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	**1089**
0.2.2 Species name	**Morimus funereus**
0.2.3 Alternative species scientific name	Morimus asper s.l.
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 partial data with some extrapolation and/or modelling (2)
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 Information, unpublished data and expert judgements have been provided by Paolo Audisio (Rome).

Campanaro A., Bardiani M., Spada L., Carnevali L., Montalto F., Antonini G., Mason F., Audisio P., 2011. Linee Guida per il monitoraggio e la conservazione dell'entomofauna saproxilica/ Guidelines for monitoring and conservation of saproxylic insects. Cierre Grafica, Verona, 8 pp. + CD-ROM.
MUSEO FRIULANO DI STORIA NATURALE, 2011. Lo stato di conoscenza e di conservazione di alcune specie
animali di interesse comunitario in Friuli Venezia Giulia. Relazione inedita all'Amministrazione della Regione
Friuli Venezia Giulia, Udine (Novembre 2011): 1-194.
Solano E., Mancini E., Ciucci P., Mason F., Audisio P., Antonini G., 2013. The EU protected taxon Morimus funereus Mulsant, 1862 (Coleoptera: Cerambycidae) and its western Palaearctic allies: systematics and conservation outcomes. Conservation Genetics, DOI 10.1007/s10592-013-0461-3.

2.3 Range

2.3.1 Surface area - Range (km²)	3000	
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)	
	operator	approximately equal to (≈)
	unkown	No
	method	Expert opinion

2.3.10 Reason for change	Use 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	19	max	19
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	2007-2012			
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
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

2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
forestry clearance (B02.02)	medium importance (M)	N/A
removal of dead and dying trees (B02.04)	high importance (H)	N/A
burning down (J01.01)	medium importance (M)	N/A

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

2.7 Main Threats

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

Threat	ranking	pollution qualifier(s)
forestry clearance (B02.02)	medium importance (M)	N/A
removal of dead and dying trees (B02.04)	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	Following Solano et al. (2013, see 2.2), the currently accepted five W Palaearctic species of Morimus may actually represent a single, genetically and morphologically variable biological species (M. asper), of which M. funereus may represent no more than a morph. Waiting for a definitive taxonomic revision of the taxon, the status of M. funereus is used herein as reported in the Habitat directive.
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	Unknown (XX)
	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
No measure known/ impossible to carry out specific measures (1.3)		()		

2. Biogeographical Or Marine Level

2.1 Biogeographical Region	**Alpine (ALP)**
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 Paolo Audisio (Rome).

Campanaro A., Bardiani M., Spada L., Carnevali L., Montalto F., Antonini G., Mason F., Audisio P., 2011. Linee Guida per il monitoraggio e la conservazione dell'entomofauna saproxilica/ Guidelines for monitoring and conservation of saproxylic insects. Cierre Grafica, Verona, 8 pp. + CD-ROM.
MUSEO FRIULANO DI STORIA NATURALE, 2011. Lo stato di conoscenza e di conservazione di alcune specie
animali di interesse comunitario in Friuli Venezia Giulia. Relazione inedita all'Amministrazione della Regione
Friuli Venezia Giulia, Udine (Novembre 2011): 1-194.
Solano E., Mancini E., Ciucci P., Mason F., Audisio P., Antonini G., 2013. The EU protected taxon Morimus funereus Mulsant, 1862 (Coleoptera: Cerambycidae) and its western Palaearctic allies: systematics and conservation outcomes. Conservation Genetics, DOI 10.1007/s10592-013-0461-3.

2.3 Range

2.3.1 Surface area - Range (km²)	2300		
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)		
	operator	approximately equal to (≈)	
	unkown	No	
	method	Expert opinion	
2.3.10 Reason for change	Use 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	14	max	14
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	2007-2012			
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			

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

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	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

2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
forestry clearance (B02.02)	medium importance (M)	N/A
removal of dead and dying trees (B02.04)	medium importance (M)	N/A
burning down (J01.01)	low importance (L)	N/A

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

2.7 Main Threats

Threat	ranking	pollution qualifier(s)
forestry clearance (B02.02)	medium importance (M)	N/A
removal of dead and dying trees (B02.04)	medium importance (M)	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	Following Solano et al. (2013, see 2.2), the currently accepted five W Palaearctic species of Morimus may actually represent a single, genetically and morphologically variable biological species (M. asper), of which M. funereus may represent no more than a morph. Waiting for a definitive taxonomic revision of the taxon, the status of M. funereus is used herein as reported in the Habitat directive.
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

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

2.9.2. Population	assessment	Unknown (XX)
	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
No measure known/ impossible to carry out specific measures (1.3)		()		