

# Report on the main results of the surveillance under article 17 for annex I habitat types (Annex D)

CODE: 91AA

NAME: Eastern white oak woods

## 1. National Level

### 1.1 Maps

1.1.1 Distribution Map

Yes

1.1.2 Distribution Method

Estimate based on partial data with some extrapolation and/or modelling (2)

1.1.3 Year or period

2005-2012

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

The present Habitat assessment (fields 0.1-3.1) has been compiled by Pierangela Angelini (ISPRA). Published and unpublished data, information and experts' judgments have been provided by Edoardo Biondi, Liliana Zivkovic and Giovanni Spampinato (SBI), Pietro Massimiliano Bianco and Pierangela Angelini (ISPRA, field 2.7.1).

"Angelini P., Augello R., Bianco P.M., Gennaio R., La Ghezza V., Lavarra P., Marrese M., Papallo O., Perrino V. M., Sani R., M. Stelluti. 2012. Carta degli habitat della Regione Puglia per il sistema informativo di Carta della Natura alla scala 1:50.000. ISPRA - Arpa Puglia Bianco P.M., Laureti L., Papallo O., Perfetti D. 2012 Carta degli habitat della Regione Umbria per il sistema informativo di Carta della Natura alla scala 1:50.000. ISPRA Biondi E, Blasi C, Burrascano S, Casavecchia S, Copiz R, Del Vico E, Galdenzi D, Gigante D, Lasen C, Spampinato G, Venanzoni R, Zivkovic L (2009a) Italian interpretation Manual of the habitats (92/43/EEC Directive). Ministero dell'Ambiente e della Tutela del Territorio e del Mare. <http://vnr.unipg.it/habitat/> Blasi et al., 2010. La Vegetazione d'Italia con Carta delle Serie di Vegetazione in scala 1:500000. Palombi ed., Camarda I., Carta L., Brunu A., Brundu G., Laureti L., Angelini P., Bagnaia R., 2011. Carta degli habitat della Regione Sardegna per il sistema informativo di Carta della Natura alla scala 1:50.000. Dipartimento di Scienze Botaniche Ecologiche e Geologiche dell'Università degli Studi di Sassari - ISPRA - Regione Sardegna Casella L., Agrillo E., Bianco P.M., Cardillo A., Carbone M., Cattena C., Laureti L., Lugari A., Spada F., 2008. Carta degli habitat della Regione Lazio per il sistema informativo di Carta della Natura alla scala 1:50.000. ISPRA - Università degli Studi di Roma "La Sapienza" - Regione Lazio ISPRA, 2011. Dati del sistema informativo di Carta della Natura alla scala 1:50.000. ISPRA, Corine land cover 2006 IV livello. Dati della Rete del sistema Informativo Nazionale Ambientale - SINAnet ISPRA, 2005. Dati del sistema informativo di Carta della Natura alla scala 1:50.000. Papini F., Gianguzzi L., Brullo S., Bianco P. M., Angelini P., 2006. Carta degli habitat della Regione Sicilia per il sistema informativo di Carta della Natura alla scala 1:50.000. Dipartimento di Scienze Botaniche dell'Università degli Studi di Palermo - Dipartimento di Botanica dell'Università degli Studi di Catania - Regione Sicilia - ISPRA

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## 2.3 Range of the habitat type in the biogeographical region or marine region

|   |   |
|---|---|
| 2.3.1 Surface area - Range (km <sup>2</sup> ) | 133000  |
| 2.3.2 Range method used                       | Estimate based on partial data with some extrapolation and/or modelling (2) |
| 2.3.3 Short-term trend period                 | 2001-2012   |
| 2.3.4 Short-term trend direction              | decrease (-)  |
| 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> )<br>operator more than (>)<br>unknown No<br>method   |
| 2.3.10 Reason for change                      | Improved knowledge/more accurate data Use of different method               |

