

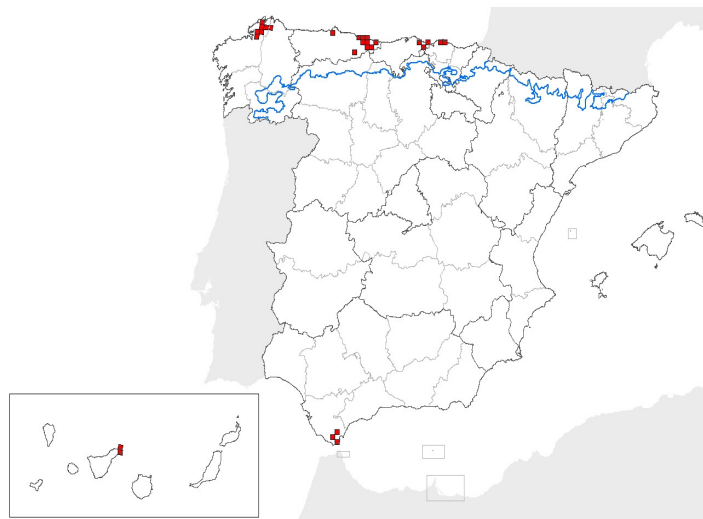
Report on the main results of the surveillance under article 11 for annex II, IV and V species (Annex B)

Culcita macrocarpa

1. National level

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

map-distribution



2. Biogeographical or marine level

2.1 Biogeographical region or marine region: **ATLANTIC**

2.2 Published sources and/or websites:

Romero, M.I. et al. (2005). Conservación de la pteridoflora amenazada en el NW Ibérico (Galicia): las especies incluidas en la Directiva Hábitats. Bull. Soc. Hist. Nat., Toulouse, 141-2: 227-231

Bañares A., Blanca G., Güemes J, Moreno J.C, Ortiz S. (2003).Atlas y libro rojo de la Flora Vascular Amenazada de España.

T.E. Diaz Gonzàlez, J.A. Fernandez Prieto, H.S. Nava Fernandez, A. Bueno Sánchez.(2003) ASTURNATURA Tercera Epoca Nº 19 <http://tematico.asturias.es/mediambi/siapa/web/especies/flora/interes/>

Gobierno de Cantabria (2006): Propuesta del Catálogo Regional de Especies de Flora Amenazadas y de interés especial. Informe inédito de la Consejería de Ganadería, Agricultura y Pesca del Gobierno de Cantabria

2.3 Range of the species type in the biogeographic region or marine region

2.3.1 Surface area of species range in km2:	1887,76
2.3.2 Date of range determination:	2003-2007
2.3.3 Quality of data concerning range:	Moderate e.g. based on partial data with some extrapolation
2.3.4 Range trend:	Stable (=)
2.3.5 Range trend magnitude in km2 (optional):	
2.3.6 Range trend period:	1990-2007
2.3.7 Reasons for reported trend:	Indirect anthropo(zoo)genic influence Natural processes

and/or specify

2.4 Population of the species in the biogeographic region or marine region

2.4.1 Population size estimation:

Population size estimation (minimum)	Population size estimation (maximum)	Population units
19	19	Number of localities

2.4.2 Date of population estimation: 2003-2007

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2.4.3 Methods used for population estimation:	Based on expert opinion	
2.4.4 Quality of data on area:	Moderate e.g. based on partial data with some extrapolation	
2.4.5 Population trend:	Stable (=)	
2.4.6 Population trend magnitude (km2):		
2.4.7 Population trend period:	1995-2007	
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:	160 General Forestry management	
	161 - forest planting	
	162 - artificial planting	
	163 - forest replanting	
	165 - removal of forest undergthreatth	
	250 Taking / Removal of flora, general	
	850 Modification of hydrographic functioning, general	
2.4.11 Threats	160 General Forestry management	
	161 - forest planting	
	162 - artificial planting	
	163 - forest replanting	
	165 - removal of forest undergthreatth	
	250 Taking / Removal of flora, general	
	850 Modification of hydrographic functioning, general	
2,5 Habitat for the species in the biogeographic region or marine region		
2.5.1 Habitats for the species:	Pendientes rocosas silíceas con vegetación casmofítica Nat-2000 8220	
2.5.2 Area estimation (km2):		
2.5.3 Date of estimation:		
2.5.4 Quality of the data:		
2.5.5 Trend of the habitat:		
2.5.6 Trend period:		
2.5.7 Reasons for reported trend:	NotApplicable	
Other (specify):		
2.6 Future prospects for the species:	Unknown	
2.7 Complementary information		
2.7.1 Favourable reference range (km2):		
2.7.2 Favourable reference population:		
2.7.3 Suitable habitat for the species (km2):		
2.7.4 Other relevant information (optional):		
Conclusion	Biogeographical or marine level	Conclusions within Natura 2000 sites (optional)
Conclusions: (2.3) Range:	Unknown (XX)	
Conclusions: (2.4) Population:	Unknown (XX)	
Conclusions: (2.5) Habitat for the species:	Unknown (XX)	
Conclusions: (2.6) Future prospects:	Unknown (XX)	

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Conclusions: Overall assessment: Unknown (XX)

2.1 Biogeographical region or marine region: MACARONESIAN

2.2 Published sources and/or websites:

Beltrán E., Wildpret W., León C., García A. & A. Reyes (1999). Libro Rojo de la Flora Canaria contenida en la Directiva-Hábitats Europea. Ministerio de Medio Ambiente. 694 pp.

