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

0.1 Member State	**IT**
0.2.1 Species code	**1044**
0.2.2 Species name	**Coenagrion mercuriale**
0.2.3 Alternative species scientific name	N/A
0.2.4 Common name	N/A

1. National Level

1.1 Maps

1.1.1 Distribution Map	Yes
1.1.1a Sensitive species	No
1.1.2 Method used - map	Complete survey/Complete survey or a statistically robust estimate (3)
1.1.3 Year or period	1985-2012
1.1.4 Additional map	No
1.1.5 Range map	Yes

2. Biogeographical Or Marine Level

2.1 Biogeographical Region

Mediterranean (MED)

2.2 Published sources

The present species assessment (fields 0.1-2.9) has been compiled by Anna Alonzi, Piero Genovesi, Francesca Ronchi (ISPRA - Institute for Environmental Protection and Research). Information, unpublished data and experts' judgments have been provided by: Alex Festi, Cristina Grieco, Sonke Hardersen, Federico Landi e Elisa Riservato (Odonata.it)
Distribution data for the following Nature 2000 sites have been inserted by the Ministry of Environment (source: Italian Nature 2000 database): IT9110001
Distribution data for the following grid cells have been inserted by the Ministry of Environment: 10kmE448N222

Database del repertorio Naturalistico Toscano

F. Mastropasqua et al. Il progetto “atlanti regionali” di Puglia e Basilicata: un esperimento di condivisione online. Atti del I Convegno della Società Italiana per lo studio e la conservazione delle libellule. Govorrano (GR) 9-10/10/2010
Ruffo S., Stock F. (eds.) 2005. Checklist e distribuzione della fauna italiana. Memorie del Museo Civico di Storia aturale di Verona, 2.serie, sezione Scienze della vita 16.

Dipartimento di Biologia Cellulare e Ambientale-Università degli Studi di Perugia

AA.VV.2008. Attuazione della Direttiva Habitat e stato di canservazione di habitat e specie in Italia. Ministero dell'Ambiente e della Tutela del Territorio e del Mare. 48pp.

Database “ODONATA.IT”

2.3 Range

2.3.1 Surface area - Range (km²)	16100
2.3.2 Method - Range surface area	Estimate based on partial data with some extrapolation and/or modelling (2)
2.3.3 Short-term trend period	2001-2012

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2.3.4 Short-term trend direction	stable (0)		
2.3.5 Short-term trend magnitude	min	max	
2.3.6 Long-term trend period			
2.3.7 Long-term trend direction	N/A		
2.3.8 Long-term trend magnitude	min	max	
2.3.9 Favourable reference range	area (km²)		
	operator	approximately equal to (≈)	
	unkown	No	
	method	Expert opinion	
2.3.10 Reason for change	Improved knowledge/more accurate dataUse of different method		

2.4 Population

2.4.1 Population size (individuals or agreed exception)	Unit	N/A		
	min		max	
2.4.2 Population size (other than individuals)	Unit	number of map 10x10 km grid cells (grids10x10)		
	min	104	max	104
2.4.3 Additional information	Definition of locality			
	Conversion method	not available		
	Problems	it is impossible to convert grids into individuals		
2.4.4 Year or period	1985-2012			
2.4.5 Method – population size	Estimate based on partial data with some extrapolation and/or modelling (2)			
2.4.6 Short-term trend period	2001-2012			
2.4.7 Short term trend direction	stable (0)			
2.4.8 Short-term trend magnitude	min	max	confidence interval	
2.4.9 Short-term trend method	Estimate based on partial data with some extrapolation and/or modelling (2)			
2.4.10 Long-term trend period				
2.4.11 Long term trend direction	N/A			
2.4.12 Long-term trend magnitude	min	max	confidence interval	
2.4.13 Long-term trend method	N/A			
2.4.14 Favourable reference population	number			
	operator	approximately equal to (≈)		
	unknown	No		
	method	Expert opinion		
2.4.15 Reason for change	Improved knowledge/more accurate data Use of different method			

2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km²)	
2.5.2 Year or period	
2.5.3 Method used - habitat	Absent data (0)
2.5.4 a) Quality of habitat	Good
2.5.4 b) Quality of habitat - method	Expert opinion
2.5.5 Short term trend period	2001-2012
2.5.6 Short term trend direction	stable (0)
2.5.7 Long-term trend period	
2.5.8 Long term trend direction	N/A
2.5.9 Area of suitable habitat (km²)	
2.5.10 Reason for change	Improved knowledge/more accurate data Use of different method

