| 0.1 Member State          | Π                   |
|---------------------------|---------------------|
| 0.2.1 Species code        | 1283                |
| 0.2.2 Species name        | Coronella austriaca |
| 0.2.3 Alternative species | N/A                 |
| scientific name           |                     |
| 0.2.4 Common name         | Colubro liscio      |

#### 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 Information, unpublished data and experts' judgments have been provided by Anna Rita Di Cerbo, Francesco Ficetola, Roberto Sindaco.

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

Semenzato M., 2006. Coronella austriaca Laurenti, 1768. 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. 526-529. Societas Herpetologica Italica. Edizioni Polistampa, Firenze.

Luiselli L., Razzetti E., 2011. Coronella austriaca Laurenti, 1768. In: Fauna d'Italia, vol. XLV, Reptilia. A cura di Corti C., Capula M., Luiselli L., Razzetti E., Sindaco R., p. 473-481. Edizioni Calderini de Il Sole 24 ORE, Bologna.

#### 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

59200

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 13.24.26 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 284 max 284  |
| 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  |
| <ul><li>2.4.12 Long-term trend magnitude</li><li>2.4.13 Long-term trend method</li></ul> | 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  |  |
| 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   | Decrease of habitat mainly due to agricultural intensification, removal of suitable rifuges, urbanisation. |
| 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) |
| agricultural intensification (A02.01)                    | medium importance (M) | N/A                    |
| anthropogenic reduction of habitat connectivity (J03.02) | medium importance (M) | N/A                    |
| roads, motorways (D01.02)                                | low importance (L)    | N/A                    |
| removal of stone walls and embankments (A10.02)          | low importance (L)    | N/A                    |
| removal of hedges and copses or scrub (A10.01)           | low importance (L)    | N/A                    |
|  |                       |                        |

11/04/2014 13.24.26 Page 2 of 9

| burning down (J01.01)                                   |                     | medium importance (M)                 | N/A                    |
|---|---------------------|---------------------------------------|------------------------|
| continuous urbanisation (E01.01)                        |                     | medium importance (M)                 | N/A                    |
| · ,   |                     | · · · · · · · · · · · · · · · · · · · | ·                      |
| reduction or loss of specific habitat features (J03.01) |                     | medium importance (M)                 | N/A                    |
| 2.6.1 Method used – pressures                           | mainly based on exp | pert judgement and other data         | (2)                    |
| 2.7 Main Threats  |                     |                                       |                        |
| Threat  |                     | ranking                               | pollution qualifier(s) |
| roads, motorways (D01.02)                               |                     | low importance (L)                    | N/A                    |
| removal of stone walls and embankments (A10.02)         |                     | low importance (L)                    | N/A                    |
| anthropogenic reduction of habitat co                   | nnectivity (J03.02) | medium importance (M)                 | N/A                    |
| removal of hedges and copses or scrub (A10.01)          |                     | low importance (L)                    | N/A                    |
| agricultural intensification (A02.01)                   |                     | 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                 |                     |                                       |                        |

#### 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)<br>qualifiers N/A |
| 2.9.3. Habitat                                  | assessment Favourable (FV)<br>qualifiers N/A |
| 2.9.4. Future prospects                         | assessment Favourable (FV)<br>qualifiers N/A |
| 2.9.5 Overall assessment of Conservation Status | Favourable (FV)                              |
| 2.9.5 Overall trend in                          | N/A  |

2.8.2 Other relevant Information2.8.3 Trans-boundary assessment

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

# 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

## 2. Biogeographical Or Marine Level

2.1 Biogeographical Region Continental (CON)

11/04/2014 13.24.26 Page 3 of 9

#### 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.

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

Semenzato M., 2006. Coronella austriaca Laurenti, 1768. 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. 526-529. Societas Herpetologica Italica. Edizioni Polistampa, Firenze.

Luiselli L., Razzetti E., 2011. Coronella austriaca Laurenti, 1768. In: Fauna d'Italia, vol. XLV, Reptilia. A cura di Corti C., Capula M., Luiselli L., Razzetti E., Sindaco R., p. 473-481. Edizioni Calderini de Il Sole 24 ORE, Bologna.

#### 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

69100

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

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)

335 335 min max

2.4.3 Additional information

**Definition of locality** 

Conversion method

**Problems** 

2.4.4 Year or period

2000-2012

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

2.4.5 Method - population size

stable (0)

2.4.8 Short-term trend magnitude

min confidence interval max

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

11/04/2014 13.24.26 Page 4 of 9

2.4.12 Long-term trend magnitude min max 2.4.13 Long-term trend method N/A number 2.4.14 Favourable reference population operator approximately equal to (≈) unknown

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

2.5.3 Method used - habitat Absent data (0)

2.5.4 a) Quality of habitat

2.5.4 b) Quality of habitat - method

Decrease of habitat mainly due to agricultural intensification, removal of suitable

confidence interval

rifuges, urbanisation.