Bañares A., Blanca G., Güemes J., Moreno J.C. & Ortiz S., eds. (2003). Atlas y Libro Rojo de la Flora Vascular Amenazada de España. Dirección General de Conservación de la Naturaleza. Madrid. 1072 pp

http://www.mma.es/portal/secciones/biodiversidad/inventarios/inb/flora_vascular/pdf/566.pdf

2.3 Range of the species type in the biogeographic region or marine region

- 2.3.1 Surface area of species range in km2: 200
- 2.3.2 Date of range determination: 2003
- 2.3.3 Quality of data concerning range:
- 2.3.4 Range trend: Decreasing (-)
- 2.3.5 Range trend magnitude in km2 (optional):
- 2.3.6 Range trend period: 1970-2003
- 2.3.7 Reasons for reported trend: Direct human influence (restoration, deterioration, destruction)
and/or specify

2.4 Population of the species in the biogeographic region or marine region

- 2.4.1 Population size estimation:

Population size estimation (minimum)	Population size estimation (maximum)	Population units
1699		Number of individuals
- 2.4.2 Date of population estimation: 2003
- 2.4.3 Methods used for population estimation: From comprehensive inventory
- 2.4.4 Quality of data on area: Moderate e.g. based on partial data with some extrapolation
- 2.4.5 Population trend: Stable (=)
- 2.4.6 Population trend magnitude (km2):
- 2.4.7 Population trend period: 1983-2003
- 2.4.8 Reasons for reported trend: Natural processes
and/or specify:
- 2.4.9 Justification of % thresholds for trends (optional):
- 2.4.10 Main pressures:
- 2.4.11 Threats

2,5 Habitat for the species in the biogeographic region or marine region

- 2.5.1 Habitats for the species: Comunidades forestales de monte verde en sus expresiones más húmedas, especia
- 2.5.2 Area estimation (km2): 100
- 2.5.3 Date of estimation: 2007
- 2.5.4 Quality of the data:
- 2.5.5 Trend of the habitat: Stable (=)
- 2.5.6 Trend period: 1970-2006
- 2.5.7 Reasons for reported trend: Unknown
- Other (specify):

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2.6 Future prospects for the species: Unknown

2.7 Complementary information

2.7.1 Favourable reference range (km2): Less than

2.7.2 Favourable reference population: Less than

2.7.3 Suitable habitat for the species (km2): 50

2.7.4 Other relevant information (optional):

Conclusion	Biogeographical or marine level	Conclusions within Natura 2000 sites (optional)
Conclusions: (2.3) Range:	Inadequate (U1)	
Conclusions: (2.4) Population:	Inadequate (U1)	
Conclusions: (2.5) Habitat for the species:	Inadequate but improving (U1+)	
Conclusions: (2.6) Future prospects:	Inadequate (U1)	
Conclusions: Overall assessment:	Inadequate (U1)	

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

2.2 Published sources and/or websites:

Sin especificar

2.3 Range of the species type in the biogeographic region or marine region

2.3.1 Surface area of species range in km2: 279,93

2.3.2 Date of range determination: 2006

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:

2.3.7 Reasons for reported trend: Unknown

and/or specify

2.4 Population of the species in the biogeographic region or marine region

2.4.1 Population size estimation:

Population size estimation (minimum)	Population size estimation (maximum)	Population units
0,14		Area covered by population

2.4.2 Date of population estimation: 2002-2006

2.4.3 Methods used for population estimation: From comprehensive inventory

2.4.4 Quality of data on area: Good e.g based on extensive surveys

2.4.5 Population trend: Stable (=)

2.4.6 Population trend magnitude (km2):

2.4.7 Population trend period:

2.4.8 Reasons for reported trend: Unknown

and/or specify:

2.4.9 Justification of % thresholds for trends (optional):

2.4.10 Main pressures:

140 Grazing

920 Drying out

943 - collapse of terrain, landslide

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2.4.11 Threats	140 Grazing
	920 Drying out
	943 - collapse of terrain, landslide

2,5 Habitat for the species in the biogeographic region or marine region

2.5.1 Habitats for the species:	
2.5.2 Area estimation (km2):	
2.5.3 Date of estimation:	
2.5.4 Quality of the data:	
2.5.5 Trend of the habitat:	
2.5.6 Trend period:	
2.5.7 Reasons for reported trend:	NotApplicable
Other (specify):	

2.6 Future prospects for the species:	Unknown
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2.7 Complementary information

2.7.1 Favourable reference range (km2):	
2.7.2 Favourable reference population:	
2.7.3 Suitable habitat for the species (km2):	
2.7.4 Other relevant information (optional):	

Conclusion	Biogeographical or marine level	Conclusions within Natura 2000 sites (optional)
Conclusions: (2.3) Range:	Unknown (XX)	
Conclusions: (2.4) Population:	Unknown (XX)	
Conclusions: (2.5) Habitat for the species:	Unknown (XX)	
Conclusions: (2.6) Future prospects:	Unknown (XX)	
Conclusions: Overall assessment:	Unknown (XX)	