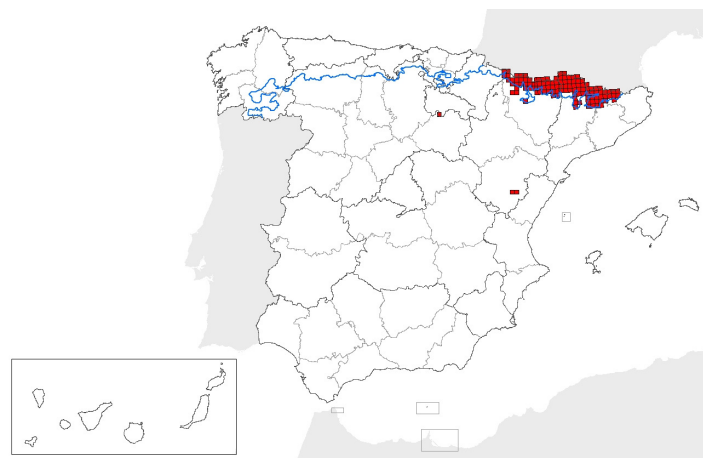


9430 Subalpine and montane *Pinus uncinata* forests (if on gypsum or limestone)

1. National level

Biogeographical regions and/or marine regions concerned within the Member State: **ALP MED**



map-distribution

2. Biogeographical or marine level

2.1 Biogeographical region or marine region: **ALPINE**

2.2 Published sources and/or websites:

BARTOLOMÉ, C., ÁLVAREZ, J., VAQUERO, Jj., COSTA, M., CASERMEIRO, M.A., GIRALDO, J. & ZAMORA, J. 2005. Los tipos de hábitat de interés comunitario de España. Guía básica. Dirección General para la Biodiversidad, Ministerio de Medio Ambiente. Inventario Nacional de hábitats. Ministerio Medio Ambiente. 1997. Cartografía y bases de datos. Ministerio de Medio Ambiente. (2003). Atlas y manual de los hábitat de España. Dirección General de Conservación de la Naturaleza, Ministerio de Medio Ambiente.

Vigo, J.; Carreras, J. & Ferré, A. (eds.). Manual dels Hàbitats de Catalunya: catàleg dels hàbitats naturals reconeguts en el territori català d'acord amb els criteris establerts pel CORINE biotopes manual de la Unió Europea. Vols I a VII. Departament de Medi Ambient i Habitatge. Generalitat de Catalunya. 2005-2008.

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

2.3.1 Surface area of range in km ² :	9250
2.3.2 Date of range determination:	1994-2003
2.3.3 Quality of data concerning range:	Moderate e.g. based on partial data with some extrapolation
2.3.4 Range trend:	Unknown (X)
2.3.5 Range trend magnitude in km ² (optional):	
2.3.6 Range trend period:	1990-2006
2.3.7 Reasons for reported trend:	Not applicable
and/or specify	

2.4 Area covered by habitat type in the biogeographical region or marine region

2.4.1 Surface area of the habitat type (km ²):	497,96
2.4.2 Date of area estimation:	1998-2007
2.4.3 Method used for area estimation:	Ground based survey (based on field mapping, possibly using stratified random sa
2.4.4 Quality of data on area:	Good e.g based on extensive surveys

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2.4.5 Area trend:	Increasing (+)
2.4.6 Area trend magnitude (km2):	0
2.4.7 Area trend period:	1957-2006
2.4.8 Reasons for reported trend:	Indirect anthropo(zoo)genic influence Natural processes

and/or specify:

2.4.9 Justification of % thresholds for trends (optional):

2.4.10 Main pressures:	626 - skiing, off-piste
2.4.11 Threats	626 - skiing, off-piste 629 - other outdoor sports and leisure activities

2.5 Complementary information

2.5.1 Favourable reference range (km2):	5400	Much more than
2.5.2 Favourable reference area (km2):	387,05	Less than
2.5.3 Typical Species:	<i>Arctostaphylos uva-ursi</i> , <i>Festuca gautieri</i> , <i>Festuca ovina</i> , <i>Genista balansae</i> subsp. <i>europaea</i> , <i>Hylocomium splendens</i> , <i>Juniperus communis</i> , <i>Listera cordata</i> , <i>Pinus uncinata</i> , <i>Pleurozium schreberi</i> , <i>Pyrola minor</i> , <i>Pyrola secunda</i> , <i>Pyrola uniflora</i> , <i>Rhododendron ferrugineum</i> , <i>Rhytidiadelphus triquetrus</i> , <i>Sorbus aucuparia</i> , <i>Vaccinium myrtillus</i> , <i>Veronica officinalis</i>	
2.5.4 Typical species assessment:	Evaluación de las especies típicas: seleccionadas a partir del "Manual de los hábit	
2.5.5 Other relevant information (optional):	Cataluña: solo se incluye información del HIC 9430 sobre sustrato ácido, para sust	

