

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	1062
0.2.2 Species name	Melanargia arge
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 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

Mediterranean (MED)

2.2 Published sources

The present species assessment (fields 0.1-2.9) has been compiled by Fabio Stoch (on behalf of 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 Information, unpublished data and expert judgements have been provided by Emilio Balletto and Simona Bonelli (Torino).

D'Aniello B., Stanislao I., Bonelli S., Balletto E., 2011. Haying and grazing effects on the butterfly communities of two Mediterranean-area grasslands. Biodiversity

2.3 Range

2.3.1 Surface area - Range (km ²)	68700
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 (km ²) 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 183 max 183
2.4.3 Additional information	Definition of locality

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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

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

number

population

operator approximately equal to (≈)

unknown No

method Expert opinion partially based on field survey

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 partially based on field survey

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)
abandonment of pastoral systems, lack of grazing (A04.03)	medium importance (M)	N/A
dispersed habitation (E01.03)	low importance (L)	N/A
Outdoor sports and leisure activities, recreational activities (G01)	low importance (L)	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)
abandonment of pastoral systems, lack of grazing (A04.03)	medium importance (M)	N/A
dispersed habitation (E01.03)	low importance (L)	N/A
Outdoor sports and leisure activities, recreational activities (G01)	low importance (L)	N/A

2.7.1 Method used – threats

expert opinion (1)

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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 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
Specific single species or species group management measures (7.4)	One-off	high importance (H)	Inside	Maintain Enhance Long term

Species name: Melanargia arge (1062) Region code: MED

Field label	Note	User
2.3.1 Surface area - Range (km²)	The area of the range (2.3.1) has been calculated also summing up the grid cells of species' presence in the adjacent biogeographical region of marginal presence. Only cells entirely overlapped to the marginal area have been summed up, in order to avoid an overestimation of the overall species' range.	ISPRA_AUNA



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