## 2.4 Area covered by Habitat

|                                       |   |
|---------------------------------------|---|
| 2.4.1 Surface area (km <sup>2</sup> ) | 6367,65   |
| 2.4.2 Year or period                  | 2005-2012   |
| 2.4.3 Method used                     | Estimate based on partial data with some extrapolation and/or modelling (2) |
| 2.4.4 Short-term trend period         | 2001-2012   |
| 2.4.5 Short-term trend direction      | decrease (-)  |
| 2.4.6 Short-term trend magnitude      | min max   |
| 2.4.7 Short term trend method used    | Estimate based on expert opinion with no or minimal sampling (1)            |
| 2.4.8 Long-term trend period          |   |
| 2.4.9 Long-term trend direction       | N/A   |
| 2.4.10 Long-term trend magnitude      | min max   |
| 2.4.11 Long term trend method used    | N/A   |
| 2.4.12 Favourable reference area      | area (km)<br>operator more than (>)<br>unknown No<br>method                 |
| 2.4.13 Reason for change              | Improved knowledge/more accurate data Use of different method               |

## 2.5 Main Pressures

| Pressure   | ranking               | pollution qualifier(s) |
|--|-----------------------|------------------------|
| roads, motorways (D01.02)  | medium importance (M) | N/A                    |
| burning down (J01.01)  | high importance (H)   | N/A                    |
| motorised vehicles (G01.03)                                      | medium importance (M) | N/A                    |
| removal of forest undergrowth (B02.03)                           | medium importance (M) | N/A                    |
| dispersed habitation (E01.03)                                    | low importance (L)    | N/A                    |
| artificial planting on open ground (non-native trees) (B01.02)   | medium importance (M) | N/A                    |
| forest exploitation without replanting or natural regrowth (B03) | high importance (H)   | N/A                    |
| forest replanting (B02.01)                                       | medium importance (M) | N/A                    |
| forestry clearance (B02.02)                                      | medium importance (M) | N/A                    |
| grazing (A04)  | high importance (H)   | N/A                    |

# Report on the main results of the surveillance under article 17 for annex I habitat types (Annex D)

## 2.5.1 Method used – pressures

mainly based on expert judgement and other data (2)

## 2.6 Main Threats

| Threat   | ranking               | pollution qualifier(s) |
|--|-----------------------|------------------------|
| roads, motorways (D01.02)  | medium importance (M) | N/A                    |
| burning down (J01.01)  | high importance (H)   | N/A                    |
| motorised vehicles (G01.03)                                      | medium importance (M) | N/A                    |
| removal of forest undergrowth (B02.03)                           | medium importance (M) | N/A                    |
| dispersed habitation (E01.03)                                    | low importance (L)    | N/A                    |
| artificial planting on open ground (non-native trees) (B01.02)   | medium importance (M) | N/A                    |
| forest exploitation without replanting or natural regrowth (B03) | high importance (H)   | N/A                    |
| forest replanting (B02.01)                                       | medium importance (M) | N/A                    |
| forestry clearance (B02.02)                                      | medium importance (M) | N/A                    |
| grazing (A04)  | high importance (H)   | N/A                    |

## 2.6.1 Method used – threats

expert opinion (1)