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

2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
reduction or loss of specific habitat features (J03.01)	high importance (H)	N/A
Biocenotic evolution, succession (K02)	high importance (H)	N/A
agricultural intensification (A02.01)	medium importance (M)	N/A
annual and perennial non-timber crops (A06)	medium importance (M)	N/A
use of biocides, hormones and chemicals (A07)	low importance (L)	N/A
forest planting on open ground (B01)	low importance (L)	N/A
Urbanised areas, human habitation (E01)	low importance (L)	N/A
Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01)	medium importance (M)	N/A
Landfill, land reclamation and drying out, general (J02.01)	high importance (H)	N/A
Modification of hydrographic functioning, general (J02.05)	high importance (H)	N/A
Water abstractions from surface waters (J02.06)	high importance (H)	N/A
management of aquatic and bank vegetation for drainage purposes (J02.10)	medium importance (M)	N/A

2.6.1 Method used – pressures: mainly based on expert judgement and other data (2)

2.7 Main Threats

Threat	ranking	pollution qualifier(s)
agricultural intensification (A02.01)	medium importance (M)	N/A
annual and perennial non-timber crops (A06)	medium importance (M)	N/A
use of biocides, hormones and chemicals (A07)	low importance (L)	N/A
forest planting on open ground (B01)	low importance (L)	N/A
Urbanised areas, human habitation (E01)	low importance (L)	N/A
Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01)	medium importance (M)	N/A
Landfill, land reclamation and drying out, general (J02.01)	high importance (H)	N/A
Water abstractions from surface waters (J02.06)	high importance (H)	N/A
management of aquatic and bank vegetation for drainage purposes (J02.10)	high importance (H)	N/A
Biocenotic evolution, succession (K02)	high importance (H)	N/A
Modification of hydrographic functioning, general (J02.05)	high importance (H)	N/A

2.7.1 Method used – threats: expert opinion (1)

2.8 Complementary Information

2.8.1 Justification of % thresholds for trends

2.8.2 Other relevant Information

2.8.3 Trans-boundary assessment

2.9 Conclusions (assessment of conservation status at end of reporting period)

2.9.1 Range

assessment: Favourable (FV)

qualifiers: N/A

2.9.2. Population	assessment	Favourable (FV)
	qualifiers	N/A
2.9.3. Habitat	assessment	Favourable (FV)
	qualifiers	N/A
2.9.4. Future prospects	assessment	Favourable (FV)
	qualifiers	N/A
2.9.5 Overall assessment of Conservation Status		Favourable (FV)
2.9.5 Overall trend in Conservation Status		N/A

3. Natura 2000 coverage and conservation measures - Annex II species

3.1 Population

3.1.1 Population Size	Unit	N/A	
	min		max
3.1.2 Method used	Absent data (0)		
3.1.3 Trend of population size within	N/A		

3.2 Conversation Measures

3.2.1 Measure	3.2.2 Type	3.2.3 Ranking	3.2.4 Location	3.2.5 Broad Evaluation
Restoring/improving the hydrological regime (4.2)	Recurrent	high importance (H)	Inside	Maintain

2. Biogeographical Or Marine Level

2.1 Biogeographical Region

Continental (CON)

2.2 Published sources

The present species assessment (fields 0.1-2.9) has been compiled by Anna Alonzi, Piero Genovesi, Francesca Ronchi (ISPRA - Institute for Environmental Protection and Research). Information, unpublished data and experts' judgments have been provided by: Alex Festi, Cristina Grieco, Sonke Hardersen, Federico Landi e Elisa Riservato (Odonata.it)

- Banche Dati Naturalistiche Regionali Piemonte + Banca Dati IPLA
- Banca Dati Regionale Emilia Romagna
- Università degli Studi di Perugia - Dipartimento di Biologia Cellulare e Ambientale

RP -Ckmap - Checklist and distribution of the Italian Fauna (http://www.minambiente.it/index.php?id_sezione=1930)
Natura 2000 Standard data form. Advising and supervision: UZI - Unione Zoologica Italiana

AA.VV.2008. Attuazione della Direttiva Habitat e stato di canservazione di habitat e specie in Italia. Ministero dell'Ambiente e della Tutela del Territorio e del Mare. 48pp.

Database “ODONATA.IT”

2.3 Range

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2.3.1 Surface area - Range (km²)	4500
2.3.2 Method - Range surface area	Estimate based on partial data with some extrapolation and/or modelling (2)
2.3.3 Short-term trend period	2001-2012
2.3.4 Short-term trend direction	decrease (-)
2.3.5 Short-term trend magnitude	min max
2.3.6 Long-term trend period	
2.3.7 Long-term trend direction	N/A
2.3.8 Long-term trend magnitude	min max
2.3.9 Favourable reference range	area (km²) operator: approximately equal to (≈) unkown: No method: Expert opinion
2.3.10 Reason for change	Improved knowledge/more accurate dataUse of different method