Conclusion	Biogeographical or marine level	Conclusions within Natura 2000 sites (optional)
Conclusions: (2.3) Range:	Unknown (XX)	
Conclusions: (2.4) Area:	Unknown (XX)	
Conclusions: (2.5) Structure and function, including typical species:	Unknown (XX)	
Conclusions: Future prospects:	Unknown (XX)	
Conclusions: Overall assessment:	Unknown (XX)	

2.1 Biogeographical region or marine region: **MEDITERRANEAN**

2.2 Published sources and/or websites:

Bartolomé, C., J. Álvarez, J. Vaquero, M. Costa, M.A. Casermeiro, J. Giraldo & J. Zamora (2005). Los tipos de hábitat de interés comunitario de España. Guía básica. Dirección General para la Biodiversidad, Ministerio de Medio Ambiente.

Ministerio de Medio Ambiente. (2003). Atlas y manual de los hábitat de España. Dirección General de Conservación de la Naturaleza, Ministerio de Medio Ambiente.

Inventario Nacional de Hábitat (1996). Dirección General para la Biodiversidad, Ministerio de Medio Ambiente

Arizaleta, J.A., García Baquero, G., Medrano, L.M. Inventario de hábitats naturales en los Lugares de Importancia Comunitaria de La Rioja (2003) Dirección General de Medio Natural. Gobierno de La Rioja (Estudio inédito)

Consejería de Medio Ambiente. 2002-2007. Proyecto de Cartografía detallada de hábitats del Anexo I

Escudero, A., J.M. Olano, R. García, P. Bariego, I. Molina & J.A. Arranz (2007). Guía básica para la interpretación de los hábitats de interés comunitario en la Comunidad de Castilla y León. Junta de Castilla y León. Consejería de Medio Ambiente (en prensa).

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

2.3.1 Surface area of range in km2:	1040
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9430 Subalpine and montane *Pinus uncinata* forests (if on gypsum or limestone)

- 2.3.2 Date of range determination: 2004-2007
- 2.3.3 Quality of data concerning range: Poor e.g. based on very incomplete data or on expert judgement
- 2.3.4 Range trend: Unknown (X)
- 2.3.5 Range trend magnitude in km² (optional):
- 2.3.6 Range trend period: 1996-2004
- 2.3.7 Reasons for reported trend:
and/or specify

2.4 Area covered by habitat type in the biogeographical region or marine region

- 2.4.1 Surface area of the habitat type (km²): 9,62
- 2.4.2 Date of area estimation: 2004-2007
- 2.4.3 Method used for area estimation: Ground based survey (based on field mapping, possibly using stratified random sa
- 2.4.4 Quality of data on area: Poor e.g. based on very incomplete data or on expert judgement
- 2.4.5 Area trend: Unknown (X)
- 2.4.6 Area trend magnitude (km²): 0
- 2.4.7 Area trend period: 1996-2004
- 2.4.8 Reasons for reported trend:
and/or specify:
- 2.4.9 Justification of % thresholds for trends (optional):
- 2.4.10 Main pressures:
- 166 - removal of dead and dying trees
 - 167 - forest exploitation without replanting
 - 170 - Animal breeding
 - 180 - Burning
 - 190 - Agriculture and forestry activities not referred to above
 - 501 - paths, tracks, cycling tracks
 - 948 - fire (natural)
 - 973 - introduction of disease
 - 974 - genetic pollution
- 2.4.11 Threats
- 166 - removal of dead and dying trees
 - 167 - forest exploitation without replanting
 - 170 - Animal breeding
 - 180 - Burning
 - 190 - Agriculture and forestry activities not referred to above
 - 501 - paths, tracks, cycling tracks
 - 948 - fire (natural)
 - 973 - introduction of disease
 - 974 - genetic pollution

2.5 Complementary information

- 2.5.1 Favourable reference range (km²): 0
- 2.5.2 Favourable reference area (km²): 0
- 2.5.3 Typical Species: *Pinus uncinata*
- 2.5.4 Typical species assessment:
- 2.5.5 Other relevant information (optional): En Aragón presente en 13 Lugares

Conclusion

Biogeographical or
marine level

Conclusions within Natura 2000
sites (optional)

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Conclusions: (2.3) Range:	Unknown (XX)
Conclusions: (2.4) Area:	Unknown (XX)
Conclusions: (2.5) Structure and function, including typical species:	Unknown (XX)
Conclusions: Future prospects:	Unknown (XX)
Conclusions: Overall assessment:	Unknown (XX)