



Euphydryas aurinia

Annex	II
Priority	No
Species group	Arthropods
Regions	Alpine, Atlantic, Black Sea, Boreal, Continental, Mediterranean, Pannonian

The Marsh Fritillary (*Euphydryas aurinia*) occurs in very different types of habitat, like moist, sheltered grasslands, along the edges of raised bogs and on dry, calcareous grasslands. This is a very variable species with many subspecies. Habitats: humid grasslands and tall herb communities, mesophile grasslands, dry calcareous grasslands and steppes, broad-leaved deciduous forests, heath and scrub, alpine and subalpine grasslands. This species occurs from Europe through Siberia to Korea.

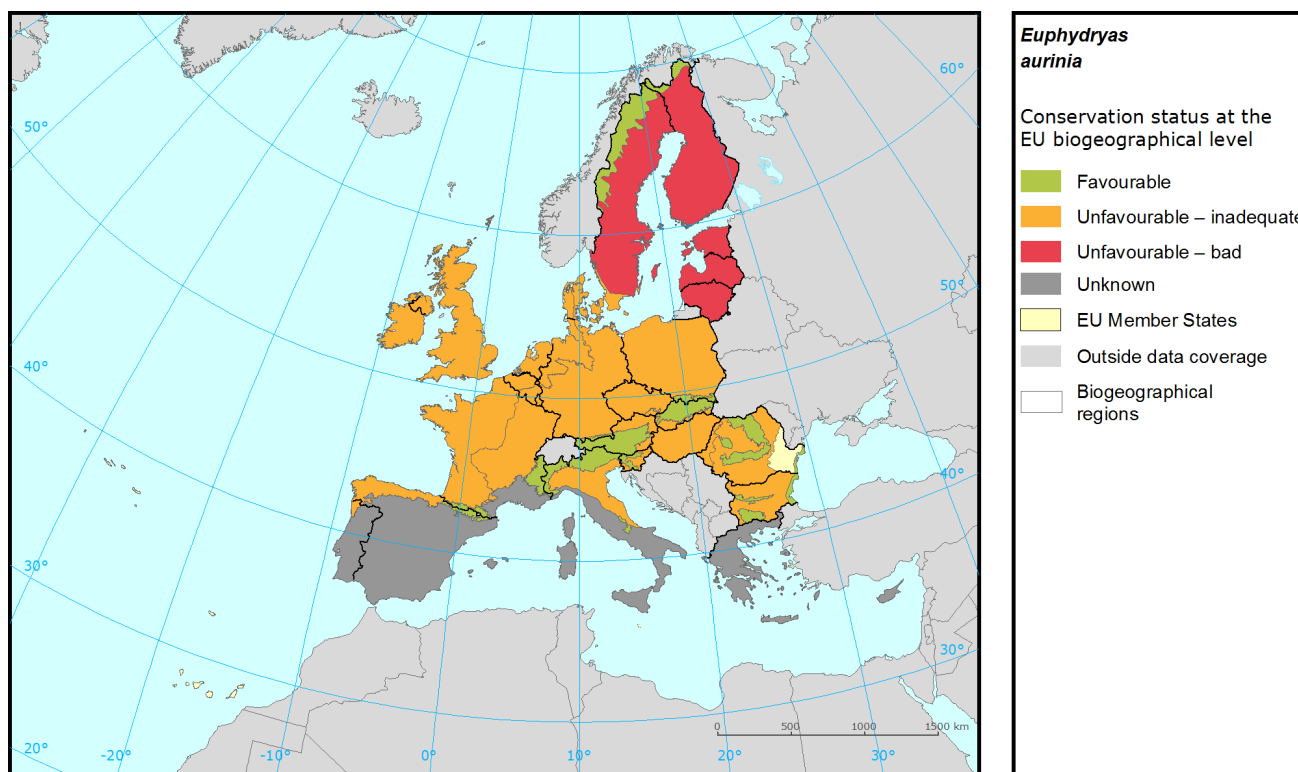
The conservation status is favourable in Alpine (improving from unfavourable-inadequate) Black Sea (improving from unknown) bioregions, unfavourable-inadequate in Atlantic, Continental (both improving from unfavourable-bad) and Pannonian (same as previous) bioregions, unfavourable-bad in Boreal bioregion (deteriorating from unfavourable-inadequate), unknown in Mediterranean bioregion (same as previous).

IUCN Red List Status Europe: Least concern, EU: Least concern. The species is listed on the Habitats Directive Annex 2. Although this species shows a decline in a part of its European range, it is not believed to face major threats at the European scale. In countries where the species is in decline important habitats should be protected and managed.

