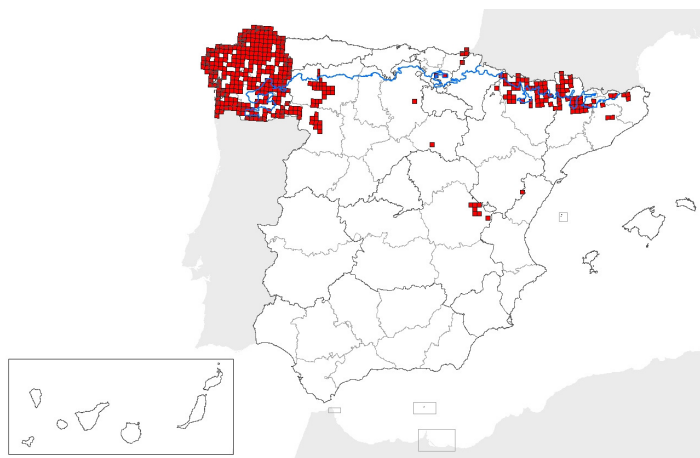


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1. National level

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



map-distribution

2. Biogeographical or marine level

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

2.2 Published sources and/or websites:

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 :	4527,21
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:	
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):	0,98
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
2.4.5 Area trend:	Stable (=)
2.4.6 Area trend magnitude (km ²):	0
2.4.7 Area trend period:	1990-2006
2.4.8 Reasons for reported trend:	Direct human influence (restoration, deterioration, destruction)

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Natural processes

and/or specify:

2.4.9 Justification of % thresholds for trends (optional):

2.4.10 Main pressures: 100 - Cultivation
701 - water pollution
810 - Drainage
850 - Modification of hydrographic functioning, general

2.4.11 Threats 100 - Cultivation
701 - water pollution
810 - Drainage
850 - Modification of hydrographic functioning, general

2.5 Complementary information

2.5.1 Favourable reference range (km2): Approximately equal to

2.5.2 Favourable reference area (km2): 0 Approximately equal to

2.5.3 Typical Species: *Carex lepidocarpa*, *Carex pallescens*, *Cirsium monspessulanum*, *Epipactis palustris*, *Gentiana pneumonanthe*, *Juncus acutiflorus*, *Juncus conglomeratus*, *Lahyrus pratensis*, *Molinia caerulea*, *Scorzonera humilis*, *Succisa pratensis*

2.5.4 Typical species assessment: Seleccionadas a partir del “Manual de los hábitats de Catalunya”

2.5.5 Other relevant information (optional): En la Comunidad Autónoma de Aragón está presente en 20 Lugares y el 97,90 % d

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:	Inadequate (U1)	
Conclusions: Future prospects:	Inadequate (U1)	
Conclusions: Overall assessment:	Inadequate (U1)	

2.1 Biogeographical region or marine region: ATLANTIC

2.2 Published sources and/or websites:

CMADS. (2007). Plan director de conservación da Rede Natura 2000 de Galicia. Vol: I-II-III-IV. Lugo.

Díaz González, T.E. & Fernández Prieto, J.A. (1994). La vegetación de Asturias. It. Geobot. 8: 243-528.

Izco Sevillano, J., Díaz Varela, R., Martínez Sánchez, S., Rodríguez Guitián, M.A., Ramil Rego, P. & Pardo Gamundi, I. (2001b). Análisis y valoración de la Sierra de O Xistral: un modelo de aplicación de la Directiva Hábitat en Galicia. 162 pp. Consellería de Medio Ambiente. Xunta de Galicia. Santiago de Compostela.

Pulgar, I. (1999). La vegetación de la Baixa Limia y Sierras del entorno. Tesis Doctoral (inédita). Facultade de Farmacia. Universidade de Santiago de Compostela.

Ramil et al. 2005. La expresión territorial de la diversidad. Paisajes y hábitats. Recursos Rurais (2005). Serie cursos 2:109-128.

Silva-Pando, F.J. (1990). La flora y vegetación de la Sierra de Ancares: base para la planificación y ordenación forestal. Tesis Doctoral (inédita). Universidad Complutense de Madrid.

