

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

CODE: 91K0

NAME: Illyrian *Fagus sylvatica* forests (Aremonio-Fagion)

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

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 Published and unpublished data, information and experts' judgments have been provided by Edoardo Biondi, Liliana Zivkovic and Cesare Lasen(SBI), Pietro Massimiliano Bianco and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).

"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" 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., 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%27Ambiente/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 ²) | 15700 | |
| 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 | 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 (km ²) | |
| | operator | approximately equal to (≈) |
| | unknown | No |
| | method | |
| 2.3.10 Reason for change | genuine change | No |
| | improved knowledge | Yes |
| | different method | Yes |

2.4 Area covered by Habitat

| | | | |
|------------------------------------|---|-----|---------------------|
| 2.4.1 Surface area (km²) | 1515,87 | | |
| 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 | stable (0) | | |
| 2.4.6 Short-term trend magnitude | min | max | confidence interval |
| 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 | confidence interval |
| 2.4.11 Long term trend method used | N/A | | |
| 2.4.12 Favourable reference area | area (km) operator approximately equal to (≈) unknown No method | | |
| 2.4.13 Reason for change | Improved knowledge/more accurate dataUse of different method | | |

2.5 Main Pressures

| Pressure | ranking | pollution qualifier(s) |
|--|-----------------------|------------------------|
| roads, motorways (D01.02) | medium importance (M) | N/A |
| Urbanised areas, human habitation (E01) | medium importance (M) | N/A |
| burning down (J01.01) | medium importance (M) | N/A |
| motorised vehicles (G01.03) | high importance (H) | N/A |
| artificial planting on open ground (non-native trees) (B01.02) | low importance (L) | N/A |
| paths, tracks, cycling tracks (D01.01) | medium importance (M) | N/A |

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| | | |
|---|-----------------------|-----|
| Improved access to site (D05) | 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 |
| Other human intrusions and disturbances (G05) | medium importance (M) | N/A |

2.5.1 Method used – pressures Estimate based on partial data with some extrapolation and/or modelling(2)

2.6 Main Threats

| Threat | ranking | pollution qualifier(s) |
|--|-----------------------|------------------------|
| roads, motorways (D01.02) | medium importance (M) | N/A |
| Urbanised areas, human habitation (E01) | medium importance (M) | N/A |
| burning down (J01.01) | medium importance (M) | N/A |
| motorised vehicles (G01.03) | high importance (H) | N/A |
| artificial planting on open ground (non-native trees) (B01.02) | low importance (L) | N/A |
| paths, tracks, cycling tracks (D01.01) | medium importance (M) | N/A |
| Improved access to site (D05) | 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 |
| Other human intrusions and disturbances (G05) | medium importance (M) | N/A |

2.6.1 Method used – threats Estimate based on expert opinion with no or minimal sampling(1)

2.7 Complementary Information

2.7.1 Species

| |
|---|
| <i>Fagus sylvatica</i> |
| <i>Cyclamen purpurascens</i> ssp. <i>Purpurascens</i> |
| <i>Anemonoides trifolia</i> (=Anemone trifolia) |
| <i>Aremonia agrimonioides</i> |
| <i>Cardamine trifolia</i> |
| <i>Cardamine enneaphyllos</i> |
| <i>Epipactis</i> spp. |
| <i>Euphorbia carniolica</i> |
| <i>Epimedium alpinum</i> |
| <i>Hacquetia epipactis</i> |
| <i>Helleborus niger</i> |
| <i>Helleborus odorus</i> |
| <i>Homogyne sylvestris</i> |
| <i>Lamium orvala</i> |
| <i>Ruscus hypoglossum</i> |
| <i>Saxifraga rotundifolia</i> |
| <i>Scopolia carniolica</i> |

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Vicia oroboides

| | |
|---------------------------|--|
| 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 Favourable(FV) qualifiers N/A |
|-------------|--|

| | |
|------------|--|
| 2.8.2 Area | assessment Favourable(FV) qualifiers N/A |
|------------|--|

| | |
|--|--|
| 2.8.3 Specific structures and functions (incl Species) | assessment Inadequate(U1) qualifiers N/A |
|--|--|

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

| | |
|---|-----------------|
| 2.8.5 Overall assessment of Conservation Status | Inadequate(U1) |
|---|-----------------|

| | |
|--|---------------|
| 2.8.5 Overall trend in Conservation Status | declining(-) |
|--|---------------|

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

3.1 Area covered by habitat

| | |
|--------------------------|---------------------------|
| 3.1.1 Surface area (km²) | min 563,4046 max 563,4046 |
|--------------------------|---------------------------|

| | |
|-------------------|--|
| 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

Habitat code: 91K0 Region code: ALP

| Field label | Note | User |
|--------------------|---|----------------|
| 2.4.1 Surface area | I dati di Friuli Venezia Giulia, Veneto e Trentino sono ritenuti molto attendibili. L'assenza dell'habitat in Alto Adige va verificata (soprattutto nel settore dolomitico). Le presenze in Lombardia, in particolare nel settore occidentale, meritano una valutazione di carattere fitogeografico, anche sulla base dell'effettiva composizione floristica.. Nel calcolo delle superfici (campi 2.3.1, 2.4.1 e 3.1.1) rientra anche la superficie delle aree comprese nella regione continentale. | ISPRA_h abi |