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Assessment of conservation status at the European biogeographical level

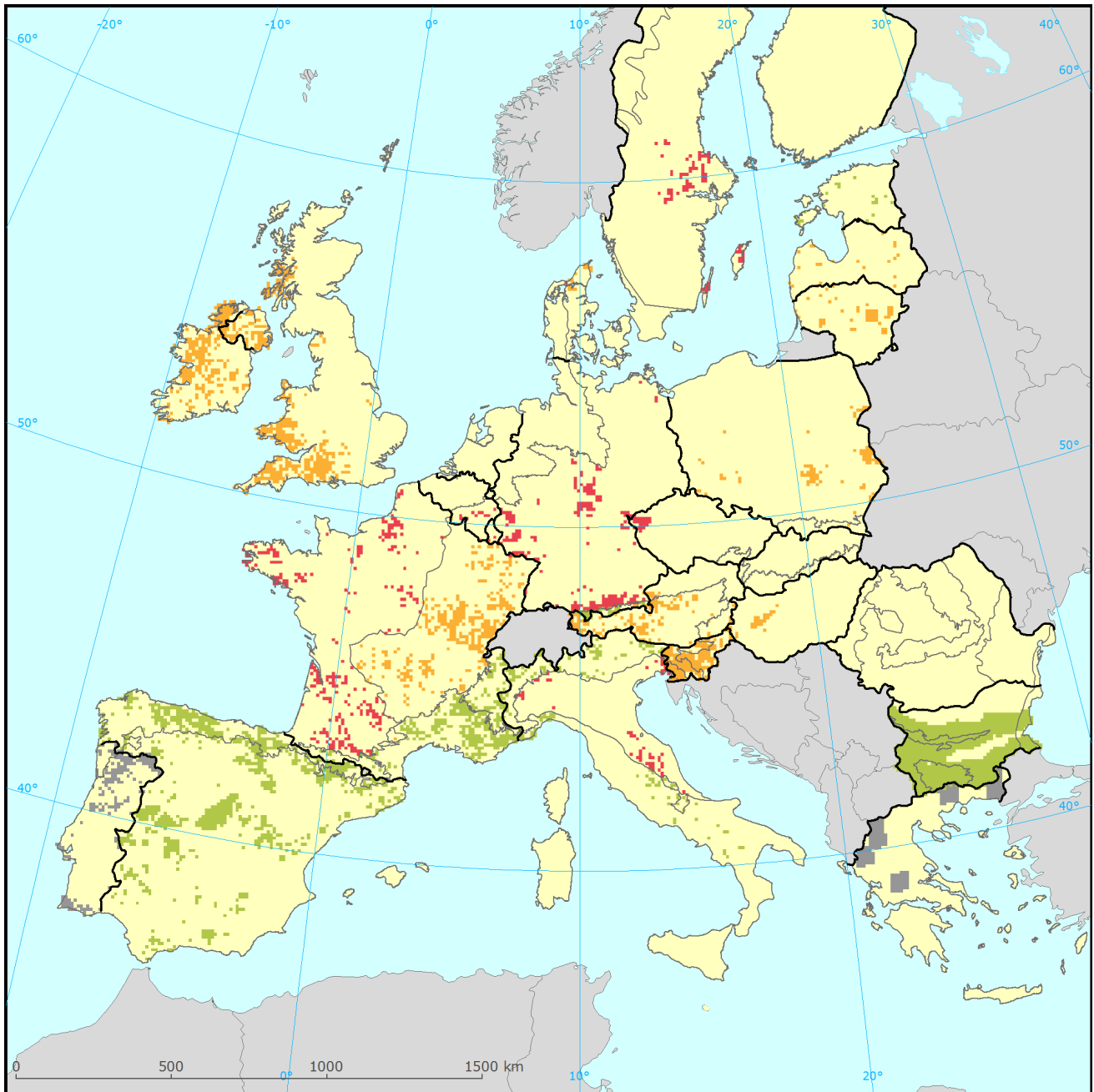


Region	Conservation status (CS) of parameters				Current CS	Trend in CS	% in region	Previous CS	Reason for change
	Range	Population	Habitat	Future prospects					
ALP	FV	FV	FV	XX	FV	=	13	U1	Not genuine
ATL	U1	U1	XX	U1	U1	-	24	U2	Not genuine
BLS	FV	FV	FV	FV	FV	=	1	XX	Not genuine
BOR	U1	U2	U1	U2	U2	-	4	U1	Not genuine
CON	U1	U1	U1	U1	U1	-	30	U2	Not genuine
MED	XX	XX	XX	XX	XX	x	26	XX	
PAN	FV	U1	U1	U1	U1	x	0.57	U1	