## 2.7 Complementary Information

### 2.7.1 Species

*Quercus pubescens*

*Quercus dalechampii*

*Quercus ichnusae*

*Quercus virgiliana*

*Quercus congesta*

*Fraxinus ornus*

*Carpinus betulus*

*Carpinus orientalis*

*Ostrya carpinifolia*

*Coronilla emerus*

*Anthericum ramosum*

*Cornus sanguinea*

*Asparagus acutifolius*

*Crataegus monogyna*

*Dictamnus albus*

*Geranium robertianum*

*Geranium sanguineum*

*Rubia peregrina*

*Smilax aspera*

*Viola alba* subsp. *Dehnhardtii*

# Report on the main results of the surveillance under article 17 for annex I habitat types (Annex D)

2.7.2 Species method used Selected by ISPRA's expert from bibliographical and field research

2.7.3 Justification of % - thresholds for trends

2.7.4 Structure and functions - methods used Estimate based on expert opinion with no or minimal sampling (1)

2.7.5 Other relevant information

## 2.8 Conclusions (assessment of conservation status at end of reporting period)

2.8.1 Range assessment Inadequate (U1)  
qualifiers N/A

2.8.2 Area assessment Inadequate (U1)  
qualifiers N/A

2.8.3 Specific structures and functions (incl Species) assessment Bad (U2)  
qualifiers N/A

2.8.4 Future prospects assessment Inadequate (U1)  
qualifiers N/A

2.8.5 Overall assessment of Conservation Status Bad (U2)

2.8.5 Overall trend in Conservation Status unknown (x)

## 3. Natura 2000 coverage conservation measures - Annex I habitat types on biogeographical level

### 3.1 Area covered by habitat

3.1.1 Surface area (km<sup>2</sup>) min 386,2618 max 386,2618

3.1.2 Method used Complete survey/Complete survey or a statistically robust estimate (3)

3.1.3. Trend of surface area 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     |
|--|----------------------------|-----------------------|----------------|----------------------------|
| Other forestry-related measures (3.0)          | Recurrent                  | high importance (H)   | Both           | Maintain Long term         |
| Adapt forest management (3.2)                  | Administrative Contractual | medium importance (M) | Both           | Maintain Long term Unknown |
| Other spatial measures (6.0)                   | Administrative             | medium importance (M) | Inside         | Maintain Long term         |
| Establish protected areas/sites (6.1)          | Administrative             | medium importance (M) | Both           | Maintain Long term         |
| Legal protection of habitats and species (6.3) | Administrative             | medium importance (M) | Both           | Maintain Long term         |

2.1 Biogeographical Region

2.2 Published

### Continental (CON)

The present Habitat assessment (fields 0.1-3.1) has been compiled by Pierangela Angelini (ISPRA). Published and unpublished data, information and experts' judgments have been provided by Edoardo Biondi and Liliana Zivkovic(SBI), Pietro Massimiliano Bianco and Pierangela Angelini (ISPRA, field 2.7.1). "Bianco P.M., Laureti L., Papallo O. , Perfetti D. 2012 Carta degli habitat della

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Regione Umbria per il sistema informativo di Carta della Natura alla scala 1:50.000. ISPRA Biondi E, Blasi C, Burrascano S, Casavecchia S, Copiz R, Del Vico E, Galdenzi D, Gigante D, Lasen C, Spampinato G, Venanzoni R, Zivkovic L (2009a) Italian interpretation Manual of the habitats (92/43/EEC Directive). Ministero dell'Ambiente e della Tutela del Territorio e del Mare.

[Http://vnr.unipg.it/habitat/](http://vnr.unipg.it/habitat/) Blasi et al., 2010. La Vegetazione d'Italia con Carta delle Serie di Vegetazione in scala 1:500000. Palombi ed., Brentan D., Burbello A., Avanzi E., Gasparini S., Laureti L., Bianco P.M., 2008. Carta degli habitat della regione Veneto per il sistema informativo di Carta della Natura alla scala 1:50.000. ISPRA - Arpa Veneto. [Http://www.isprambiente.gov.it/site/it-IT/Servizi\\_per\\_l%27Ambiente/Sistema\\_Carta\\_della\\_Natura](http://www.isprambiente.gov.it/site/it-IT/Servizi_per_l%27Ambiente/Sistema_Carta_della_Natura) Tomasella L., Agrillo E., Bianco P.M., Cardillo A., Carbone M., Cattena C., Laureti L., Lugari A., Spada F., 2008. Carta degli habitat della Regione Lazio per il sistema informativo di Carta della Natura alla scala 1:50.000. ISPRA - Università degli Studi di Roma "La Sapienza" - Regione Lazio

ISPRA, 2011. Dati del sistema informativo di Carta della Natura alla scala 1:50.000. ISPRA, Corine land cover 2006 IV livello. Dati della Rete del sistema Informativo Nazionale Ambientale - SINAnet

D'riolo G., Dragan M., Ferneti M., Francescato C., Tomasella M., Giorgi R. 2007. Carta degli habitat della regione Friuli Venezia Giulia per il sistema informativo di Carta della Natura alla scala 1:50.000. ISPRA-Regione Friuli Venezia Giulia.

