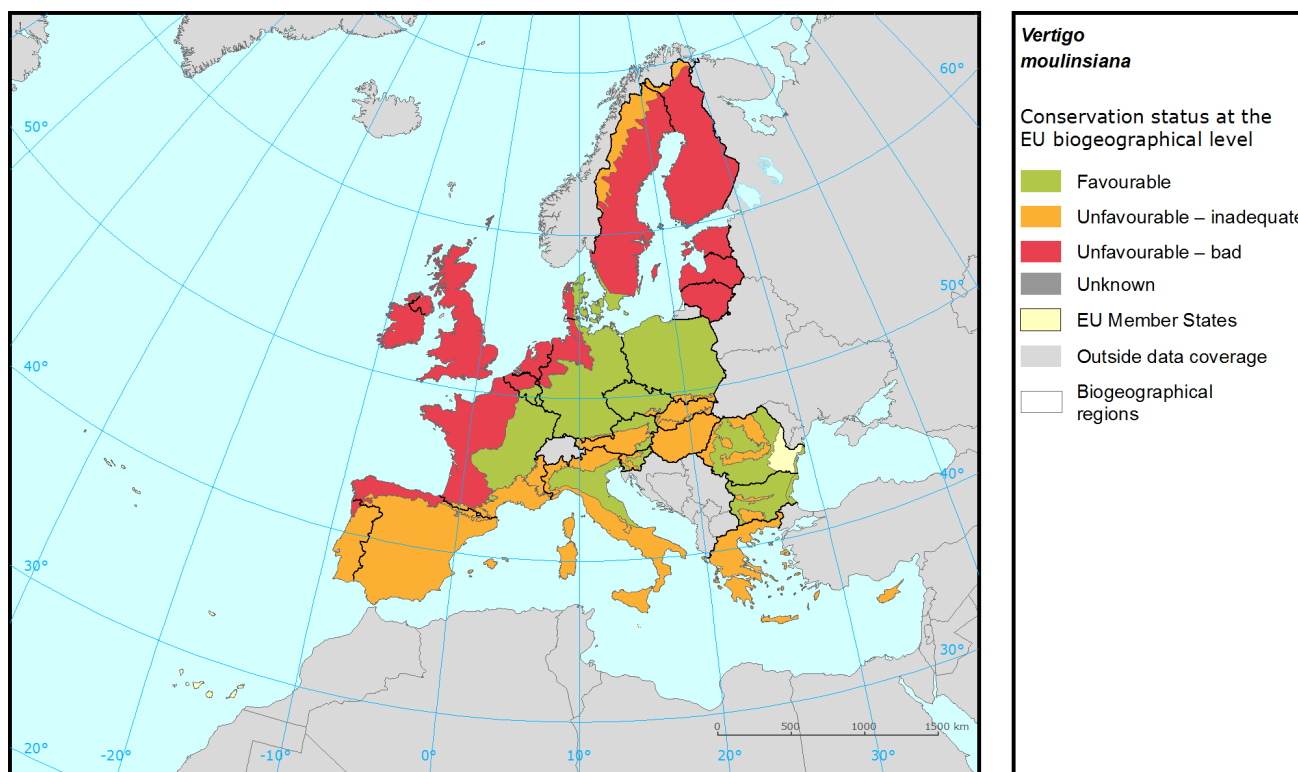
Changes in overall conservation status between 2001-06 and 2007-12 report are mostly caused by different methodical approach and better data rather than real change in conservation status in Alpine, Continental, Mediterranean and Pannonian region. No changes in overall conservation status between 2001-06 and 2007-12 reports in Atlantic and Boreal region. The species was not reported from Black Sea region 2001-06.

Better data required from Belgium, France, Greece, Italy, Poland, Romania, Slovakia and Spain.

