

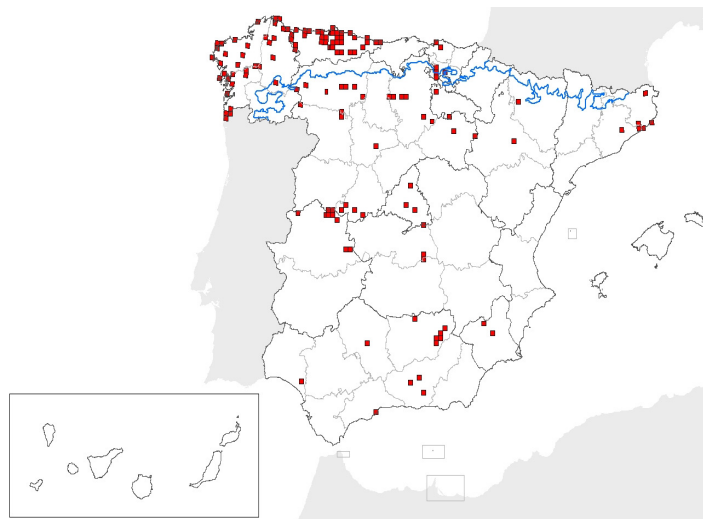
Report on the main results of the surveillance under article 11 for annex II, IV and V species (Annex B)

Coenagrion mercuriale

1. National level

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

map-distribution



2. Biogeographical or marine level

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

2.2 Published sources and/or websites:

Azpilicueta, M. (2002) La fauna de Odonatos en Galicia: Distribución, diversidad y conservación de especies amenazadas. Tesis de Licenciatura Universidad de Vigo. Vigo.

Galante, E. & Verdú, J.R. (2000). Los Artrópodos de la "Directiva Hábitat" en España. Ed. Organismo Autónomo Parques Nacionales, Ministerio de Medio Ambiente. Madrid, 247.

Nores C., García-Rovés P. (2007) Libro Rojo de la Fauna del Principado de Asturias. Consejería de Medio Ambiente Ordenación del Territorio e Infraestructuras del Principado de Asturias.

Ocharán Larrondo F.J., Anadón Alvarez M.A., Melero Cimas V.X., Monteserín Real S., Ocharán Ibarra R., Rosa García R., Vazquez Felechosa M.T. (2003) Invertebrados de la Reserva Natural Integral de Muniellos. Consejería de Medio Ambiente, Ordenación del Territorio e Infraestructuras del Principado de Asturias.

Saloña, M.I y Ocharan, F.J. 1984. Odonatos de Vizcaya. I: Zigopteros. Cuadernos de Investigación Biológica, 5: 45-56.

Valladares, L.F., García, F., Vega, F.J. y Miguélez, D. 2004. Ramos, M.A., Bragado, D. y Fernández, J. 2000. Los invertebrados no insectos de la Directiva Hábitat en España. Ministerio de Medio Ambiente.

Ocharan Larrondo, F. J. 1987. Los odonatos de Asturias y de España. Aspectos sistemáticos y faunísticos. Tesis Doctoral. Universidad de Oviedo.

Ocharan, R. y Ocharan, F.J. 2002. Odonatos del valle de Cuartango (Álava). Boletín de la Asociación Española de Entomología, 26: 97-110.

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

2.3.1 Surface area of species range in km2: 5931,22

2.3.2 Date of range determination: 1980-2007

2.3.3 Quality of data concerning range: Good e.g based on extensive surveys

2.3.4 Range trend: Unknown (X)

2.3.5 Range trend magnitude in km2 (optional):

2.3.6 Range trend period:

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2.3.7 Reasons for reported trend:	Not applicable	
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)
	61	61
		Population units
		Number of localities
2.4.2 Date of population estimation:	2006-2007	
2.4.3 Methods used for population estimation:	Based on expert opinion	
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:	1995-2007	
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:	101 - modification of cultivation practices	
	701 - water pollution	
	850 Modification of hydrographic functioning, general	
	890 Other human induced changes in hydraulic conditions	
2.4.11 Threats	101 - modification of cultivation practices	
	701 - water pollution	
	850 Modification of hydrographic functioning, general	
	890 Other human induced changes in hydraulic conditions	
2,5 Habitat for the species in the biogeographic region or marine region		
2.5.1 Habitats for the species:	Pequeños arroyos de corriente lenta, limpios y con abundante vegetación. Ríos d	
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:	Unknown (X)	
2.5.6 Trend period:		
2.5.7 Reasons for reported trend:	Unknown	
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)	

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Conclusions: (2.5) Habitat for the species:	Unknown (XX)
Conclusions: (2.6) Future prospects:	Unknown (XX)
Conclusions: Overall assessment:	Unknown (XX)

2.1 Biogeographical region or marine region: MEDITERRANEAN

2.2 Published sources and/or websites:

Azpilicueta, M. (2002) La fauna de Odonatos en Galicia: Distribución, diversidad y conservación de especies amenazadas. Tesis de Licenciatura Universidad de Vigo. Vigo.