[Http://www.isprambiente.gov.it/site/it-IT/Servizi\\_per\\_l%27Ambiente/Sistema\\_Carta\\_della\\_Natura](http://www.isprambiente.gov.it/site/it-IT/Servizi_per_l%27Ambiente/Sistema_Carta_della_Natura) Besaresi S, Biondi E, Casavecchia S, Catorci A, Foglia M., 2007. Il Geodatabase del Sistema Informativo Vegetazionale delle Marche. Fitosociol 44 (2) suppl. 1: 95-101

<http://www.ortobotanico.univpm.it/cartography>. PIANO DI GESTIONE del SIC-zps IT4070002 "BARDELLO". Rapporto tecnico non pubblicato.

## 2.3 Range of the habitat type in the biogeographical region or marine region

|   |  |
|---|--|
| 2.3.1 Surface area - Range (km <sup>2</sup> ) | 39900  |
| 2.3.2 Range method used                       | Estimate based on partial data with some extrapolation and/or modelling (2)            |
| 2.3.3 Short-term trend period                 | 2001-2012  |
| 2.3.4 Short-term trend direction              | increase (+)   |
| 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> )<br>operator approximately equal to (≈)<br>unknown No<br>method |
| 2.3.10 Reason for change                      | Improved knowledge/more accurate data Use of different method                          |

## 2.4 Area covered by Habitat

|                                       |   |
|---------------------------------------|---|
| 2.4.1 Surface area (km <sup>2</sup> ) | 2567,8  |
| 2.4.2 Year or period                  | 2005-2012   |
| 2.4.3 Method used                     | Estimate based on partial data with some extrapolation and/or modelling (2) |
| 2.4.4 Short-term trend period         | 2001-2012   |
| 2.4.5 Short-term trend direction      | increase (+)  |
| 2.4.6 Short-term trend magnitude      | min max   |

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|                                    |  |               |
|------------------------------------|--|---------------|
| 2.4.7 Short term trend method used | Estimate based on expert opinion with no or minimal sampling (1) |               |
| 2.4.8 Long-term trend period       |  |               |
| 2.4.9 Long-term trend direction    | N/A  |               |
| 2.4.10 Long-term trend magnitude   | min  | max           |
| 2.4.11 Long term trend method used | N/A  |               |
| 2.4.12 Favourable reference area   | area (km)  |               |
|                                    | operator   | more than (>) |
|                                    | unknown  | No            |
|                                    | method   |               |
| 2.4.13 Reason for change           | Improved knowledge/more accurate data Use of different method    |               |

## 2.5 Main Pressures

| Pressure   | ranking               | pollution qualifier(s) |
|--|-----------------------|------------------------|
| roads, motorways (D01.02)                                      | low importance (L)    | N/A                    |
| artificial planting on open ground (non-native trees) (B01.02) | medium importance (M) | N/A                    |
| electricity and phone lines (D02.01)                           | low importance (L)    | N/A                    |
| burning down (J01.01)  | medium importance (M) | N/A                    |

2.5.1 Method used – pressures mainly based on expert judgement and other data (2)

## 2.6 Main Threats

| Threat   | ranking               | pollution qualifier(s) |
|--|-----------------------|------------------------|
| roads, motorways (D01.02)                                      | low importance (L)    | N/A                    |
| artificial planting on open ground (non-native trees) (B01.02) | medium importance (M) | N/A                    |
| electricity and phone lines (D02.01)                           | low importance (L)    | N/A                    |
| burning down (J01.01)  | medium importance (M) | N/A                    |

2.6.1 Method used – threats expert opinion (1)

## 2.7 Complementary Information

### 2.7.1 Species

Quercus pubescens

Fraxinus ornus

Carpinus orientalis

Carpinus betulus

Ostrya carpinifolia

Cytisus sessilifolius

Coronilla emerus

Asparagus acutifolius

Anthericum ramosum

Cornus sanguinea

Crataegus monogyna

Geranium sanguineum

Dictamnus albus

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Ligustrum vulgare

Rosa sempervirens

Smilax aspera

Rubia peregrina

Viola alba subsp. Dehnhardtii

Osyris alba

## 2.7.2 Species method used

Selected by ISPRA's expert from bibliographical and field research

## 2.7.3 Justification of % - thresholds for trends

## 2.7.4 Structure and functions - methods used

Estimate based on expert opinion with no or minimal sampling (1)

## 2.7.5 Other relevant information

In Veneto la distribuzione dei querceti di roverella è compatibile in parte con la componente termofila/mediterranea (ad esempio i Colli Euganei) da riferire a questo codice. Nei Colli Berici e verosimilmente anche nelle colline moreniche del Garda, il carattere mediterraneo è molto meno marcato ed è possibile il riferimento a 91H0 (spesso per motivi edafici). In diverse situazioni, quindi, resta possibile il riferimento ad entrambi i tipi di habitat.