See the endnote for more informationⁱ

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Assessment of conservation status at the Member State level



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Distribution and conservation status at the Member State level

- | | |
|---------------------------|------------------------|
| Favourable | EU Member States |
| Unfavourable – inadequate | Outside data coverage |
| Unfavourable – bad | Biogeographical region |
| Unknown | |

The map shows both Conservation Status and distribution using a 10 km x 10 km grid. Conservation status is assessed at biogeographical level. Therefore the representation in each grid cell is only illustrative.

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MS	Region	Conservation status of parameters				Current CS	Trend in CS	% in region	Previous CS	Reason for change
		Range	Population	Habitat	Future prospects					
AT	ALP	U1	U1	U1	U1	U1	=	18.0	U1	Better data
BG	ALP	FV	FV	FV	FV	FV		29.7		
DE	ALP	FV	FV	FV	FV	FV		5.1	FV	
ES	ALP	FV	FV	FV	XX	FV		9.1	U1	Changed method
FR	ALP	FV	FV	FV	XX	FV		13.5	FV	
IT	ALP	FV	FV	FV	FV	FV		15.3	FV	
PL	ALP	U1	U1	FV	U1	U1	x	0.2	XX	Better data
RO	ALP	FV	U1	U1	U1	U1				
SI	ALP	U1	U1	U1	U1	U1	-	9.2	U1	
DK	ATL	U2	U2	XX	U2	U2	x		U2	
ES	ATL	FV	FV	FV	XX	FV		18.7	XX	Changed method
FR	ATL	U1	U1	U1	U2	U2	=	23.2	U2	
IE	ATL	FV	U1	FV	U1	U1	-	21.1	U1	Genuine
PT	ATL	XX	XX	XX	XX	XX		1.4	U1	Changed method
UK	ATL	U1	FV	XX	U1	U1	=	35.5	U2	Changed method
BG	BLS	FV	FV	FV	FV	FV		100.0		
EE	BOR	FV	FV	FV	XX	FV		10.3	U1	Better data
FI	BOR	U1	U1	U1	U1	U1	-	10.3	U1	
LT	BOR	FV	XX	U1	XX	U1	x	27.2	U1	
LV	BOR	XX	XX	U1	XX	U1	x	12.0	FV	Better data
SE	BOR	U2	U2	U1	U2	U2	-	40.2	U2-	
AT	CON	U1	U1	U1	U1	U1	-	1.2	U2	Better data
BE	CON	U2	U2	U2	U2	U2	-	0.9	U2	
BG	CON	FV	FV	FV	FV	FV		40.7		
CZ	CON	U2	U2	U1	U1	U2	-	1.5	U2	
DE	CON	U2	U2	U2	U2	U2	-	13.1	U2	Genuine
DK	CON	U1	U1	U1	U1	U1	+	1.0	U2+	Better data
FR	CON	FV	XX	U1	U1	U1	=	24.4	U1	
IT	CON	FV	U1	U2	U2	U2	-	3.8	U2	Changed method
LU	CON	U2	U2	U2	XX	U2	-	0.1	U2	Genuine
PL	CON	U1	U1	U1	U1	U1	-	6.3	U1	
RO	CON	FV	U1	U1	U1	U1				
SE	CON	FV	FV	FV	FV	FV			FV	
SI	CON	U1	U1	U1	U1	U1	-	6.9	U1	

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MS	Region	Conservation status of parameters				Current CS	Trend in CS	% in region	Previous CS	Reason for change
		Range	Population	Habitat	Future prospects					
ES	MED	FV	FV	FV	XX	FV		50.0	XX	Changed method
FR	MED	FV	FV	FV	XX	FV		17.7	FV	
GR	MED	XX	XX	XX	XX	XX		14.0	XX	
IT	MED	FV	FV	FV	FV	FV		4.7	U1	Changed method
PT	MED	XX	XX	XX	XX	XX		13.6	U1	Changed method
HU	PAN	FV	U1	U1	U1	U1	x	100.0	U1	Changed method

Knowing that not all changes in conservation status between the reporting periods were genuine, Member States were asked to give the reasons for changes in conservation status. Bulgaria and Romania only joined the EU in 2007 and Greece did not report for 2007-12 so no reason is given for change for these countries. Greek data shown above is from 2001-06.

