



Parnassius mnemosyne

Annex	IV
Priority	No
Species group	Arthropods
Regions	Alpine, Black Sea, Boreal, Continental, Mediterranean, Pannonian, Steppic

The Clouded Apollo (*Parnassius mnemosyne*) occurs in rocky regions on damp to moderately dry grasslands and sparse deciduous woodland, forest clearings and edges in the neighborhood of large stands of the larval foodplants of the genus *Corydalis*. Its range is from Europe to the Caucasus, Middle East, Middle Asia and West Siberia.

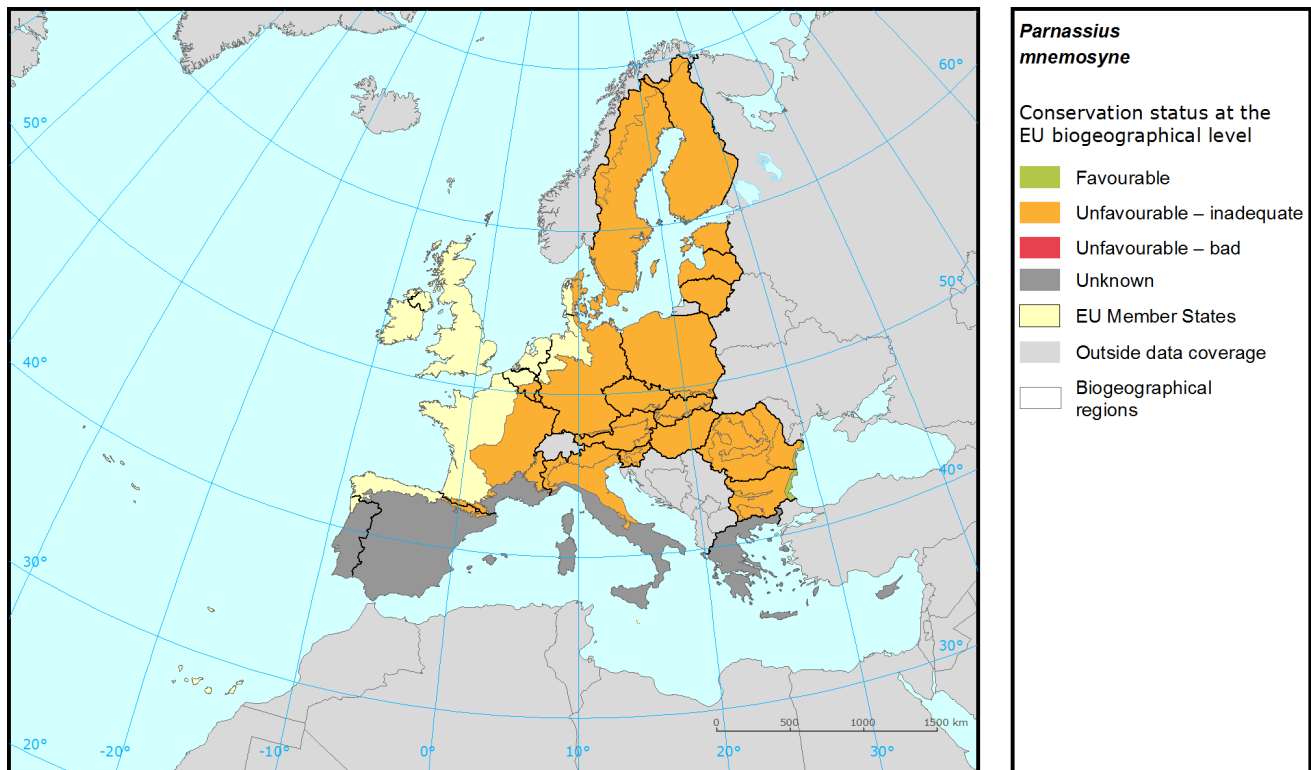
Its conservation status is favourable in Black Sea bioregion only (Bulgaria - new country), unfavourable-inadequate in Alpine, Boreal, Continental, Pannonian (all same as previous) and Steppic (previous unknown) bioregions and unknown in Mediterranean bioregion (same as previous).