## 2.8 Conclusions (assessment of conservation status at end of reporting period)

### 2.8.1 Range

assessment Favourable (FV)  
qualifiers N/A

### 2.8.2 Area

assessment Inadequate (U1)  
qualifiers N/A

### 2.8.3 Specific structures and functions (incl Species)

assessment Bad (U2)  
qualifiers N/A

### 2.8.4 Future prospects

assessment Inadequate (U1)  
qualifiers N/A

### 2.8.5 Overall assessment of Conservation Status

Bad (U2)

### 2.8.5 Overall trend in Conservation Status

unknown (x)

## 3. Natura 2000 coverage conservation measures - Annex I habitat types on biogeographical level

### 3.1 Area covered by habitat

#### 3.1.1 Surface area (km<sup>2</sup>)

min 92,0234 max 92,0234

#### 3.1.2 Method used

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

#### 3.1.3. Trend of surface area

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

Other forestry-related measures (3.0)

Recurrent

high importance (H)

Both

Maintain Long term

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|  |   |                        |      |                       |
|--|---|------------------------|------|-----------------------|
| Adapt forest management (3.2)                  | Legal<br>Administrative<br>Contractual<br>Recurrent | high importance<br>(H) | Both | Maintain<br>Long term |
| Establish protected areas/sites (6.1)          | Legal<br>Administrative                             | high importance<br>(H) | Both | Maintain<br>Long term |
| Legal protection of habitats and species (6.3) | Legal<br>Administrative                             | high importance<br>(H) | Both | Maintain<br>Long term |
| Manage landscape features (6.4)                | Legal   | high importance<br>(H) | Both | Long term             |

## 2.1 Biogeographical Region

## 2.2 Published

### Alpine (ALP)

The present Habitat assessment (fields 0.1-3.1) has been compiled by Pierangela Angelini (ISPRA). Published and unpublished data, information and experts' judgments have been provided by Edoardo Biondi, Liliana Zivkovic and Cesare Lasen(SBI), Pietro Massimiliano Bianco and Pierangela Angelini (ISPRA, field 2.7.1).

"Blasi C., Filesi L., Pirone G., Canini L., Carranza M.L., Fiorini S., Michetti L., Paolanti M., Riviaccio R., Tartaglini N., 1999 - Realizzazione degli studi preliminari e dell'elaborato tecnico del Piano del Parco e del Regolamento. Ente Parco Nazionale della Majella. Brentan D., Burbello A., Avanzi E., Gasparini S., Laureti L., Bianco P.M., 2008. Carta degli habitat della regione Veneto per il sistema informativo di Carta della Natura alla scala 1:50.000. ISPRA - Arpa Veneto. [http://www.isprambiente.gov.it/site/it-IT/Servizi\\_per\\_l'Ambiente/Sistema\\_Carta\\_della\\_Natura](http://www.isprambiente.gov.it/site/it-IT/Servizi_per_l'Ambiente/Sistema_Carta_della_Natura)

