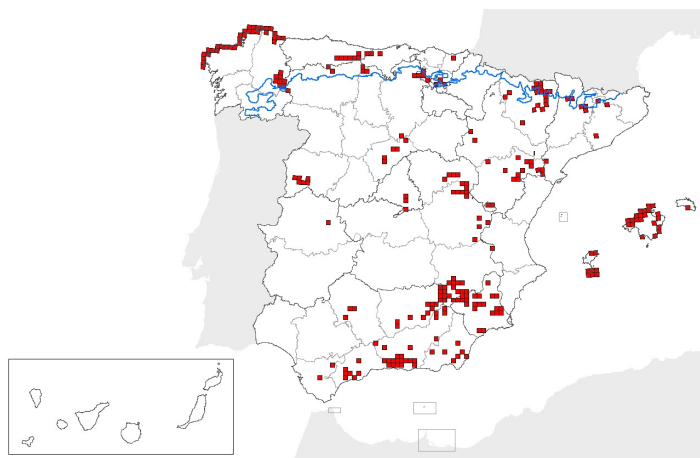


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1. National level

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



map-distribution

2. Biogeographical or marine level

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

2.2 Published sources and/or websites:

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

2.3.1 Surface area of range in km ² :	763,73
2.3.2 Date of range determination:	1994
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 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):	0,13
2.4.2 Date of area estimation:	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 (km ²):	0
2.4.7 Area trend period:	
2.4.8 Reasons for reported trend:	Not applicable
and/or specify:	

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2.4.9 Justification of % thresholds for trends (optional):

2.4.10 Main pressures:

2.4.11 Threats

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:

2.5.4 Typical species assessment:

2.5.5 Other relevant information (optional): Presente en 11 Lugares 99,98 % del hábitat incluido en LIC

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: 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.

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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.

BARTOLOMÉ, C. et al. 2003. Atlas y Manual de los Hábitat de España. Dirección General de Conservación de la Naturaleza. Ministerio de Medio Ambiente.

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European Comission DG Environment. October, 2003. Interpretation Manual of European Union Habitats. EUR 25. NATURA 2000.

GARCÍA PÉREZ, J. 2003. Inventario y Restauración de Valores de Natura 2000 en Cantabria. Gobierno de Cantabria. Consejería de Agricultura, Ganadería y Pesca. Dirección General de Montes y Conservación de la Naturaleza. Tragsa.

Ministerio de Medio Ambiente. 1997. Inventario Nacional de Hábitat. Escala 1: 50.000.

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.

Escudero, A., J.M. Olano, R. García, P. Bariego, I. Molina & J.A. Arranz (2007). Guía básica para la interpretación de los hábitats

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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: 7500
- 2.3.2 Date of range determination: 1995-2007
- 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 km² (optional):
- 2.3.6 Range trend period:
- 2.3.7 Reasons for reported trend: Direct human influence (restoration, deterioration, destruction)
Indirect anthropo(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)
Improved knowledge/more accurate data
Indirect anthropo(zoo)genic influence

and/or specify:

2.4.9 Justification of % thresholds for trends (optional):

- 2.4.10 Main pressures:
- 140 - Grazing
 - 161 - forest planting
 - 310 - Peat extraction
 - 331 - open cast mining
 - 501 - paths, tracks, cycling tracks
 - 720 - Trampling, overuse
 - 810 - Drainage
 - 830 - Canalisation
 - 850 - Modification of hydrographic functioning, general
 - 890 - Other human induced changes in hydraulic conditions
 - 920 - Drying out
 - 952 - eutrophication
- 2.4.11 Threats
- 140 - Grazing
 - 161 - forest planting
 - 310 - Peat extraction
 - 331 - open cast mining
 - 501 - paths, tracks, cycling tracks
 - 720 - Trampling, overuse
 - 790 - Other pollution or human impacts/activities
 - 810 - Drainage
 - 830 - Canalisation
 - 850 - Modification of hydrographic functioning, general

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890 - Other human induced changes in hydraulic conditions

920 - Drying out

952 - eutrophication

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: *Adiantum capillus-veneris*, *Asplenium marinum*, *Cratoneuron commutatum*, *Festuca rubra* subsp. *Pruinosa*, *Hypericum androsaemum*, *Marchantia polymorpha*, *Pinguicula grandiflora*, *Potentilla fruticosa*, *Rumex acetosa* subsp. *Biformis*, *Samolus valerandi*, *Sideritis ovata*, *Taxus baccata*, *Trachelium coeruleum*

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: **MACARONESIAN**

2.2 Published sources and/or websites:

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

2.3.1 Surface area of range in km2: 0

2.3.2 Date of range determination:

2.3.3 Quality of data concerning range:

2.3.4 Range trend:

2.3.5 Range trend magnitude in km2 (optional):

2.3.6 Range trend period:

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): 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:

and/or specify:

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2.4.9 Justification of % thresholds for trends (optional):

2.4.10 Main pressures:

2.4.11 Threats

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:

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.

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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.

http://www.mma.es/portal/secciones/biodiversidad/rednatura2000/documentos_rednatura/acceso_fichas.htm

Ministerio de Medio Ambiente. (1993). Inventario Nacional de Hábitat. Dirección General para la Biodiversidad, Ministerio de Medio Ambiente.

