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	**1298**
0.2.2 Species name	**Vipera ursinii**
0.2.3 Alternative species scientific name	N/A
0.2.4 Common name	Vipera di Orsini

1. National Level

1.1 Maps

1.1.1 Distribution Map	Yes
1.1.1a Sensitive species	No
1.1.2 Method used - map	Complete survey/Complete survey or a statistically robust estimate (3)
1.1.3 Year or period	2000-2012
1.1.4 Additional map	No
1.1.5 Range map	Yes

2. Biogeographical Or Marine Level

2.1 Biogeographical Region	**Mediterranean (MED)**
2.2 Published sources	The present species assessment (fields 0.1-2.9) has been compiled by Anna Rita Di Cerbo, Francesco Ficetola, Roberto Sindaco (Societas Herpetologica Italica). Information, unpublished data and experts' judgments have been provided by Anna Rita Di Cerbo, Francesco Ficetola, Roberto Sindaco. Ferri V., Marconi M., 2006. Vipera ursinii (Bonaparte, 1835). In: Atlante degli Anfibi e dei Rettili d'Italia / Atlas of Italians Amphibians and Reptiles. Sindaco R., Doria G., Razzetti E. & Bernini F. (Eds), p. 278-283. Societas Herpetologica Italica. Edizioni Polistampa, Firenze. Filippi E., Capula M., Luiselli L., Rugiero L., 2011. Vipera ursinii (Bonaparte, 1835). In: Fauna d'Italia, vol. XLV Reptilia. A cura di Corti C., Capula M., Luiselli L., Razzetti E., Sindaco R., p. 623-627. Edizioni Calderini de Il Sole 24 ORE, Bologna. Rondinini, C., Battistoni, A., Peronace, V., Teofili, C. (compilatori). 2013. Lista Rossa IUCN dei Vertebrati Italiani. Comitato Italiano IUCN e Ministero dell'Ambiente, del Territorio e del Mare, Roma.

2.3 Range

2.3.1 Surface area - Range (km²)	1600	
2.3.2 Method - Range surface area	Complete survey/Complete survey or a statistically robust estimate (3)	
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 (km²)	
	operator	approximately equal to (≈)
	unkown	No
	method	Expert judgement
2.3.10 Reason for change	Use of different method	

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

2.4 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	9	max	9
2.4.3 Additional information	Definition of locality			
	Conversion method			
	Problems			
2.4.4 Year or period	2000-2012			
2.4.5 Method – population size	Complete survey/Complete survey or a statistically robust estimate (3)			
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	more than (>)		
	unknown	No		
	method	Expert judgement		
2.4.15 Reason for change	Improved knowledge/more accurate data			

2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km²)	
2.5.2 Year or period	2000-2012
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	Intensive pasture, elimination of the grass on which its preys feed and human recreational activity in the habitat affect populations. Roads and patch cause death of moving individuals due to collision with vechicles.
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 (km²)	
2.5.10 Reason for change	Improved knowledge/more accurate data

2.6 Main Pressures

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

Pressure	ranking	pollution qualifier(s)
Outdoor sports and leisure activities, recreational activities (G01)	medium importance (M)	N/A
Other human intrusions and disturbances (G05)	medium importance (M)	N/A
Roads, paths and railroads (D01)	medium importance (M)	N/A
collection of animals (insects, reptiles, amphibians.....) (F03.02.01)	low importance (L)	N/A
off-road motorized driving (G01.03.02)	medium importance (M)	N/A
intensive grazing (A04.01)	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)
Outdoor sports and leisure activities, recreational activities (G01)	medium importance (M)	N/A
Other human intrusions and disturbances (G05)	medium importance (M)	N/A
Roads, paths and railroads (D01)	medium importance (M)	N/A
collection of animals (insects, reptiles, amphibians.....) (F03.02.01)	low importance (L)	N/A
off-road motorized driving (G01.03.02)	medium importance (M)	N/A
intensive grazing (A04.01)	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

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: Inadequate (U1)
- qualifiers: declining (-)

2.9.3. Habitat
- assessment: Favourable (FV)
- qualifiers: N/A

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

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

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
Measures needed, but not implemented (1.2)		()		

2. Biogeographical Or Marine Level

2.1 Biogeographical Region	**Continental (CON)**
2.2 Published sources	The present species assessment (fields 0.1-2.9) has been compiled by Anna Rita Di Cerbo, Francesco Ficetola, Roberto Sindaco (Societas Herpetologica Italica). Information, unpublished data and experts' judgments have been provided by Anna Rita Di Cerbo, Francesco Ficetola, Roberto Sindaco. Ferri V., Marconi M., 2006. Vipera ursinii (Bonaparte, 1835). In: Atlante degli Anfibi e dei Rettili d'Italia / Atlas of Italians Amphibians and Reptiles. Sindaco R., Doria G., Razzetti E. & Bernini F. (Eds), p. 278-283. Societas Herpetologica Italica. Edizioni Polistampa, Firenze. Filippi E., Capula M., Luiselli L., Rugiero L., 2011. Vipera ursinii (Bonaparte, 1835). In: Fauna d'Italia, vol. XLV Reptilia. A cura di Corti C., Capula M., Luiselli L., Razzetti E., Sindaco R., p. 623-627. Edizioni Calderini de Il Sole 24 ORE, Bologna. Rondinini, C., Battistoni, A., Peronace, V., Teofili, C. (compilatori). 2013. Lista Rossa IUCN dei Vertebrati Italiani. Comitato Italiano IUCN e Ministero dell'Ambiente, del Territorio e del Mare, Roma.