Red List Status Europe: Near threatened, EU: Least concern. The species is listed on the Habitats Directive Annex 4. This species is especially threatened by changes in the management of semi-natural grasslands and woodland. Both intensification and abandonment will have a negative impact on this butterfly. In light-penetrated rupicolous forests with abundant *Corydalis* it can survive under natural conditions, without management.

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Assessment of conservation status at the European biogeographical level



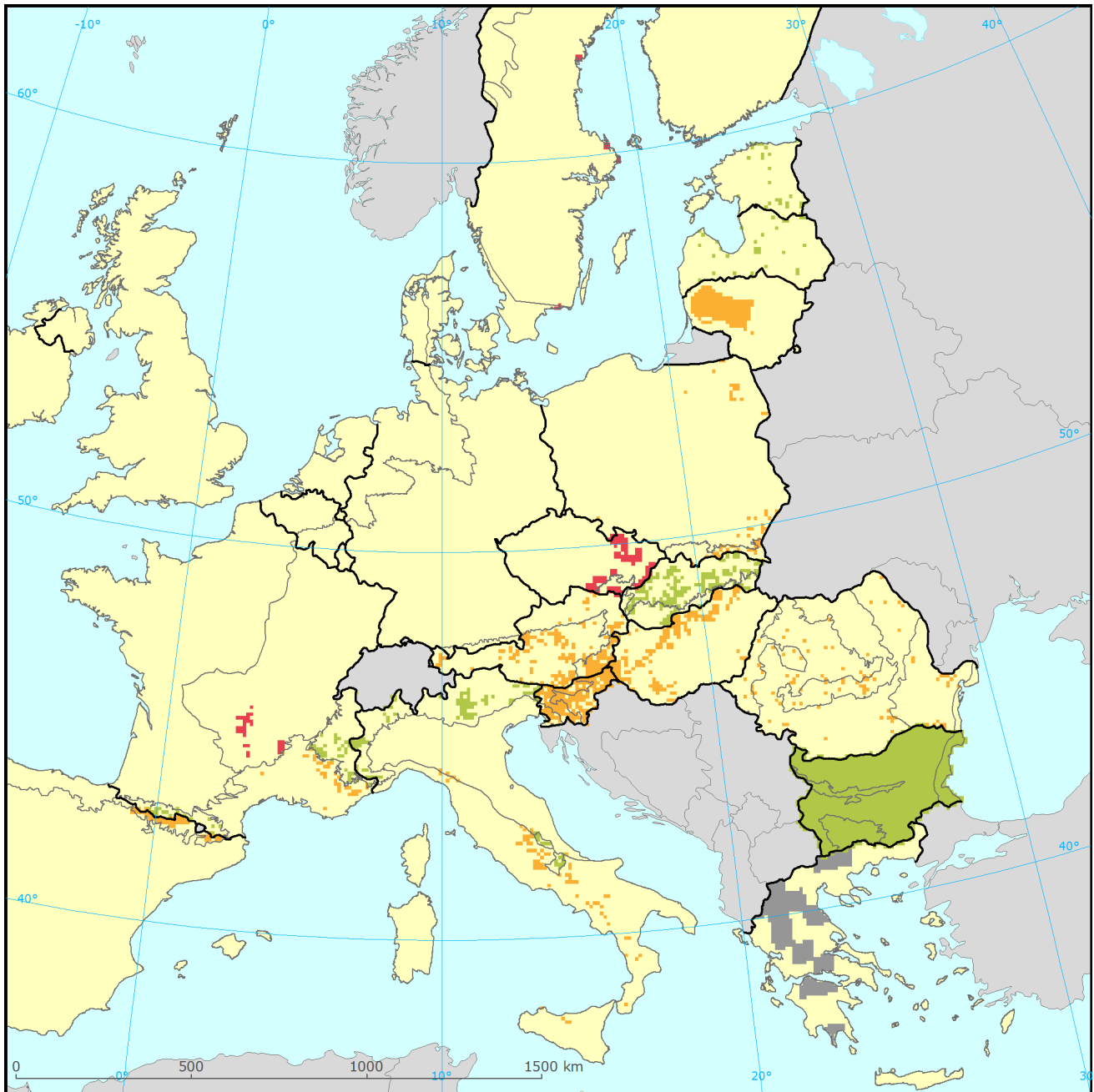
Region	Conservation status (CS) of parameters				Current CS	Trend in CS	% in region	Previous CS	Reason for change
	Range	Population	Habitat	Future prospects					
ALP	FV	FV	U1	U1	U1	=	24	U1	
BLS	FV	FV	FV	FV	FV	=	3	XX	Not genuine
BOR	U1	U1	FV	FV	U1	+	8	U1	
CON	U1	FV	U1	U1	U1	-	43	U1	
MED	XX	XX	XX	XX	XX	=	14	XX	
PAN	U1	FV	U1	U1	U1	=	7	U1	
STE	FV	U1	U1	U1	U1	x	0.56	XX	Not genuine