Llorens, L., Gil, L., Cardona, C., Salas, X., Femenia, M., Galmés, H. & Bardolet, M. (2006) Cartografia dels Hàbitats del Paratge Natural de ls serra de Tramuntana

Llorens, L., Gil, L., Cardona, C., Salas, X., Femenia, M., Galmés, H. & Bardolet, M. (2005-2006) El análisis fitosociológico como instrumento para la definición y evaluación de hábitats. Aplicación en la zonificación del PORN de la Serra Tramuntana.

Gil, L. & Llorens, L. (2004). Análisis biogeográfico de la flora de Formentera (Islas Baleares, España). Lazaroa 25: 169-178.

Llorens, L., Gil, L. (2004) Atlas de los Hábitats Naturales y Seminaturales de España a Escala 1:50.000. (Baleares). TRAGSA

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Llorens, L. (2005) Cartografia dels Hàbitats del Parc de les salines d'Eivissa i Formentera

Cuevas, J.A. (2003). Inventario y descripción de los hábitats incluidos en la Directiva 92/43/CEE presentes en la Comunidad de Madrid. Serie Documentos, nº 40. Edt. Centro de Investigaciones Ambientales de la Comunidad de Madrid Fernando González Bernáldez. Soto del Real. Madrid. 59pp.

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.

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

Rivas-Martínez, S. T.E. Díaz, F. Fernández-González, J. Izco, J. Loidi, M. Lousa & A. Penas (2002). Vascular plant communities of Spain and Portugal. Addenda to the syntaxonomical checklist of 2001. Itinera Geobotanica 15(2): 433-922.

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

- 2.3.1 Surface area of range in km2: 17880
- 2.3.2 Date of range determination: 1993-2007
- 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 km2 (optional):
- 2.3.6 Range trend period:
- 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): 7,16
- 2.4.2 Date of area estimation: 1992-2007
- 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: Moderate e.g. based on partial data with some extrapolation
- 2.4.5 Area trend: Unknown (X)
- 2.4.6 Area trend magnitude (km2): 0
- 2.4.7 Area trend period:
- 2.4.8 Reasons for reported trend:
and/or specify:
- 2.4.9 Justification of % thresholds for trends (optional):
- 2.4.10 Main pressures:
- 101 - modification of cultivation practices
 - 110 - Use of pesticides
 - 120 - Fertilisation
 - 130 - Irrigation
 - 140 - Grazing
 - 141 - abandonment of pastoral systems
 - 161 - forest planting
 - 170 - Animal breeding
 - 250 - Taking / Removal of flora, general
 - 301 - quarries
 - 310 - Peat extraction
 - 331 - open cast mining

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400 - Urbanised areas, human habitation
410 - Industrial or commercial areas
423 - disposal of inert materials
501 - paths, tracks, cycling tracks
530 - Improved access to site
624 - mountaineering, rock climbing, speleology
690 - Other leisure and tourism impacts not referred to above
701 - water pollution
720 - Trampling, overuse
730 - Military manouvres
810 - Drainage
830 - Canalisation
850 - Modification of hydrographic functioning, general
852 - modifying structures of inland water courses
890 - Other human induced changes in hydraulic conditions
920 - Drying out
952 - eutrophication

2.4.11 Threats

101 - modification of cultivation practices
110 - Use of pesticides
120 - Fertilisation
130 - Irrigation
140 - Grazing
141 - abandonment of pastoral systems
161 - forest planting
170 - Animal breeding
250 - Taking / Removal of flora, general
301 - quarries
310 - Peat extraction
331 - open cast mining
400 - Urbanised areas, human habitation
410 - Industrial or commercial areas
423 - disposal of inert materials
501 - paths, tracks, cycling tracks
530 - Improved access to site
624 - mountaineering, rock climbing, speleology
690 - Other leisure and tourism impacts not referred to above
701 - water pollution
720 - Trampling, overuse
730 - Military manouvres
810 - Drainage
830 - Canalisation
850 - Modification of hydrographic functioning, general
852 - modifying structures of inland water courses
890 - Other human induced changes in hydraulic conditions
920 - Drying out
952 - eutrophication

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:

Adiantum capillus-veneris, *Anagallis tenella*, *Asplenium marinum*, *Barbula ehrenbergi*, *Bithynia manonellesi*, *Bryum ventricosum*, *Cratoneurion commutatum*, *Cratoneurium filicinum*, *Didymodon tophaceus*, *Dugesia* sp., *Ecladium verticillatum*, *Eucladium verticillatum*, *Festuca rubra* subsp. *pruinosa*,

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Fontinalis antipyretica, *Islamia laiae*, *Melanopsis* sp., *Montia fontana* subsp. *chondrosperma*, *Myosotis stolonifera*, *Palustriella commutata*, *Palustriella falcata*, *Parnassia palustris*, *Pellia endiviifolia*, *Pellia fabbroiana*, *Pellia indiviifolia*, *Philonotis calcarea*, *Philonotis fontana*, *Pinguicula grandiflora*, *Pinguicula mundi*, *Pinguicula vallisneriifolia*, *Pinguicula vulgaris*, *Pseudamnicola* spp., *Rumex acetosa* subsp. *biformis*, *Samolus valerandi*, *Saxifraga stellaris* subs. *alpigena*, *Scirpus cernuus*, *Southbya tophacea*, *Stellaria uliginosa*, *Trachelium caeruleum* subsp. *caeruleum*, *Veronica langei*

- 2.5.4 Typical species assessment:
- En Castilla- La Mancha, las especies típicas fueron seleccionadas a partir de la pu
- 2.5.5 Other relevant information (optional):
- En el País Vasco el el 76% está incluida en la Red Natura 2000. En concreto está p

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)	