2.3 Range

2.3.1 Surface area - Range (km²)	1900	
2.3.2 Method - Range surface area	Complete survey/Complete survey or a statistically robust estimate (3)	
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 (km²)	
	operator	approximately equal to (≈)
	unkown	No
	method	Expert judgement
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

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

2.4.2 Population size (other than individuals)	Unit number of map 10x10 km grid cells (grids10x10) min 12 max 12
2.4.3 Additional information	Definition of locality Conversion method Problems
2.4.4 Year or period	2000-2012
2.4.5 Method – population size	Complete survey/Complete survey or a statistically robust estimate (3)
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 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 judgement
2.4.15 Reason for change	Improved knowledge/more accurate data

2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km²)	
2.5.2 Year or period	2000-2012
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	Intensive pasture, elimination of the grass on which its preys feed and human recreational activity in the habitat affect populations. Roads and patch cause death of moving individuals due to collision with vechicles.
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 (km²)	
2.5.10 Reason for change	Improved knowledge/more accurate data

2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
Outdoor sports and leisure activities, recreational activities (G01)	medium importance (M)	N/A
Other human intrusions and disturbances (G05)	medium importance (M)	N/A
Roads, paths and railroads (D01)	medium importance (M)	N/A
collection of animals (insects, reptiles, amphibians.....) (F03.02.01)	low importance (L)	N/A
off-road motorized driving (G01.03.02)	medium importance (M)	N/A
intensive grazing (A04.01)	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)
Outdoor sports and leisure activities, recreational activities (G01)	medium importance (M)	N/A
Other human intrusions and disturbances (G05)	medium importance (M)	N/A
Roads, paths and railroads (D01)	medium importance (M)	N/A
collection of animals (insects, reptiles, amphibians.....) (F03.02.01)	low importance (L)	N/A
off-road motorized driving (G01.03.02)	medium importance (M)	N/A
intensive grazing (A04.01)	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	
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)		()		

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

2. Biogeographical Or Marine Level

2.1 Biogeographical Region	**Alpine (ALP)**
2.2 Published sources	The present species assessment (fields 0.1-2.9) has been compiled by Anna Rita Di Cerbo, Francesco Ficetola, Roberto Sindaco (Societas Herpetologica Italica). Information, unpublished data and experts' judgments have been provided by Anna Rita Di Cerbo, Francesco Ficetola, Roberto Sindaco. Ferri V., Marconi M., 2006. Vipera ursinii (Bonaparte, 1835). In: Atlante degli Anfibi e dei Rettili d'Italia / Atlas of Italians Amphibians and Reptiles. Sindaco R., Doria G., Razzetti E. & Bernini F. (Eds), p. 278-283. Societas Herpetologica Italica. Edizioni Polistampa, Firenze. Filippi E., Capula M., Luiselli L., Rugiero L., 2011. Vipera ursinii (Bonaparte, 1835). In: Fauna d'Italia, vol. XLV Reptilia. A cura di Corti C., Capula M., Luiselli L., Razzetti E., Sindaco R., p. 623-627. Edizioni Calderini de Il Sole 24 ORE, Bologna. Rondinini, C., Battistoni, A., Peronace, V., Teofili, C. (compilatori). 2013. Lista Rossa IUCN dei Vertebrati Italiani. Comitato Italiano IUCN e Ministero dell'Ambiente, del Territorio e del Mare, Roma.

2.3 Range

2.3.1 Surface area - Range (km²)	2000	
2.3.2 Method - Range surface area	Complete survey/Complete survey or a statistically robust estimate (3)	
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 (km²)	
	operator	approximately equal to (≈)
	unkown	No
	method	Expert judgement
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	11	max	11
2.4.3 Additional information	Definition of locality			
	Conversion method			
	Problems			
2.4.4 Year or period	2000-2012			
2.4.5 Method – population size	Complete survey/Complete survey or a statistically robust estimate (3)			
2.4.6 Short-term trend period	2001-2012			
2.4.7 Short term trend direction	stable (0)			

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

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 judgement	
2.4.15 Reason for change	Improved knowledge/more accurate data		

2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km²)	
2.5.2 Year or period	2000-2012
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	Intensive pasture, elimination of the grass on which its preys feed and human recreational activity in the habitat affect populations. Roads and patch cause death of moving individuals due to collision with vechicles.
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 (km²)	
2.5.10 Reason for change	Improved knowledge/more accurate data

2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
Outdoor sports and leisure activities, recreational activities (G01)	medium importance (M)	N/A
Other human intrusions and disturbances (G05)	medium importance (M)	N/A
Roads, paths and railroads (D01)	medium importance (M)	N/A
collection of animals (insects, reptiles, amphibians.....) (F03.02.01)	low importance (L)	N/A
off-road motorized driving (G01.03.02)	medium importance (M)	N/A
intensive grazing (A04.01)	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)
Outdoor sports and leisure activities, recreational activities (G01)	medium importance (M)	N/A
Other human intrusions and disturbances (G05)	medium importance (M)	N/A
Roads, paths and railroads (D01)	medium importance (M)	N/A
collection of animals (insects, reptiles, amphibians.....) (F03.02.01)	low importance (L)	N/A

off-road motorized driving (G01.03.02)	medium importance (M)	N/A
intensive grazing (A04.01)	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	
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)		()		