Galante, E. & Verdú, J.R. (2000). Los Artrópodos de la "Directiva Hábitat" en España. Ed. Organismo Autónomo Parques Nacionales, Ministerio de Medio Ambiente. Madrid, 247

Valladares, L.F., García, F., Vega, F.J. y Miguélez, D. 2004. Estudio de la fauna de odonatos de los humedales de Salburua (Vitoria-Gasteiz). Centro de Estudios Ambientales del Ayuntamiento de Vitoria-Gasteiz. Informe inédito. (URL: www.vitoria-gasteiz.org/w24/documentos/801es.pdf)

ROSAS, G., RAMOS, M.A. & G.-VALDECASAS, A. 1992. Invertebrados españoles protegidos por Convenios Internacionales. ICONA, Colección Técnica. Madrid. 250 pp.

GALANTE PATIÑO, E. y VERDÚ FARACO J.R. Inventariado de las especies de invertebrados artrópodos incluidas en el Anexo II de la Directiva Habitat.

Murria, E. 2001. Determinación de las poblaciones de insectos amenazados en Aragón. Gobierno de Aragón. Dirección General del Medio Natural. Servicio de Conservación de la Biodiversidad.

Murria, E. 2002. Determinación del estado y distribución de insectos de interés comunitario y especial el Aragón. Gobierno de Aragón. Dirección General del Medio Natural. Servicio de Conservación de la Biodiversidad.

Aguado Martín, L.O. (Línea SL). 2004. Los insectos de la Directiva Hábitat en Castilla y León. Junta de Castilla y León (inédito).

Ocharan, F.J.; Ferreras, M.; Ocharan, R. y Cordero, A. 2005. Coenagrion mercuriale, Charpentier 1840. En: VERDÚ J.R. y GALANTE E., eds. 2005. Libro Rojo de los Invertebrados de España. Dirección General de Conservación de la Naturaleza, Madrid (versión online)

Especies protegidas de Extremadura: Fauna 1
Colección medio ambiente. Dirección general de Medio Ambiente. Junta de Extremadura.
En Estudio. LIFE: 2003/NAT/E/00057

Baixeras, J. 2006. Les Libèl·lules de la Comunitat Valenciana. Conselleria de Territori i Habitatge. Generalitat Valenciana.

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

2.3.1 Surface area of species range in km2:	6190,9
2.3.2 Date of range determination:	1980-2007
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 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
	64		Number of localities

2.4.2 Date of population estimation:

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2.4.3 Methods used for population estimation: Extrapolation from surveys of part of the population or from sampling

2.4.4 Quality of data on area:

2.4.5 Population trend: Unknown (X)

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:

101 - modification of cultivation practices
110 Use of pesticides
120 Fertilisation
160 General Forestry management
161 - forest planting
162 - artificial planting
163 - forest replanting
165 - removal of forest undergrowth
166 - removal of dead and dying trees
167 - forest exploitation without replanting
240 Taking / Removal of fauna, general
241 - collection (insects, reptiles, amphibians.....)
400 Urbanised areas, human habitation
401 - continuous urbanisation
402 - discontinuous urbanisation
403 - dispersed habitation
420 Discharges
500 Communication networks
700 Pollution
701 - water pollution
702 - air pollution
703 - soil pollution
720 Trampling, overuse
800 Landfill, land reclamation and drying out, general
820 Removal of sediments (mud...)
830 Canalisation
850 Modification of hydrographic functioning, general
890 Other human induced changes in hydraulic conditions
920 Drying out
948 - fire (natural)
954 - invasion by a species

2.4.11 Threats

101 - modification of cultivation practices
110 Use of pesticides
160 General Forestry management
161 - forest planting
162 - artificial planting
163 - forest replanting
165 - removal of forest undergrowth
166 - removal of dead and dying trees
167 - forest exploitation without replanting
240 Taking / Removal of fauna, general
241 - collection (insects, reptiles, amphibians.....)
400 Urbanised areas, human habitation

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- 401 - continuous urbanisation
- 402 - discontinuous urbanisation
- 403 - dispersed habitation
- 420 Discharges
- 500 Communication networks
- 700 Pollution
- 701 - water pollution
- 702 - air pollution
- 703 - soil pollution
- 800 Landfill, land reclamation and drying out, general
- 820 Removal of sediments (mud...)
- 830 Canalisation
- 850 Modification of hydrographic functioning, general
- 890 Other human induced changes in hydraulic conditions
- 920 Drying out
- 948 - fire (natural)
- 954 - invasion by a species

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

2.5.1 Habitats for the species:	Especie reófila, de arroyos corrientes, cursos estrechos y aguas frías, rara vez en
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:	Unknown (X)
2.5.6 Trend period:	
2.5.7 Reasons for reported trend:	Unknown
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:	Bad (U2)	
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:	Bad (U2)	