# Species: *Vertigo moulinsiana*

Report under the Article 17 of the Habitats Directive

## Assessment of conservation status at the European biogeographical level

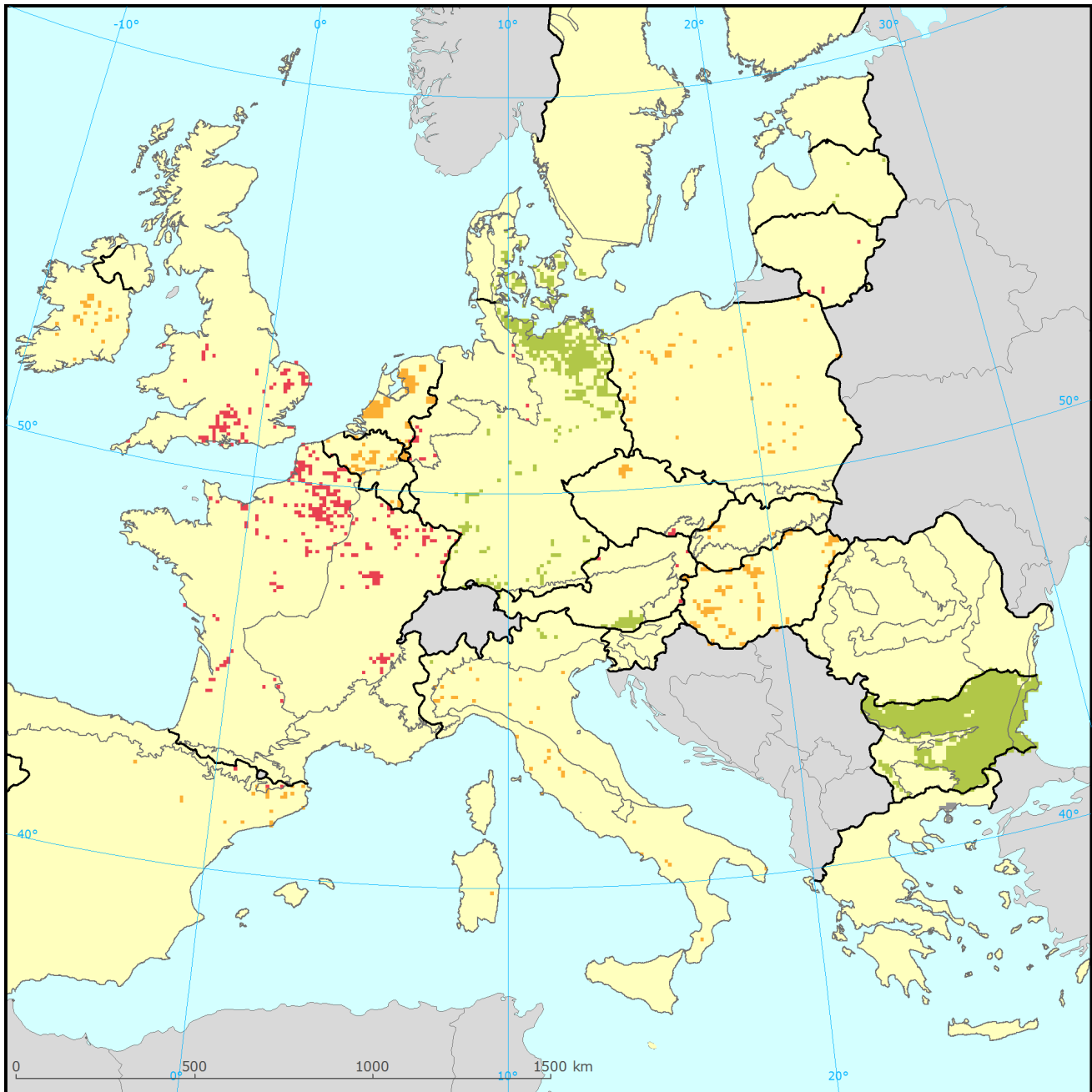


Region	Conservation status (CS) of parameters				Current CS	Trend in CS	% in region	Previous CS	Reason for change
	Range	Population	Habitat	Future prospects					
ALP	FV	U1	U1	U1	U1	x	2	XX	Not genuine
ATL	U1	XX	U2	U2	U2	-	19	U2	
BLS	FV	FV	FV	FV	FV		4	XX	Not genuine
BOR	FV	U2	U1	U1	U2	=	0.43	U2	
CON	FV	FV	FV	FV	FV		66	U1	Not genuine
MED	XX	XX	U1	XX	U1	-	3	XX	Not genuine
PAN	FV	U1	U1	U1	U1	=	5	FV	Not genuine