Biondi E, Blasi C, Burrascano S, Casavecchia S, Copiz R, Del Vico E, Galdenzi D, Gigante D, Lasen C, Spampinato G, Venanzoni R, Zivkovic L (2009a) Italian interpretation Manual of the habitats (92/43/EEC Directive). Ministero dell'Ambiente e della Tutela del Territorio e del Mare. <http://vnr.unipg.it/habitat/> Blasi et al., 2010. La Vegetazione d'Italia con Carta delle Serie di Vegetazione in scala 1:500000. Palombi ed., Casella L., Agrillo E., Bianco P.M., Cardillo A., Carbone M., Cattena C., Laureti L., Lugari A., Spada F., 2008. Carta degli habitat della Regione Lazio per il sistema informativo di Carta della Natura alla scala 1:50.000. ISPRA - Università degli Studi di Roma "La Sapienza" - Regione Lazio ISPRA, 2011. Dati del sistema informativo di Carta della Natura alla scala 1:50.000. ISPRA, Corine land cover 2006 IV livello. Dati della Rete del sistema Informativo Nazionale Ambientale - SINAnet Oriolo G., Dragan M., Ferneti M., Francescato C., Tomasella M., Giorgi R. 2007. Carta degli habitat della regione Friuli Venezia Giulia per il sistema informativo di Carta della Natura alla scala 1:50.000. ISPRA-Regione Friuli Venezia Giulia. [Http://www.isprambiente.gov.it/site/it-IT/Servizi\\_per\\_l'Ambiente/Sistema\\_Carta\\_della\\_Natura](http://www.isprambiente.gov.it/site/it-IT/Servizi_per_l'Ambiente/Sistema_Carta_della_Natura)



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## 2.3 Range of the habitat type in the biogeographical region or marine region

|   |   |
|---|---|
| 2.3.1 Surface area - Range (km <sup>2</sup> ) | 7600  |
| 2.3.2 Range method used                       | Estimate based on partial data with some extrapolation and/or modelling (2) |
| 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> )<br>operator N/A<br>unknown Yes<br>method            |
| 2.3.10 Reason for change                      | Improved knowledge/more accurate data Use of different method               |

## 2.4 Area covered by Habitat

|                                       |   |
|---------------------------------------|---|
| 2.4.1 Surface area (km <sup>2</sup> ) | 134,03  |
| 2.4.2 Year or period                  | 2005-2012   |
| 2.4.3 Method used                     | Estimate based on partial data with some extrapolation and/or modelling (2) |
| 2.4.4 Short-term trend period         | 2001-2012   |
| 2.4.5 Short-term trend direction      | unknown (x)   |
| 2.4.6 Short-term trend magnitude      | min max   |
| 2.4.7 Short term trend method used    | Estimate based on partial data with some extrapolation and/or modelling (2) |
| 2.4.8 Long-term trend period          |   |
| 2.4.9 Long-term trend direction       | N/A   |
| 2.4.10 Long-term trend magnitude      | min max   |
| 2.4.11 Long term trend method used    | N/A   |
| 2.4.12 Favourable reference area      | area (km)<br>operator N/A<br>unknown Yes<br>method                          |
| 2.4.13 Reason for change              | Improved knowledge/more accurate data Use of different method               |

## 2.5 Main Pressures

| Pressure   | ranking               | pollution qualifier(s) |
|--|-----------------------|------------------------|
| Trampling, overuse (G05.01)  | low importance (L)    | N/A                    |
| roads, motorways (D01.02)  | low importance (L)    | N/A                    |
| Outdoor sports and leisure activities, recreational activities (G01) | low importance (L)    | N/A                    |
| paths, tracks, cycling tracks (D01.01)                               | low importance (L)    | N/A                    |
| burning down (J01.01)  | medium importance (M) | N/A                    |
| discontinuous urbanisation (E01.02)                                  | low importance (L)    | N/A                    |
| Forest and Plantation management & use (B02)                         | medium importance (M) | N/A                    |
| Forestry activities not referred to above (B07)                      | medium importance (M) | N/A                    |

2.5.1 Method used – pressures mainly based on expert judgement and other data (2)

## 2.6 Main Threats

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| Threat   | ranking               | pollution qualifier(s) |
|--|-----------------------|------------------------|
| Trampling, overuse (G05.01)  | low importance (L)    | N/A                    |
| roads, motorways (D01.02)  | low importance (L)    | N/A                    |
| Outdoor sports and leisure activities, recreational activities (G01) | low importance (L)    | N/A                    |
| paths, tracks, cycling tracks (D01.01)                               | low importance (L)    | N/A                    |
| burning down (J01.01)  | medium importance (M) | N/A                    |
| discontinuous urbanisation (E01.02)                                  | low importance (L)    | N/A                    |
| Forest and Plantation management & use (B02)                         | medium importance (M) | N/A                    |
| Forestry activities not referred to above (B07)                      | medium importance (M) | N/A                    |

