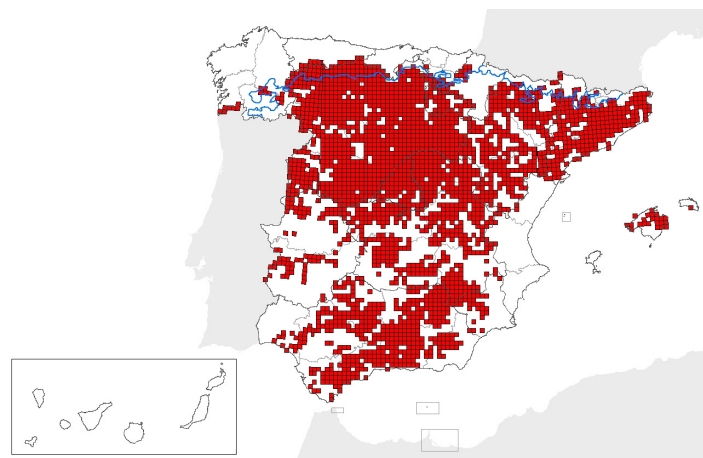


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1. National level

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 :	2424,9
2.3.2 Date of range determination:	1994-2003
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:	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):	0,88
2.4.2 Date of area estimation:	1994-2003
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:	Decreasing (-)
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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Indirect anthropo(zoo)genic influence
Natural processes
Unknown

and/or specify:

2.4.9 Justification of % thresholds for trends (optional):

2.4.10 Main pressures:

160 - General Forestry management
500 - Communication networks
510 - Energy transport
700 - Pollution
850 - Modification of hydrographic functioning, general

2.4.11 Threats

160 - General Forestry management
500 - Communication networks
510 - Energy transport
700 - Pollution
850 - Modification of hydrographic functioning, general

2.5 Complementary information

2.5.1 Favourable reference range (km2):

2424,9

Approximately equal to

2.5.2 Favourable reference area (km2):

0,48

Less than

2.5.3 Typical Species:

Convolvulus sepium, *Populus alba*, *Populus nigra*, *Rubus caesius*, *Salix alba*

2.5.4 Typical species assessment:

seleccionadas a partir del "Manual de los hábitats de Catalunya"

2.5.5 Other relevant information (optional):

Aragón: Presente en 10 Lugares, 58,57 % del hábitat conocido 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:

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

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.

Inventario Nacional de hábitats. Ministerio Medio Ambiente. 1997. Cartografía y bases de datos.

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. (1993b). Estudio fitosociológico de la vegetación de los afloramientos calizos de Galicia. Memoria Doctoral (iné.). Facultade de Biología. Universidade de Santiago de Compostela.

Gómez Manzaneque, F. (Coord.) (1997). Los bosques ibéricos. Una interpretación geobotánica. 572 pp. Ed. Planeta. Barcelona.

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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:	8696,4
2.3.2 Date of range determination:	2003-2007
2.3.3 Quality of data concerning range:	
2.3.4 Range trend:	Unknown (X)
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) 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):	225,97
2.4.2 Date of area estimation:	2003-2007
2.4.3 Method used for area estimation:	Based on expert opinion 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:	1957-2007
2.4.8 Reasons for reported trend:	Direct human influence (restoration, deterioration, destruction) Improved knowledge/more accurate data Natural processes

and/or specify:

2.4.9 Justification of % thresholds for trends (optional):

2.4.10 Main pressures:	101 - modification of cultivation practices 151 - removal of hedges and copses 165 - removal of forest undergrowth 167 - forest exploitation without replanting 811 - management of aquatic and bank vegetation for drainage purposes 830 - Canalisation 840 - Flooding 850 - Modification of hydrographic functioning, general 890 - Other human induced changes in hydraulic conditions
2.4.11 Threats	101 - modification of cultivation practices 151 - removal of hedges and copses 165 - removal of forest undergrowth 167 - forest exploitation without replanting 811 - management of aquatic and bank vegetation for drainage purposes 830 - Canalisation 840 - Flooding 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
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2.5.2 Favourable reference area (km2): 0

2.5.3 Typical Species: *Accipiter nisus*, *Agnocoris reclusae*, *Alliaria petiolata*, *Alnus glutinosa*, *Apium nodiflorum*, *Arctium minus*, *Artemisia verlotiorum*, *Asparagus officinalis*, *Bidens frondosa*, *Brachypodium sylvaticum*, *Calystegia sepium*, *Carex elata* subsp. *Reuteriana*, *Cerambyx cerdo*, *Chenopodium ambrosioides*, *Conium maculatum*, *Crataegus monogyna*, *Dendrocopos minor*, *Dorycnium rectum*, *Elymus campestris*, *Equisetum arvense*, *Eupatorium cannabinum*, *Euphorbia amygdaloides*, *Fraxinus angustifolia*, *Hedera helix*, *Humulus lupulus*, *Jynx torquilla*, *Ligustrum vulgare*, *Lithospermum officinale*, *Lucanus cervus*, *Lutra lutra*, *Lycopus europaeus*, *Lysimachia vulgaris*, *Lythrum salicaria*, *Mentha suaveolens*, *Monosynnum bohemanni*, *Mustela lutreola*, *Mustela putorius*, *Myotis daubentonii*, *Oenanthe crocata*, *Orthotilus siuranus*, *Osyris alba*, *Phalaris arundinacea*, *Poa trivialis*, *Polygonum hydropiper*, *Populus alba*, *Populus nigra*, *Remiz pendulinus*, *Rorippa palustris*, *Rosa* gr. *Canina*, *Rosa* gr. *Rubiginosa*, *Rubus caesius*, *Rubus ulmifolius*, *Rumex obtusifolius*, *Rumex pulcher*, *Salicaria roseri*, *Salix alba*, *Salix atrocinerea*, *Salix elaeagnos*, *Salix neotricha*, *Salix purpurea*, *Salix salviifolia*, *Salix triandra*, *Salix x secalliana*, *Sambucus nigra*, *Saponaria officinalis*, *Satureja ascendens*, *Solanum dulcamara*, *Solanum dulcamara.*, *Tanacetum parthenium*, *Torilis arvensis*, *Ulmus minor*, *Urtica dioica*, *Vitis sylvestris*

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:

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

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

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.