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.

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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:	24700
2.3.2 Date of range determination:	2007
2.3.3 Quality of data concerning range:	Good e.g based on extensive surveys
2.3.4 Range trend:	Stable (=)
2.3.5 Range trend magnitude in km2 (optional):	
2.3.6 Range trend period:	1995-2007
2.3.7 Reasons for reported trend:	Direct human influence (restoration, deterioration, destruction) Indirect anthro(zoo)genic influence

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):	0
2.4.2 Date of area estimation:	
2.4.3 Method used for area estimation:	
2.4.4 Quality of data on area:	
2.4.5 Area trend:	
2.4.6 Area trend magnitude (km2):	0
2.4.7 Area trend period:	
2.4.8 Reasons for reported trend:	Direct human influence (restoration, deterioration, destruction) Indirect anthro(zoo)genic influence

and/or specify:

2.4.9 Justification of % thresholds for trends (optional):

2.4.10 Main pressures:	140 - Grazing 850 - Modification of hydrographic functioning, general 890 - Other human induced changes in hydraulic conditions
2.4.11 Threats	140 - Grazing 850 - Modification of hydrographic functioning, general 890 - Other human induced changes in hydraulic conditions

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:	

Anagallis tenella, *Caltha palustris*, *Carex binervis*, *Carex davalliana*, *Carex echinata*, *Carex lepidocarpa*, *Carex pulicaris*, *Carex tomentosa*, *Carum verticillatum*
Suptypos acidófilos: *Juncus effusus*, *Juncus conglomeratus*, *Juncus acutiflorus*, *Carum verticillatum*, *Scutellaria minor*, *Hypericum undulatum*, *Cirsium palustre*, *Cirsium tuberosum*, *Coenagrion mercuriale*, *Deschampsia hispanica*, *Dryopteris carthusiana*, *Epilobium palustre*, *Epipactis palustris*, *Eriophorum latifolium*, *Galium boreale*, *Geum rivale*, *Heteropterus morpheus*, *Hypericum undulatum*, *Inula salicina*, *Juncus acutiflorus*, *Juncus bulbosus*, *Juncus effusus*, *Lotus pedunculatus*, *Luzula multiflora*, *Lynchnis flos-cuculi*, *Melitaea deione*, *Molinia caerulea*, *Narcissus bulbocodium*, *Ophioglossum vulgatum*, *Peucedanum carvifolia*, *Polygala calcarea*, *Potentilla erecta*, *Pyrgus malvoides*, *Ranunculus flammula*, *Sanguisorba officinalis*, *Saxicola rubetra*, *Schoenus nigricans*,

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Scutellaria minor, *Senecio carpetanus*, *Senecio doria*, *Serratula tinctoria*,
Silaum silaus, *Spiranthes aestivalis*, *Spiranthes aestivalisx*, *Succisa pratensis*,
Sympetrum meridionale, *Tetragonolobus maritimus*, *Wahlenbergia hederacea*,
Zygaena (Zygaena) trifolii

2.5.4 Typical species assessment:

2.5.5 Other relevant information (optional):

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:

Martín, J.; Cirujano, S.; Moreno, M.; Bautista, J.; Stübing, G. La vegetación protegida en Castilla-La Mancha. Descripción, ecología y conservación de los hábitat de protección especial. Dirección General del Medio Natural. Consejería de Agricultura y Medio Ambiente. Junta de Comunidades de Castilla-La Mancha. 2003.

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

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

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).

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.

CMADS. (2007). Plan director de conservación da Rede Natura 2000 de Galicia. Vol: I-II-III-IV. Lugo.

Díaz González, T.E. & Fernández Prieto, J.A. (1994). La vegetación de Asturias. It. Geobot. 8: 243-528.

Izco Sevillano, J., Díaz Varela, R., Martínez Sánchez, S., Rodríguez Guitián, M.A., Ramil Rego, P. & Pardo Gamundi, I. (2001b). Análisis y valoración de la Sierra de O Xistral: un modelo de aplicación de la Directiva Hábitat en Galicia. 162 pp. Consellería de Medio Ambiente. Xunta de Galicia. Santiago de Compostela.