See the endnote for more information<sup>i</sup>

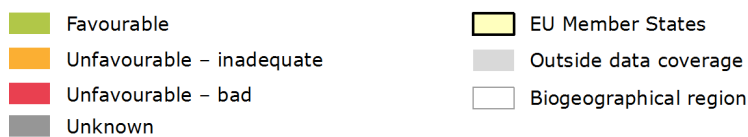
Species: *Vertigo moulinsiana*  
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## Assessment of conservation status at the Member State level



### *Vertigo moulinsiana*

Distribution and conservation status at the Member State level



The map shows both Conservation Status and distribution using a 10 km x 10 km grid. Conservation status is assessed at biogeographical level. Therefore the representation in each grid cell is only illustrative.

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## Report under the Article 17 of the Habitats Directive

MS	Region	Conservation status of parameters				Current CS	Trend in CS	% in region	Previous CS	Reason for change
		Range	Population	Habitat	Future prospects					
AT	ALP	FV	FV	FV	FV	FV		61.2	U1	Changed method
ES	ALP	XX	U2	XX	U2	U2	-	6.1	XX	
IT	ALP	FV	XX	FV	FV	FV		12.2		
RO	ALP	XX	XX	XX	XX	XX				
SK	ALP	XX	XX	U1	U1	U1	=	20.4	U1	
BE	ATL	FV	XX	U1	U1	U1	=	8.9	U1	
DE	ATL	U2	U2	U1	U2	U2	=	3.7	U2	
FR	ATL	U1	XX	U2	U2	U2	-	40.6	U2	
IE	ATL	U1	U1	U1	U1	U1	-	7.4	U2	Better data
NL	ATL	FV	FV	U1	FV	U1	=	19.1	U1	
UK	ATL	FV	U2	U1	U2	U2	-	20.3	XX	Changed method
BG	BLS	FV	FV	FV	FV	FV		100.0		
LT	BOR	FV	U2	U1	U1	U2	=	44.4	U2+	
LV	BOR	FV	FV	FV	FV	FV		55.6	FV	
AT	CON	U2	U2	U2	U2	U2	x	0.3	U2	Changed method
BE	CON	XX	U1	U1	U1	U1	=	0.4	XX	
BG	CON	FV	FV	FV	FV	FV		55.0		
CZ	CON	FV	U1	U1	FV	U1	+	0.8	FV	Genuine
DE	CON	FV	FV	FV	FV	FV		27.5	U1	Better data
DK	CON	FV	FV	FV	FV	FV		4.5	FV	
FR	CON	FV	XX	U2	U2	U2	=	5.7	U2	
IT	CON	FV	XX	U1	U1	U1	-	1.2	U1	Genuine
PL	CON	XX	U1	FV	U1	U1	x	4.4	U1	
SE	CON	FV	FV	FV	FV	FV		0.2	FV	
ES	MED	U1	XX	U1	XX	U1	-	36.4	XX	Changed method
GR	MED	XX	XX	XX	XX	XX		32.7	XX	
IT	MED	FV	XX	U1	U1	U1	-	30.9	U1	Genuine
CZ	PAN	U2	U1	U1	U1	U2	=	2.8	FV	Genuine
HU	PAN	FV	U1	U1	U1	U1	=	97.2	FV	Changed method
SK	PAN	U2	U2	U2	U2	U2	-		XX	Better data

Knowing that not all changes in conservation status between the reporting periods were genuine, Member States were asked to give the reasons for changes in conservation status. Bulgaria and Romania only joined the EU in 2007 and Greece did not report for 2007-12 so no reason is given for change for these countries. Greek data shown above is from 2001-06.

## Main pressures and threats reported by Member States

Member States were asked to report the 20 most important threats and pressures using an agreed hierarchical list which can be found on the [Article 17 Reference Portal](#). Pressures are activities which are currently having an impact on the species and threats are activities expected to have an impact in the near future. Pressures and threats were ranked in three classes 'high, medium and low importance'; the tables below only show threats and pressures classed as 'high', for some species there were less than ten threats or pressures reported as highly important.