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 hábitats de España. Dirección General de Conservación de la Naturaleza, Ministerio de Medio Ambiente.

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

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).

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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.

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

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.

Gómez Manzaneque, F. (Coord.) (1997). Los bosques ibéricos. Una interpretación geobotánica. 572 pp. Ed. Planeta. Barcelona.

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:	236072
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:	1990-2007
2.3.7 Reasons for reported trend:	Direct human influence (restoration, deterioration, destruction) Indirect anthropo(zoo)genic influence 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):	337,17
2.4.2 Date of area estimation:	1992-2007
2.4.3 Method used for area estimation:	Based on expert opinion 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:	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:	1990-2007
2.4.8 Reasons for reported trend:	Direct human influence (restoration, deterioration, destruction) Indirect anthropo(zoo)genic influence Natural processes

and/or specify:

2.4.9 Justification of % thresholds for trends (optional):

2.4.10 Main pressures:	140 - Grazing 160 - General Forestry management 162 - artificial planting 167 - forest exploitation without replanting 301 - quarries 420 - Discharges
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423 - disposal of inert materials
500 - Communication networks
510 - Energy transport
621 - nautical sports
700 - Pollution
701 - water pollution
830 - Canalisation
850 - Modification of hydrographic functioning, general
852 - modifying structures of inland water courses
860 - Dumping, depositing of dredged deposits
952 - eutrophication
954 - invasion by a species
973 - introduction of disease

2.4.11 Threats

100 - Cultivation
101 - modification of cultivation practices
140 - Grazing
151 - removal of hedges and copses
162 - artificial planting
165 - removal of forest undergrowth
167 - forest exploitation without replanting
180 - Burning
300 - Sand and gravel extraction
301 - quarries
420 - Discharges
423 - disposal of inert materials
500 - Communication networks
510 - Energy transport
600 - Sport and leisure structures
620 - Outdoor sports and leisure activities
621 - nautical sports
700 - Pollution
701 - water pollution
810 - Drainage
830 - Canalisation
850 - Modification of hydrographic functioning, general
852 - modifying structures of inland water courses
860 - Dumping, depositing of dredged deposits
870 - Dykes, embankments, artificial beaches, general
890 - Other human induced changes in hydraulic conditions
948 - fire (natural)
952 - eutrophication
954 - invasion by a species
973 - introduction of disease

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:

Alliaria petiolata, *Alnus glutinosa*, *Apium nodiflorum*, *Arctium minus*,
Aristolochia longa, *Artemisia verlotiorum*, *Arum italicum*, *Asida* spp, *Asparagus*
officinalis, *Bidens frondosa*, *Brachypodium phoenicoides*, *Brachypodium*
sylvaticum, *Calystegia sepium*, *Carex elata* subsp. *Reuteriana*, *Chenopodium*
ambrosioides, *Clematis vitalba*, *Conium maculatum*, *Convolvulus sepium*,
Cornus sanguinea, *Crataegus monogyna*, *Dorycnium rectum*, *Elymus campestris*,
Equisetum arvense, *Eupatorium cannabinum*, *Euphorbia amygdaloides*, *Fraxinus*

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angustifolia, *Hedera helix*, *Humulus lupulus*, *Iris foetidissima*, *Ligustrum vulgare*, *Lithospermum officinale*, *Lithospermum purpureocaeruleum*, *Lycopus europaeus*, *Lysimachia vulgaris*, *Lythrum salicaria*, *Mentha suaveolens*, *Oenanthe crocata*, *Phalaris arundinacea*, *Platanus x hispanica*, *Poa trivialis*, *Polygonum hydropiper*, *Populus alba*, *Populus nigra*, *Ranunculus ficaria*, *Rorippa palustris*, *Rosa gr. Canina*, *Rubia tinctorum*, *Rubus caesius*, *Rubus ulmifolius*, *Rumex obtusifolius*, *Rumex pulcher*, *Salix alba*, *Salix atrocinerea*, *Salix eleagnos*, *Salix eleagnos subsp. Angustifolia*, *Salix fragilis*, *Salix neotricha*, *Salix pedicellata*, *Salix purpurea*, *Salix triandra*, *Salix triandra subsp. Discolor*, *Saponaria officinalis*, *Satureja ascendens*, *Solanum dulcamara*, *Sylvia atricapilla*, *Sylvia balearica*, *Tamarix africana*, *Tamarix gallica*, *Tamus communis*, *Tanacetum parthenium*, *Torilis arvensis*, *Ulmus minor*, *Ulmus minor minor*, *Urtica dioica*, *Vinca difformis subsp. Difformis*

- 2.5.4 Typical species assessment:
- Evaluación de las especies típicas en Catalunya seleccionadas a partir del “Manua
- 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)	