| 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
Complete survey/Complete survey or a statistically robust estimate (3)
1.1.3 Year or period
2000-2012
No
1.1.4 Additional 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 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 Information, unpublished data and experts' judgments have been provided by Anna Rita Di Cerbo, Francesco Ficetola, Roberto Sindaco.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 II 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)
2.3.2 Method - Range surface area
2.3.3 Short-term trend period
2.3.4 Short-term trend direction
2.3.5 Short-term trend magnitude
2.3.6 Long-term trend period
2.3.7 Long-term trend direction
2.3.8 Long-term trend magnitude
2.3.9 Favourable reference range

1600

Complete survey/Complete survey or a statistically robust estimate (3)

2001-2012 stable (0)

min max

N/A

min max

area (km²)

operator approximately equal to (≈)

unkown No

method Expert judgement

2.3.10 Reason for change Use of different method

11/04/2014 13.48.32 Page 1 of 9

| 2.4 Population   |  |
|--|--|
| 2.4.1 Population size  | Unit N/A   |
| (individuals or agreed exception)  | min max  |
| 2.4.2 Population size  | Unit number of map 10x10 km grid cells (grids10x10)                            |
| (other than individuals)   | min 9 max 9  |
| 2.4.3 Additional information   | Definition of locality   |
|  | Conversion method  |
|  | Problems   |
| 2.4.4 Voor or period   | 2000-2012  |
| <ul><li>2.4.4 Year or period</li><li>2.4.5 Method – population size</li></ul>                  | 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 number   |
| 2.4.14 Favourable reference population   | operator more than (>)   |
| population   | unknown No   |
|  | method Expert judgement  |
| 2.4.15 Reason for change   | Improved knowledge/more accurate data  |
|  | improved knowledge/more accurate data  |
| 2.5 Habitat for the Species  |  |
| 2.5.1 Surface area - Habitat (km²)   | 2000 2012  |
| 2.5.2 Year or period 2.5.3 Method used - habitat   | 2000-2012<br>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   | NI/A   |
| <ul><li>2.5.8 Long term trend direction</li><li>2.5.9 Area of suitable habitat (km²)</li></ul> | N/A  |
| 2.5.10 Reason for change   | Improved knowledge/more accurate data  |
| LIGITO HEADON FOR CHANGE   | mploted knowledge, more decarate data  |

2.6 Main Pressures

11/04/2014 13.48.32 Page 2 of 9

| 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

| ranking               | pollution qualifier(s)   |
|-----------------------|--|
| medium importance (M) | N/A  |
| medium importance (M) | N/A  |
| medium importance (M) | N/A  |
| low importance (L)    | N/A  |
| medium importance (M) | N/A  |
| medium importance (M) | N/A  |
|                       | medium importance (M)  medium importance (M)  medium importance (M)  low importance (L)  medium importance (M) |

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

assessment Inadequate (U1)

qualifiers declining (-)

assessment Favourable (FV)

qualifiers N/A

assessment Inadequate (U1)

qualifiers declining (-)

Inadequate (U1)

declining (-)

2.9.2. Population 2.9.3. Habitat 2.9.4. Future prospects 2.9.5 Overall assessment of **Conservation Status** 2.9.5 Overall trend in **Conservation Status** 

### 3. Natura 2000 coverage and conservation measures - Annex II species

#### 3.1 Population

11/04/2014 13.48.32 Page 3 of 9

3.1.1 Population Size

Unit N/A

min max

3.1.2 Method used

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

implemented (1.2)2. Biogeographical Or Marine Level

#### 2.1 Biogeographical Region

Measures needed, but not

#### 2.2 Published sources

#### Continental (CON)

()

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 (km<sup>2</sup>)

2.3.2 Method - Range surface area

2.3.3 Short-term trend period

2.3.4 Short-term trend direction

2.3.5 Short-term trend magnitude

2.3.6 Long-term trend period

2.3.7 Long-term trend direction

2.3.8 Long-term trend magnitude

2.3.9 Favourable reference range

1900

Complete survey/Complete survey or a statistically robust estimate (3)

2001-2012 stable (0)

min max

N/A

min max

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 Unit N/A

(individuals or agreed exception) min max

11/04/2014 13.48.32 Page 4 of 9

| 2.4.2 Population size  | Unit number of map 10x10 km grid cells (grids10x10)   |
|--|---|
| (other than individuals)   | 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)  |
| <ul><li>2.4.8 Short-term trend magnitude</li><li>2.4.9 Short-term trend method</li><li>2.4.10 Long-term trend period</li></ul>                                 | min max confidence interval Estimate based on partial data with some extrapolation and/or modelling (2)   |
| 2.4.11 Long term trend direction   | N/A   |
| 2.4.12 Long-term trend magnitude 2.4.13 Long-term trend method   | min max confidence interval N/A   |
| 2.4.14 Favourable reference  | number  |
| population   | 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  |   |
| <ul> <li>2.5.1 Surface area - Habitat (km²)</li> <li>2.5.2 Year or period</li> <li>2.5.3 Method used - habitat</li> <li>2.5.4 a) Quality of habitat</li> </ul> | 2000-2012<br>Absent data (0)<br>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   |   |