### Ten most frequently reported 'highly important' pressures

Code	Activity	Frequency
J02	Changes in water bodies conditions	41
A02	Modification of cultivation practices	10
B02	Forest and plantation management & use	7
K02	Vegetation succession/Biocenotic evolution	7
A01	Agricultural cultivation	5
A09	Irrigation in agriculture	5
H01	Pollution to surface waters	5
H02	Pollution to groundwater	5
M02	Biotic changes (climate change)	5
A03	Mowing or cutting grasslands	2

### Ten most frequently reported 'highly important' threats

Code	Activity	Frequency
J02	Changes in water bodies conditions	44
A02	Modification of cultivation practices	8
H01	Pollution to surface waters	6
K02	Vegetation succession/Biocenotic evolution	6
A01	Agricultural cultivation	4
A09	Irrigation in agriculture	4
B02	Forest and plantation management & use	4
B05	Use of fertilizers (forestry)	4
H02	Pollution to groundwater	4
M02	Biotic changes (climate change)	4

## Proportion of population covered by the Natura 2000 network

For species listed in the Annex II of the Directive Member States were asked to report the population size within the Natura 2000 network. The percentage of species population covered by the network was estimated by comparing the population size within the network and the total population size in the biogeographical/marine region.

### Percentage of coverage by Natura 2000 sites in biogeographical/marine region

	ALP	ATL	BLS	BOR	CON	MED	PAN
<b>AT</b>	9				67		
<b>BE</b>		80			81		
<b>BG</b>			70		40		
<b>CZ</b>					65		50
<b>DE</b>		1			75		
<b>DK</b>					46		
<b>ES</b>	x					15	
<b>FR</b>		x			x		
<b>HU</b>							52
<b>IE</b>		86					
<b>IT</b>	x				x	x	
<b>LT</b>				73			
<b>LV</b>				100			
<b>NL</b>		84					
<b>PL</b>					75		
<b>RO</b>	100						
<b>SE</b>					82		
<b>SK</b>	20						3
<b>UK</b>		29					

See the endnotes for more information<sup>ii</sup>

## Most frequently reported conservation measures

For species listed in the Annex II of the Directive Member States were asked to report up to 20 conservation measures being implemented for this species using an agreed list which can be found on the Article 17 Reference Portal. Member States were further requested to highlight up to five most important ('highly important') measures; the table below only shows measures classed as 'high', for many species there were less than ten measures reported as highly important.

### Ten most frequently reported 'highly important' conservation measures

Code	Measure	Frequency
4.2	Restoring/improving the hydrological regime	23
6.1	Establish protected areas/sites	17
6.3	Legal protection of habitats and species	15
7.4	Specific single species or species group management measures	9
2.1	Maintaining grasslands and other open habitats	4
4.0	Other wetland-related measures	4
4.1	Restoring/improving water quality	4
4.3	Managing water abstraction	4
6.0	Other spatial measures	4
8.1	Urban and industrial waste management	4

This information is derived from the Member State national reports submitted to the European Commission under Article 17 of the Habitats Directive in 2013 and covering the period 2007-2012. More detailed information, including the MS reports, is available at:

<http://bd.eionet.europa.eu/article17/reports2012/species/summary/?group=Molluscs&period=3&subject=Vertigo+moulinsiana>

# Species: *Vertigo moulinsiana*

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**i Assessment of conservation status at the European biogeographical level:** Current Conservation Status (Current CS) shows the status for the reporting period 2007-2012, Previous Conservation Status (Previous CS) for the reporting period 2000-2006. Reason for change in conservation status between the reporting periods indicates whether the changes in the status were genuine or not genuine. Previous Conservation Status was not assessed for Steppic, Black Sea and Marine Black Sea regions. For these regions the Previous status is therefore considered as 'unknown'. The percentage of the species population occurring within the biogeographical/marine region (% in region) is calculated based on the area of GIS distribution.

**ii Percentage of coverage by Natura 2000 sites in biogeographical/marine region:** In some cases the population size within the Natura 2000 network has been estimated using a different methodology to the estimate of overall population size and this can lead to percentage covers greater than 100%. In such case the value has been given as 100% and highlighted with an asterisk (\*). The value 'x' indicates that the Member State has not reported the species population and/or the coverage by Natura 2000. No information is available for Greece. The values are only provided for regions, in which the occurrence of the species has been reported by the Member States.