2.6.1 Method used – threats expert opinion (1)

## 2.7 Complementary Information

### 2.7.1 Species

Quercus pubescens

Fraxinus ornus

Carpinus orientalis

Carpinus betulus

Ostrya carpinifolia

Cytisus sessilifolius

Anthericum ramosum,

Coronilla emerus

Asparagus acutifolius

Cornus sanguinea

Dictamnus albus

Crataegus monogyna

Geranium sanguineum

Ligustrum vulgare

Smilax aspera

Rosa sempervirens

Rubia peregrina

Viola alba subsp. Dehnhardtii

Osyris alba

2.7.2 Species method used Selected by ISPRA's expert from bibliographical and field research

2.7.3 Justification of % - thresholds for trends

2.7.4 Structure and functions - methods used Estimate based on expert opinion with no or minimal sampling (1)

2.7.5 Other relevant information

# Report on the main results of the surveillance under article 17 for annex I habitat types (Annex D)

## 2.8 Conclusions (assessment of conservation status at end of reporting period)

|  |   |
|--|---|
| 2.8.1 Range  | assessment Unknown (XX)<br>qualifiers N/A |
| 2.8.2 Area   | assessment Unknown (XX)<br>qualifiers N/A |
| 2.8.3 Specific structures and functions (incl Species) | assessment Unknown (XX)<br>qualifiers N/A |
| 2.8.4 Future prospects                                 | assessment Unknown (XX)<br>qualifiers N/A |
| 2.8.5 Overall assessment of Conservation Status        | Unknown (XX)                              |
| 2.8.5 Overall trend in Conservation Status             | N/A                                       |

## 3. Natura 2000 coverage conservation measures - Annex I habitat types on biogeographical level

### 3.1 Area covered by habitat

|                                       |  |
|---------------------------------------|--|
| 3.1.1 Surface area (km <sup>2</sup> ) | min 38,8396 max 38,8396  |
| 3.1.2 Method used                     | Complete survey/Complete survey or a statistically robust estimate (3) |
| 3.1.3. Trend of surface area          | 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 |
|--|------------|---------------------|----------------|------------------------|
| Adapt forest management (3.2)                  | Legal      | high importance (H) | Both           | Long term              |
| Establish protected areas/sites (6.1)          | Legal      | high importance (H) | Inside         | Long term              |
| Legal protection of habitats and species (6.3) | Legal      | high importance (H) | Both           | Long term              |
| Manage landscape features (6.4)                | Legal      | high importance (H) | Both           | Long term              |

## Habitat code: 91AA Region code: ALP

| Field label                           | Note  | User       |
|---------------------------------------|---|------------|
| 3.1.1 a) Natura 2000 surface area min | In Piemonte i boschi di roverella restano al momento esclusi da natura 2000. In questa regione essi sono molto variabili e riconducibili a tre principali situazioni ecologiche. Intraalpini con elementi steppici (Val di Susa), potenzialmente più simili a quelli "pannonici" del cod. 91H0; delle vallate alpine meridionali su substrati calcarei e termofili e con influenze mediterranee per i quali si potrebbe ricorrere a 91AA. | ISPRA_habi |

## Habitat code: 91AA Region code: CON

| Field label                      | Note  | User       |
|----------------------------------|---|------------|
| 2.7.5 Other relevant information | In Veneto la distribuzione dei querceti di roverella è compatibile in parte con la componente termofila/mediterranea (ad esempio i Colli Euganei) da riferire a questo codice. Nei Colli Berici e verosimilmente anche nelle colline moreniche del Garda, il carattere mediterraneo è molto meno marcato ed è possibile il riferimento a 91H0 (spesso per motivi edafici). In diverse situazioni, quindi, resta possibile il riferimento ad entrambi i tipi di habitat. | ISPRA_habi |

## Habitat code: 91AA Region code: MED

| Field label        | Note   | User       |
|--------------------|--|------------|
| 2.4.1 Surface area | A questo habitat bisogna riassegnare i querceti della Liguria attribuiti al 91H0 | ISPRA_habi |