See the endnote for more informationⁱ

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Assessment of conservation status at the Member State level



Parnassius mnemosyne

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	FV	FV	U1	U1	U1	-	13.7	U1	Changed method
BG	ALP	FV	FV	FV	FV	FV		25.0		
DE	ALP	FV	FV	FV	FV	FV		1.9	FV	
ES	ALP	U1	U1	U1	U1	U1	x	6.6	U1	
FR	ALP	FV	FV	FV	FV	FV		7.3	FV	
IT	ALP	FV	FV	FV	FV	FV		14.2	U2	Better data
PL	ALP	FV	U1	XX	U1	U1	=	2.8	U1	
RO	ALP	FV	U1	U1	U1	U1		2.8		
SI	ALP	FV	FV	U1	U1	U1	=	8.8	U1	
SK	ALP	FV	FV	FV	FV	FV		16.7	FV	
BG	BLS	FV	FV	FV	FV	FV		100.0		
EE	BOR	FV	FV	FV	FV	FV		10.4	FV	
FI	BOR	FV	FV	U1	U1	U1	=	14.7	U1	
LT	BOR	FV	U1	FV	FV	U1	+	56.6	U1	Changed method
LV	BOR	FV	FV	FV	FV	FV		13.9	FV	
SE	BOR	U2	U2	U2	U2	U2	=	4.4	U2-	Genuine
AT	CON	FV	FV	U1	U1	U1	-	4.8	U1	Changed method
BG	CON	FV	FV	FV	FV	FV		71.6		
CZ	CON	U2	U2	U2	U2	U2	-	6.3	U2	
DE	CON	U2	U2	U1	U1	U2	x	1.1	U2	
FR	CON	U1	U2	U1	U1	U2	=	2.3	U2	
PL	CON	FV	U1	XX	U1	U1	=	2.7	U1	
RO	CON	FV	U1	U1	U1	U1		3.5		
SE	CON	U2	U2	U2	U2	U2	-	0.2	U2-	
SI	CON	U1	U1	U1	U1	U1	-	7.6	U1	
FR	MED	U1	U1	U1	U1	U1	=	8.1	U2	Changed method
GR	MED	XX	XX	XX	XX	XX		75.7	XX	
IT	MED	FV	U1	FV	U1	U1	-	16.2	U1	Better data
CZ	PAN	U2	U2	U2	U2	U2	-	5.3	U2	
HU	PAN	FV	FV	U1	U1	U1	=	76.3	U1	
RO	PAN	FV	U1	U1	U1	U1		2.9		
SK	PAN	FV	FV	FV	FV	FV		15.5	FV	
RO	STE	FV	U1	U1	U1	U1		100.0		

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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
A03	Mowing or cutting grasslands	18
A04	Grazing by livestock	15
J03	Other changes to ecosystems	15
B03	Forest exploitation	12
K02	Vegetation succession/Biocenotic evolution	12
B02	Forest and plantation management & use	9
A02	Modification of cultivation practices	3
B07	Other forestry activities	3
E01	Urbanisation and human habitation	3
G02	Sport and leisure infrastructures	3

Ten most frequently reported 'highly important' threats

Code	Activity	Frequency
A03	Mowing or cutting grasslands	17
A04	Grazing by livestock	14
K02	Vegetation succession/Biocenotic evolution	14
B03	Forest exploitation	11
J03	Other changes to ecosystems	11
B02	Forest and plantation management & use	8
E01	Urbanisation and human habitation	8
A02	Modification of cultivation practices	3
B07	Other forestry activities	3
F03	Hunting and collection of terrestrial wild animals	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:

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

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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.