Main pressures and threats reported by Member States

Member States were asked to report the 20 most important threats and pressures using an agreed hierarchical list which can be found on the [Article 17 Reference Portal](#). Pressures are activities which are currently having an impact on the species and threats are activities expected to have an impact in the near future. Pressures and threats were ranked in three classes 'high, medium and low importance'; the tables below only show threats and pressures classed as 'high', for some species there were less than ten threats or pressures reported as highly important.

Ten most frequently reported 'highly important' pressures

Code	Activity	Frequency
J03	Other changes to ecosystems	22
A02	Modification of cultivation practices	15
A03	Mowing or cutting grasslands	12
A04	Grazing by livestock	7
A08	Fertilisation in agriculture	5
K02	Vegetation succession/Biocenotic evolution	5
B01	Afforestation	4
B02	Forest and plantation management & use	4
J02	Changes in water bodies conditions	4
A01	Agricultural cultivation	3

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Ten most frequently reported 'highly important' threats

Code	Activity	Frequency
J03	Other changes to ecosystems	24
A03	Mowing or cutting grasslands	13
A02	Modification of cultivation practices	11
A04	Grazing by livestock	10
A08	Fertilisation in agriculture	6
K02	Vegetation succession/Biocenotic evolution	6
B01	Afforestation	4
B02	Forest and plantation management & use	4
J02	Changes in water bodies conditions	4
A01	Agricultural cultivation	3

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Proportion of population covered by the Natura 2000 network

For species listed in the Annex II of the Directive Member States were asked to report the population size within the Natura 2000 network. The percentage of species population covered by the network was estimated by comparing the population size within the network and the total population size in the biogeographical/marine region.

Percentage of coverage by Natura 2000 sites in biogeographical/marine region

	ALP	ATL	BLS	BOR	CON	MED	PAN
AT	37				35		
BE					100		
BG	50		40		30		
CZ					71		
DE	51				77		
DK		x			27		
EE				33			
ES	2	23				32	
FI				10			
FR	x	x			x	x	
HU							74
IE		46					
IT	x				x	x	
LT				30			
LU					77		
LV				100			
PL	100				22		
PT		x				x	
RO	100				100		
SE				25	52		
SI	3				29		
UK		x					

See the endnotes for more informationⁱⁱ

Most frequently reported conservation measures

For species listed in the Annex II of the Directive Member States were asked to report up to 20 conservation measures being implemented for this species using an agreed list which can be found on the Article 17 Reference Portal. Member States were further requested to highlight up to five most important ('highly important') measures; the table below only shows measures classed as 'high', for many species there were less than ten measures reported as highly important.

Ten most frequently reported 'highly important' conservation measures

Code	Measure	Frequency
2.1	Maintaining grasslands and other open habitats	32
6.3	Legal protection of habitats and species	17
6.1	Establish protected areas/sites	12
7.4	Specific single species or species group management measures	9
6.4	Manage landscape features	6
7.0	Other species management measures	6
9.1	Regulating/Management exploitation of natural resources on land	5
2.2	Adapting crop production	3
3.1	Restoring/improving forest habitats	3
4.2	Restoring/improving the hydrological regime	3

This information is derived from the Member State national reports submitted to the European Commission under Article 17 of the Habitats Directive in 2013 and covering the period 2007-2012. More detailed information, including the MS reports, is available at:

<http://bd.eionet.europa.eu/article17/reports2012/species/summary/?group=Arthropods&period=3&subject=Euphydryas+aurinia>

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i Assessment of conservation status at the European biogeographical level: Current Conservation Status (Current CS) shows the status for the reporting period 2007-2012, Previous Conservation Status (Previous CS) for the reporting period 2000-2006. Reason for change in conservation status between the reporting periods indicates whether the changes in the status were genuine or not genuine. Previous Conservation Status was not assessed for Steppic, Black Sea and Marine Black Sea regions. For these regions the Previous status is therefore considered as 'unknown'. The percentage of the species population occurring within the biogeographical/marine region (% in region) is calculated based on the area of GIS distribution.

ii Percentage of coverage by Natura 2000 sites in biogeographical/marine region: In some cases the population size within the Natura 2000 network has been estimated using a different methodology to the estimate of overall population size and this can lead to percentage covers greater than 100%. In such case the value has been given as 100% and highlighted with an asterisk (*). The value 'x' indicates that the Member State has not reported the species population and/or the coverage by Natura 2000. No information is available for Greece. The values are only provided for regions, in which the occurrence of the species has been reported by the Member States.