Pulgar, I. (1999). La vegetación de la Baixa Limia y Sierras del entorno. Tesis Doctoral (inédita). Facultade de Farmacia. Universidade de Santiago de Compostela.

Ramil et al. 2005. La expresión territorial de la diversidad. Paisajes y hábitats. Recursos Rurais (2005). Serie cursos 2:109-128.

Silva-Pando, F.J. (1990). La flora y vegetación de la Sierra de Ancares: base para la planificación y ordenación forestal. Tesis Doctoral (inédita). Universidad Complutense de Madrid.

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

2.3.1 Surface area of range in km2:	11587,07
2.3.2 Date of range determination:	1998-2006
2.3.3 Quality of data concerning range:	
2.3.4 Range trend:	Unknown (X)

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2.3.5 Range trend magnitude in km² (optional):

2.3.6 Range trend period: 1990-2007

2.3.7 Reasons for reported trend: Direct human influence (restoration, deterioration, destruction)
Natural processes

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): 51,72

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
Based on remote sensing data (possibly including an element of ground truthing)

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: 1990-2007

2.4.8 Reasons for reported trend: Direct human influence (restoration, deterioration, destruction)
Natural processes

and/or specify:

2.4.9 Justification of % thresholds for trends (optional):

2.4.10 Main pressures: 100 - Cultivation
140 - Grazing
141 - abandonment of pastoral systems
171 - stock feeding
701 - water pollution
810 - Drainage
850 - Modification of hydrographic functioning, general
890 - Other human induced changes in hydraulic conditions

2.4.11 Threats 100 - Cultivation
140 - Grazing
141 - abandonment of pastoral systems
171 - stock feeding
623 - motorised vehicles
690 - Other leisure and tourism impacts not referred to above
701 - water pollution
810 - Drainage
850 - Modification of hydrographic functioning, general
890 - Other human induced changes in hydraulic conditions

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: *Achillea millefolium*, *Alopecurus pratensis*, *Anagallis tenella*, *Arrhenatherum elatius ssp bulbosum*, *Bromas racemosus*, *Bromus erectus*, *Caltha palustris*, *Carex binervis*, *Carex davalliana*, *Carex echinata*, *Carex lepidocarpa*, *Carex pulicaris*, *Carex tomentosa*, *Carum verticillatum*, *Centaurea cephalarifolia*, *Cirsium monspessulanum*, *Cirsium palustre*, *Cirsium tuberosum*, *Deschampsia hispanica*, *Deschampsia refracta*, *Deum rivale*, *Epilobium palustre*, *Epipactis palustris*, *Eriophorum latifolium*, *Festuca rubra*, *Heracleum sphondilium*, *Holcus lanatus*, *Hypericum undulatum*, *Inula salicina*, *Juncus acutiflorus*, *Juncus bulbosus*, *Juncus conglomeratus*, *Juncus effusus*, *Knautia arvensis*, *Lahyrus*

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pratensis, *Lathyrus pratensis*, *Lotus pedunculatus*, *Luzula multiflora*, *Lynchnis flos-cuculi*, *Molinea caerulea*, *Molinia caerulea*, *Narcissus bulbocodium*, *Ophioglossum vulgatum*, *Pastinaca sativa*, *Peucedanum carvifolia*, *Phleum pratense*, *Pimpinella major*, *Poa pratensis*, *Polygala calcarea*, *Potentilla erecta*, *Ranunculus flammula*, *Rhinanthus minor*, *Salvia pratensis*, *Sanguisorba minor*, *Sanguisorba officinalis*, *Schoenus nigricans*, *Scutellaria minor*, *Senecio doria*, *Serratula tinctoria*, *Silaum silaus*, *Spiranthes aestivalis*, *Succisa pratensis*, *Tetragonolobus maritimus*, *Trifolium pratense*, *Trisetum flavescens*, *Wahlenbergia hederacea*

2.5.4 Typical species assessment: Evaluación de las especies típicas: seleccionadas a partir de la publicación “Los ti

2.5.5 Other relevant information (optional): En Aragón presente en 15 Lugares

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)	