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	**4027**
0.2.2 Species name	**Arytrura musculus**
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	Estimate based on expert opinion with no or minimal sampling (1)
1.1.3 Year or period	2007-2012
1.1.4 Additional map	No
1.1.5 Range map	Yes

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 Fabio Stoch (on behalf ot the Comitato Scientifico per la Fauna d'Italia) and Anna Alonzi, Piero Genovesi, Francesca Ronchi (ISPRA). Information, unpublished data and expert judgements have been provided by Alberto Zilli (Rome). Huemer P., Morandini C., 2005. Wetlands habitats in Friuli Venezia Giulia: relict areas of biodiversity for Lepidoptera. Gortania, 27: 137-226. Bertaccini E., Fiumi G., Parenzan P., Zilli A., 2008. Lepidotteri Eteroceri d'Italia. Noctuidae 1. Calpinae-Catocalinae. Natura Edizioni Scientifiche, Bologna, 287 pp.

2.3 Range

2.3.1 Surface area - Range (km²)	200	
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	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)	1000
	operator	N/A
	unkown	No
	method	Expert opinion based on the area including all relict wetlands in Friuli plain
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

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2.4.2 Population size (other than individuals)	Unit: number of localities (localities) min: 2 max: 2
2.4.3 Additional information	Definition of locality: Site where a population was observed Conversion method: Problems: it is impossible to convert grids into individuals
2.4.4 Year or period	2005-2012
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	unknown (x)
2.4.8 Short-term trend magnitude	min: max: confidence interval:
2.4.9 Short-term trend method	Estimate based on expert opinion with no or minimal sampling (1)
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: N/A unknown: Yes method: Expert opinion
2.4.15 Reason for change	

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 based on data from Friuli Venezia giulia region
2.5.5 Short term trend period	2001-2012
2.5.6 Short term trend direction	decrease (-)
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	Genuine

2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
use of biocides, hormones and chemicals (A07)	high importance (H)	N/A
removal of stone walls and embankments (A10.02)	medium importance (M)	N/A
forestry clearance (B02.02)	high importance (H)	N/A
use of biocides, hormones and chemicals (forestry) (B04)	high importance (H)	N/A
paths, tracks, cycling tracks (D01.01)	medium importance (M)	N/A
roads, motorways (D01.02)	medium importance (M)	N/A
discontinuous urbanisation (E01.02)	medium importance (M)	N/A
dispersed habitation (E01.03)	medium importance (M)	N/A

Outdoor sports and leisure activities, recreational activities (G01)	low importance (L)	N/A
intensive maintenance of public parks /cleaning of beaches (G05.05)	low importance (L)	N/A
large scale water deviation (J02.03.01)	low importance (L)	N/A
modifying structures of inland water courses (J02.05.02)	low importance (L)	N/A
anthropogenic reduction of habitat connectivity (J03.02)	high importance (H)	N/A
droughts and less precipitations (M01.02)	medium importance (M)	N/A

2.6.1 Method used – pressures: based only on expert judgements (1)

2.7 Main Threats

Threat	ranking	pollution qualifier(s)
use of biocides, hormones and chemicals (A07)	high importance (H)	N/A
use of biocides, hormones and chemicals (forestry) (B04)	high importance (H)	N/A
anthropogenic reduction of habitat connectivity (J03.02)	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: Species discovered only recently in Friuli Venezia Giulia region, where relict population are present in a fragmented habitat distributed in the planitial area along a set of resurgences

2.8.3 Trans-boundary assessment:

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

2.9.1 Range
assessment Bad (U2)
qualifiers stable (=)

2.9.2. Population
assessment Inadequate (U1)
qualifiers unknown (x)

2.9.3. Habitat
assessment Bad (U2)
qualifiers declining (-)

2.9.4. Future prospects
assessment Bad (U2)
qualifiers improving (+)

2.9.5 Overall assessment of Conservation Status: Bad (U2)

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

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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)		()		