#### 2.6 Main Pressures

2.5.10 Reason for change

2.5.8 Long term trend direction

2.5.9 Area of suitable habitat (km²)

| 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                    |

Improved knowledge/more accurate data

N/A

11/04/2014 13.48.32 Page 5 of 9

| 2.6.1 Method used – pressures                                     | mainly based on ex                  | pert judgement and other o | data (2)               |
|---|-------------------------------------|----------------------------|------------------------|
| 2.7 Main Threats  |                                     |                            |                        |
| Threat  |                                     | ranking                    | pollution qualifier(s) |
| Outdoor sports and leisure activities, (G01)                      | ecreational activities              | medium importance (M)      | N/A                    |
| Other human intrusions and disturbar                              | ices (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 co                                 | nservation status at                | end of reporting period)   |                        |
| 2.9.1 Range   | assessment Favour<br>qualifiers N/A | rable (FV)                 |                        |
| 2.9.2. Population   | assessment Favour<br>qualifiers N/A | rable (FV)                 |                        |
| 2.9.3. Habitat  | assessment Favour<br>qualifiers N/A | rable (FV)                 |                        |
| 2.9.4. Future prospects   | assessment Favour<br>qualifiers N/A | rable (FV)                 |                        |
| 2.9.5 Overall assessment of Conservation Status                   | Favourable (FV)                     |                            |                        |
| 2.9.5 Overall trend in Conservation Status                        | N/A                                 |                            |                        |
| 3. Natura 2000 coverage a   | and conservatio                     | n measures - Anne          | ex II species          |
| 3.1 Population  |                                     |                            |                        |
| 3.1.1 Population Size   | Unit N/A<br>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 R                             | anking 3.2.4 Location      | 3.2.5 Broad Evaluation |
| No measure known/ impossible to carry out                         | ()                                  |                            |                        |

11/04/2014 13.48.32 Page 6 of 9

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 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)

2.3.2 Method - Range surface area

2.3.3 Short-term trend period

2.3.4 Short-term trend direction

2.3.5 Short-term trend magnitude

2.3.6 Long-term trend period

2.3.7 Long-term trend direction

2.3.8 Long-term trend magnitude

2.3.9 Favourable reference range

2000

Complete survey/Complete survey or a statistically robust estimate (3)

2001-2012 stable (0)

min max

N/A

min max

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 period2.4.7 Short term trend direction

2001-2012 stable (0)

13.48.32

11/04/2014

Page 7 of 9

| ii, iv alid v species (Alii  | iex bj                          |  |   |
|--|---------------------------------|--|---|
| <ul><li>2.4.8 Short-term trend magnitude</li><li>2.4.9 Short-term trend method</li><li>2.4.10 Long-term trend period</li></ul>                                 | min<br>Estimate b               | max<br>ased on partial data with so                | confidence interval ome extrapolation and/or modelling (2)  |
| 2.4.11 Long term trend direction 2.4.12 Long-term trend magnitude 2.4.13 Long-term trend method 2.4.14 Favourable reference                                    | N/A<br>min<br>N/A<br>number     | max  | confidence interval   |
| population   | operator<br>unknown<br>method   | approximately equal to (<br>No<br>Expert judgement | ≈)  |
| 2.4.15 Reason for change   | Improved l                      | knowledge/more accurate o                          | data  |
| 2.5 Habitat for the Species  |                                 |  |   |
| <ul> <li>2.5.1 Surface area - Habitat (km²)</li> <li>2.5.2 Year or period</li> <li>2.5.3 Method used - habitat</li> <li>2.5.4 a) Quality of habitat</li> </ul> | 2000-2012<br>Absent dat<br>Good |  |   |
| 2.5.4 b) Quality of habitat - method   | recreation                      | •  | grass on which its preys feed and human ect populations. Roads and patch cause ollision with vechicles. |
| <ul><li>2.5.5 Short term trend period</li><li>2.5.6 Short term trend direction</li><li>2.5.7 Long-term trend period</li></ul>                                  | 2001-2012<br>stable (0)         | 2  |   |
| 2.5.8 Long term trend direction 2.5.9 Area of suitable habitat (km²)   | N/A                             |  |   |
| 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 e                      | expert judgement and other data | a (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                    |

11/04/2014 13.48.32 Page 8 of 9

medium importance (M)

N/A

off-road motorized driving (G01.03.02)

| 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 cor              | nservation 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

| 2.4 Dec. Julius   |            |             |          |         |                |                        |
|---|------------|-------------|----------|---------|----------------|------------------------|
| 3.1 Population  |            |             |          |         |                |                        |
| 3.1.1 Population Size   |            | Unit<br>min | N/A      | max     |                |                        |
| 3.1.2 Method used   |            | Absent      | data (0) |         |                |                        |
| 3.1.3 Trend of population size within                                   |            | N/A         |          |         |                |                        |
| 3.2 Conversation Meas   | sures      |             |          |         |                |                        |
| 3.2.1 Measure   | 3.2.2 Type |             | 3.2.3 F  | Ranking | 3.2.4 Location | 3.2.5 Broad Evaluation |
| No measure known/<br>impossible to carry out<br>specific measures (1.3) |            |             | ()       |         |                |                        |

11/04/2014 13.48.32 Page 9 of 9