2.4 Population

2.4.1 Population size (individuals or agreed exception)	Unit N/A min max
2.4.2 Population size (other than individuals)	Unit number of map 10x10 km grid cells (grids10x10) min 30 max 30
2.4.3 Additional information	Definition of locality Conversion method: not available Problems: it is impossible to convert grids into individuals
2.4.4 Year or period	1985-2012
2.4.5 Method – population size	Estimate based on partial data with some extrapolation and/or modelling (2)
2.4.6 Short-term trend period	2001-2012
2.4.7 Short term trend direction	decrease (-)
2.4.8 Short-term trend magnitude	min max confidence interval
2.4.9 Short-term trend method	Estimate based on partial data with some extrapolation and/or modelling (2)
2.4.10 Long-term trend period	
2.4.11 Long term trend direction	N/A
2.4.12 Long-term trend magnitude	min max confidence interval
2.4.13 Long-term trend method	N/A
2.4.14 Favourable reference population	number operator: more than (>) unknown: No method: Expert opinion
2.4.15 Reason for change	Improved knowledge/more accurate data Use of different method

2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km²)	
2.5.2 Year or period	
2.5.3 Method used - habitat	Absent data (0)
2.5.4 a) Quality of habitat	Moderate
2.5.4 b) Quality of habitat - method	Expert opinion
2.5.5 Short term trend period	2001-2012
2.5.6 Short term trend direction	decrease (-)
2.5.7 Long-term trend period	

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2.5.8 Long term trend direction	N/A
2.5.9 Area of suitable habitat (km²)	
2.5.10 Reason for change	Improved knowledge/more accurate data Use of different method

2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
agricultural intensification (A02.01)	medium importance (M)	N/A
annual and perennial non-timber crops (A06)	medium importance (M)	N/A
use of biocides, hormones and chemicals (A07)	low importance (L)	N/A
forest planting on open ground (B01)	low importance (L)	N/A
Urbanised areas, human habitation (E01)	low importance (L)	N/A
Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01)	medium importance (M)	N/A
Landfill, land reclamation and drying out, general (J02.01)	high importance (H)	N/A
infilling of ditches, dykes, ponds, pools, marshes or pits (J02.01.03)	high importance (H)	N/A
Modification of hydrographic functioning, general (J02.05)	high importance (H)	N/A
Water abstractions from surface waters (J02.06)	high importance (H)	N/A
management of aquatic and bank vegetation for drainage purposes (J02.10)	high importance (H)	N/A
Biocenotic evolution, succession (K02)	medium importance (M)	N/A

2.6.1 Method used – pressures	mainly based on expert judgement and other data (2)

2.7 Main Threats

Threat	ranking	pollution qualifier(s)
use of biocides, hormones and chemicals (A07)	low importance (L)	N/A
forest planting on open ground (B01)	low importance (L)	N/A
Urbanised areas, human habitation (E01)	low importance (L)	N/A
Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01)	medium importance (M)	N/A
Landfill, land reclamation and drying out, general (J02.01)	high importance (H)	N/A
infilling of ditches, dykes, ponds, pools, marshes or pits (J02.01.03)	high importance (H)	N/A
Modification of hydrographic functioning, general (J02.05)	high importance (H)	N/A
Water abstractions from surface waters (J02.06)	high importance (H)	N/A
management of aquatic and bank vegetation for drainage purposes (J02.10)	high importance (H)	N/A
Biocenotic evolution, succession (K02)	medium importance (M)	N/A
agricultural intensification (A02.01)	medium importance (M)	N/A
annual and perennial non-timber crops (A06)	medium importance (M)	N/A

2.7.1 Method used – threats	expert opinion (1)

2.8 Complementary Information

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

2.8.1 Justification of % thresholds for trends	
2.8.2 Other relevant Information	
2.8.3 Trans-boundary assessment	

2.9 Conclusions (assessment of conservation status at end of reporting period)

2.9.1 Range	assessment	Inadequate (U1)
	qualifiers	declining (-)
2.9.2. Population	assessment	Inadequate (U1)
	qualifiers	declining (-)
2.9.3. Habitat	assessment	Inadequate (U1)
	qualifiers	declining (-)
2.9.4. Future prospects	assessment	Inadequate (U1)
	qualifiers	declining (-)
2.9.5 Overall assessment of Conservation Status		Inadequate (U1)
2.9.5 Overall trend in Conservation Status		declining (-)

3. Natura 2000 coverage and conservation measures - Annex II species

3.1 Population

3.1.1 Population Size	Unit	N/A	
	min		max
3.1.2 Method used	Absent data (0)		
3.1.3 Trend of population size within	N/A		

3.2 Conversation Measures

3.2.1 Measure	3.2.2 Type	3.2.3 Ranking	3.2.4 Location	3.2.5 Broad Evaluation
No measure known/ impossible to carry out specific measures (1.3)		()		