2000-2012

2001-2012

stable (0)

Good

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 (km²)

2.5.10 Reason for change

N/A

Improved knowledge/more accurate data

#### 2.6 Main Pressures

| Pressure  | ranking               | pollution qualifier(s) |
|---|-----------------------|------------------------|
| removal of hedges and copses or scrub (A10.01)          | low importance (L)    | N/A                    |
| Forest and Plantation management & use (B02)            | medium importance (M) | N/A                    |
| agricultural intensification (A02.01)                   | medium importance (M) | N/A                    |
| burning down (J01.01)                                   | low importance (L)    | N/A                    |
| removal of stone walls and embankments (A10.02)         | low importance (L)    | N/A                    |
| reduction or loss of specific habitat features (J03.01) | low importance (L)    | 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) |
|--|--------------------|------------------------|
| removal of hedges and copses or scrub (A10.01) | low importance (L) | N/A                    |
| forestry clearance (B02.02)                    | low importance (L) | 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)

qualifiers N/A

assessment Favourable (FV) 2.9.1 Range

> 13.24.26 11/04/2014 Page 5 of 9

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

assessment Favourable (FV)

qualifiers N/A

assessment Favourable (FV)

qualifiers N/A

assessment Favourable (FV)

qualifiers N/A

Favourable (FV)

N/A

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

max

#### 3.1 Population

3.1.1 Population Size

Unit N/A

min

3.1.2 Method used

N/A

3.1.3 Trend of population size within

N/A

#### 3.2 Conversation Measures

### 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.

Luiselli L., Razzetti E., 2011. Coronella austriaca Laurenti, 1768. In: Fauna d'Italia, vol. XLV, Reptilia. A cura di Corti C., Capula M., Luiselli L., Razzetti E., Sindaco R., p. 473-481. 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

Semenzato M., 2006. Coronella austriaca Laurenti, 1768. 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. 526-529. Societas Herpetologica Italica. Edizioni Polistampa, Firenze.

#### 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

52300

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

2001-2012

stable (0)

min max

11/04/2014 13.24.26 Page 6 of 9

| in it and t species (Aimex b)   |   |  |   |  |  |
|---|---|--|---|--|--|
| <ul><li>2.3.7 Long-term trend direction</li><li>2.3.8 Long-term trend magnitude</li><li>2.3.9 Favourable reference range</li></ul>                                    | N/A min area (km²) operator unkown method Use of different metl | max  approximately equal  No  Expert judgement | to (≈)  |  |  |
| 2.3.10 Reason for change  | use of different meti   | 100  |   |  |  |
| 2.4 Population  |   |  |   |  |  |
| 2.4.1 Population size (individuals or agreed exception)   | Unit N/A<br>min   | max  |   |  |  |
| 2.4.2 Population size (other than individuals)  | Unit number of r<br>min 269                                     | map 10x10 km grid cell<br>max 269              | s (grids10x10)  |  |  |
| 2.4.3 Additional information  | Definition of locality Conversion method Problems               |  |   |  |  |
| <ul><li>2.4.4 Year or period</li><li>2.4.5 Method – population size</li><li>2.4.6 Short-term trend period</li><li>2.4.7 Short term trend direction</li></ul>          | 2000-2012<br>Complete survey/Cor<br>2001-2012<br>stable (0)     | mplete survey or a stat                        | istically robust estimate (3)                         |  |  |
| 2.4.9 Short-term trend magnitude 2.4.9 Short-term trend method 2.4.10 Long-term trend period  | ·   | max<br>artial data with some e                 | confidence interval xtrapolation and/or modelling (2) |  |  |
| <ul><li>2.4.11 Long term trend direction</li><li>2.4.12 Long-term trend magnitude</li><li>2.4.13 Long-term trend method</li><li>2.4.14 Favourable reference</li></ul> | N/A<br>min<br>N/A<br>number                                     | max  | confidence interval                                   |  |  |
| population  | operator approxii<br>unknown No                                 | mately equal to (≈)                            |   |  |  |
| 2.4.45 December for about   |   | udgement                                       |   |  |  |
| 2.4.15 Reason for change  | Improved knowledge  | /more accurate data                            |   |  |  |
| <ul><li>2.5 Habitat for the Species</li><li>2.5.1 Surface area - Habitat (km²)</li></ul>  |   |  |   |  |  |
| <ul><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  | Decrease of habitat removal of suitable r                       | ,  | ral intensification, reforestation,                   |  |  |
| <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)   |  |   |  |  |
| 2.5.8 Long term trend direction   | N/A   |  |   |  |  |

2.6 Main Pressures

2.5.10 Reason for change

2.5.9 Area of suitable habitat (km²)

11/04/2014 13.24.26 Page 7 of 9

Improved knowledge/more accurate data

| Pressure  | ranking               | pollution qualifier(s) |
|---|-----------------------|------------------------|
| removal of stone walls and embankments (A10.02)         | medium importance (M) | N/A                    |
| removal of hedges and copses or scrub (A10.01)          | low importance (L)    | N/A                    |
| forest replanting (B02.01)                              | low importance (L)    | N/A                    |
| agricultural intensification (A02.01)                   | low importance (L)    | N/A                    |
| reduction or loss of specific habitat features (J03.01) | medium importance (M) | N/A                    |
| Roads, paths and railroads (D01)                        | low importance (L)    | 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) |
|---|-----------------------|------------------------|
| removal of stone walls and embankments (A10.02)         | medium importance (M) | N/A                    |
| removal of hedges and copses or scrub (A10.01)          | low importance (L)    | N/A                    |
| agricultural intensification (A02.01)                   | medium importance (M) | N/A                    |
| reduction or loss of specific habitat features (J03.01) | medium importance (M) | N/A                    |
| roads, motorways (D01.02)                               | low importance (L)    | 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

Favourable (FV)

2.9.5 Overall assessment of

**Conservation Status** 

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 N/A

3.1.3 Trend of population size within N/A

> 13.24.26 11/04/2014 Page 8 of 9

**3.2 Conversation Measures** 

11/04/2014 13.24.27 Page 9 of 9