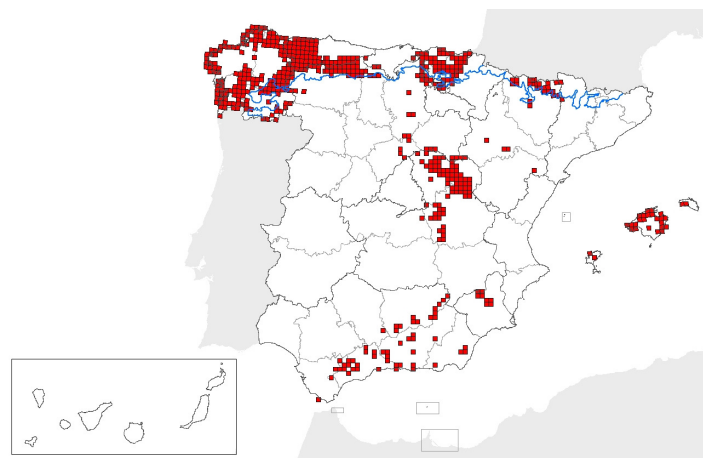


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1. National level

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:

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 km²: 2200
- 2.3.2 Date of range determination:
- 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:
- 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: Poor e.g. based on very incomplete data or on expert judgement
- 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:

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and/or specify:

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: *Chroococcus sp.*, *Cololejeunea sp.*, *Gloeocapsa sp.*, *Leptoneta sp.*, *Limonia sp.*, *Lithobius sp.*, *Marchesinia mackaii*, *Oxychilus sp.*, *Phyllitis sagittata*, *Porcellio sp.*, *Pseudosinella sp.*, *Scotolemon sp.*, *Spelaeonethes sp.*, *Speonomus sp.*, *Trechus sp.*

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: ATLANTIC

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.

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).

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

Giménez de Azcárate, J. (1993a). La vegetación de la montaña caliza del oriente gallego. En: A. Pérez Alberti, L. Guitián Rivera & P. Ramil Rego (Eds.): La evolución del Paisaje en las Montañas del entorno de los Caminos Jacobeos: 133-152. Consellería de Relacións Institucionais e Portavoz do Goberno. Xunta de Galicia. Santiago de Compostela.

Giménez de Azcárate, J. (1993b). Estudio fitosociológico de la vegetación de los afloramientos calizos de Galicia. Memoria Doctoral (inéd.). Facultade de Bioloxía. Universiade Santiago de Compostela. Ramil et al. 2005. La expresión territorial de la diversidad. Paisajes y hábitats. Recursos Rurais (2005). Serie cursos 2:109-128.

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

2.3.1 Surface area of range in km2: 11708

2.3.2 Date of range determination:

2.3.3 Quality of data concerning range:

2.3.4 Range trend: Unknown (X)

2.3.5 Range trend magnitude in km2 (optional):

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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: 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: 300 - Sand and gravel extraction
420 - Discharges
620 - Outdoor sports and leisure activities
624 - mountaineering, rock climbing, speleology
720 - Trampling, overuse

2.4.11 Threats 300 - Sand and gravel extraction
420 - Discharges
620 - Outdoor sports and leisure activities
624 - mountaineering, rock climbing, speleology
720 - Trampling, overuse

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: *Asplenium billotii*, *Asplenium trichomanes*, *Campanula arbatika ssp adsurgens*, *Crepis asturica*, *Erinus alpinus*, *Leontodon farinosus*, *Petrocoptis grandiflora*

2.5.4 Typical species assessment:

2.5.5 Other relevant information (optional): Dentro de esta región biogeográfica y en Castilla y León el hábitat se encuentra 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)	

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

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2.3.1 Surface area of range in km²:

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: 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 (km²):

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: Not applicable
and/or specify:

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):

2.5.2 Favourable reference area (km²):

2.5.3 Typical Species:

2.5.4 Typical species assessment: Sin evaluar

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:

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

Giménez de Azcárate, J. (1993a). La vegetación de la montaña caliza del oriente gallego. En: A. Pérez Alberti, L. Guitián Rivera & P. Ramil Rego (Eds.): La evolución del Paisaje en las Montañas del entorno de los Caminos Jacobeos: 133-152. Consellería de

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Relacións Institucionais e Portavoz do Goberno. Xunta de Galicia. Santiago de Compostela.

Giménez de Azcárate, J. (1993b). Estudio fitosociológico de la vegetación de los afloramientos calizos de Galicia. Memoria Doctoral (inéd.). Facultade de Bioloxía. Universiade Santiago de Compostela.

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

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.

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).

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.

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

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.

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.

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 km2: | 19928 |
| 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): | 0,8 |
| 2.4.2 Date of area estimation: | 1995-2007 |
| 2.4.3 Method used for area estimation: | Based on remote sensing data (possibly including an element of ground truthing) |
| 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: | |

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and/or specify:

2.4.9 Justification of % thresholds for trends (optional):

2.4.10 Main pressures:

300 - Sand and gravel extraction
390 - Mining and extraction activities not referred to above
400 - Urbanised areas, human habitation
420 - Discharges
424 - Other discharges
600 - Sport and leisure structures
620 - Outdoor sports and leisure activities
624 - mountaineering, rock climbing, speleology
690 - Other leisure and tourism impacts not referred to above
720 - Trampling, overuse
740 - Vandalism
990 - Other natural processes

2.4.11 Threats

180 - Burning
190 - Agriculture and forestry activities not referred to above
300 - Sand and gravel extraction
390 - Mining and extraction activities not referred to above
400 - Urbanised areas, human habitation
420 - Discharges
424 - Other discharges
600 - Sport and leisure structures
620 - Outdoor sports and leisure activities
626 - skiing, off-piste
690 - Other leisure and tourism impacts not referred to above
720 - Trampling, overuse
740 - Vandalism
990 - Other natural processes

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:

Aplenium trichomanes, *Asplenium billotii*, *Balearonethes sesrodesanus*, *Campanula arbatica ssp adsurgens*, *Chroococcus spp*, *Cololejeunea spp*, *Crepis asturica*, *Duvalius balearicus*, *Erinus alpinos*, *Gloeocapsa spp*, *Homogapyx espanoli*, *Leontodon farinosus*, *Leptobitus palauii*, *Leptoneta spp*, *Limonia spp*, *Lithobius spp*, *Lithobius vivesi*, *Marchesinia mackaii*, *Miniopterus schreibersii*, *Oxychilus spp*, *Petrocoptis grandiflora*, *Phyllitis sagittata*, *Phyllitis spp*, *Polypodium spp*, *Porcellio spp*, *Pseudosinella spp*, *Rhinolophus ferruequinum*, *Roncus vidali*, *Scotolemon balearicus*, *Scotolemon spp*, *Spelaeonethes spp*, *Trechus spp*, *Trichoniscus draganii*

2.5.4 Typical species assessment:

En Castilla- La Mancha, las especies típicas han sido seleccionadas a partir de la p

2.5.5 Other relevant information (optional):

Tienen presencia en este hábitat diversas especies de quirópteros, que utilizan la

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)

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