

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

CODE: 9420

NAME: Alpine Larix decidua and/or Pinus cembra forests

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 Published and unpublished data, information and experts' judgments have been provided by Edoardo Biondi, Liliana Zivkovic and Cesare Lasen(SBI), Pietro Massimiliano Bianco and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'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., 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 Morra di Cella U., Cremonese E., Pari E., Siniscalco C., Amadei M., Angelini P., Cardillo A., 2008. Carta degli habitat della Regione Valle d'Aosta per il sistema informativo di Carta della Natura alla scala 1:50.000. ISPRA - ARPA Valle d'Aosta - Dipartimento Biologia Vegetale Università degli studi di Torino.
http://www.isprambiente.gov.it/site/it-IT/Servizi_per_l'Ambiente/Sistema_Carta_della_Natura 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. PEER T., 1980. Karte der aktuellen Vegetation Südtirols 1: 100.000. Blatt Bozen. Doc. de Cart. Ecol., XXIII: 25-46. Grenoble PEER T., 1991. Karte der aktuellen Vegetation Südtirols, Maßstab 1:200.000. Autonome Provinz Bozen-Südtirol, Amt für Naturparke, Naturschutz und Landschaftspflege. Bozen. PEER T., 1995. La vegetazione naturale dell'Alto Adige. Note illustrative della carta della vegetazione naturale

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1:200.000. Provincia Autonoma di Bolzano-Alto Adige. Ufficio pianificazione paesaggistica, Ripartizione tutela del paesaggio e della natura, Bolzano.📄"

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

2.3.1 Surface area - Range (km ²)	44100		
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 ²)	approximately equal to (≈)	
	operator		
	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)	3108,25		
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	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 less than (<) 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
grazing (A04)	medium importance (M)	N/A
skiing complex (G02.02)	high importance (H)	N/A
Erosion (K01.01)	low importance (L)	N/A
skiing, off-piste (G01.06)	low importance (L)	N/A

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Improved access to site (D05)	low importance (L)	N/A
burning down (J01.01)	medium importance (M)	N/A
motorised vehicles (G01.03)	medium importance (M)	N/A
paths, tracks, cycling tracks (D01.01)	medium importance (M)	N/A
avalanche (L04)	low importance (L)	N/A
forestry clearance (B02.02)	low importance (L)	N/A
Other human intrusions and disturbances (G05)	medium importance (M)	N/A
Biocenotic evolution, succession (K02)	low importance (L)	N/A
Forest and Plantation management & use (B02)	medium importance (M)	N/A
grazing in forests/ woodland (B06)	high importance (H)	N/A
Forestry activities not referred to above (B07)	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
grazing (A04)	medium importance (M)	N/A
skiing complex (G02.02)	high importance (H)	N/A
Erosion (K01.01)	low importance (L)	N/A
skiing, off-piste (G01.06)	low importance (L)	N/A
Improved access to site (D05)	low importance (L)	N/A
burning down (J01.01)	medium importance (M)	N/A
motorised vehicles (G01.03)	medium importance (M)	N/A
paths, tracks, cycling tracks (D01.01)	medium importance (M)	N/A
avalanche (L04)	low importance (L)	N/A
forestry clearance (B02.02)	low importance (L)	N/A
Other human intrusions and disturbances (G05)	medium importance (M)	N/A
Biocenotic evolution, succession (K02)	low importance (L)	N/A
Forest and Plantation management & use (B02)	medium importance (M)	N/A
grazing in forests/ woodland (B06)	high importance (H)	N/A
Forestry activities not referred to above (B07)	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

Larix decidua

Pinus cembra

Adenostyles glabra

Arctostaphylos uva-ursi

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Alnus viridis

Asplenium viridis

Calamagrostis villosa

Dryopteris expansa

Erica carnea

Homogyne alpina

Juniperus communis var. nana

Linnea borealis

Rhododendron hirsutum

Rhodothamnus chamaecistus

Saxifraga cuneifolia

Luzula sylvatica subsp. Sieberi

Lycopodium annotinum

Sorbus chamaemespilus

Valeriana tripteris

Sesleria caerulea

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 Favourable(FV)
qualifiers N/A

2.8.4 Future prospects

assessment Favourable(FV)
qualifiers N/A

2.8.5 Overall assessment of Conservation Status

Favourable(FV)

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

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3.1.1 Surface area (km²)	min	677,5034	max	677,5034
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

Notes

Habitat code: 9420 Region code: ALP

Field label	Note	User
2.8.2 b) Conclusion Area qualifiers	Negli ultimi decenni l'habitat è in espansione per effetto di diminuita pressione, abbandono di pascoli e precessi di rinaturazione	ISPRA_h abi