



Myotis mystacinus

Annex	IV
Priority	No
Species group	Mammals
Regions	Alpine, Atlantic, Black Sea, Boreal, Continental, Mediterranean, Pannonian

The bat *Myotis mystacinus* is a western Palaearctic species. It inhabits forest, woodland edge, shrubland, open meadows, steppe and semi-desert habitats and wooded landscape near to water sources, but is generally more a house-dwelling than woodland bat, and is commonly sighted in parks, gardens and villages. Summer maternity roosts are typically sited in trees, buildings, and bird and bat boxes. It hibernates in small groups in underground sites (caves, mines, and cellars).

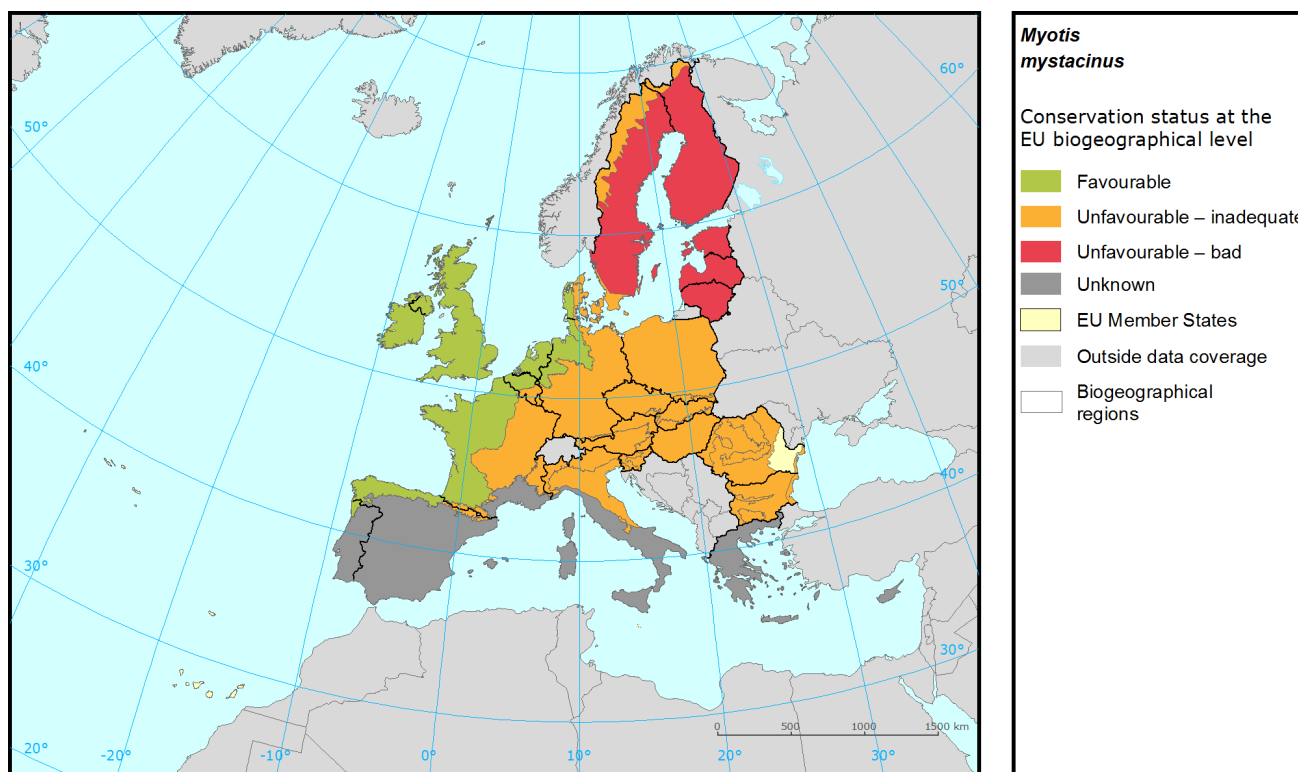
The conservation status is favourable in the Atlantic biogeographical region, unfavourable-inadequate in Alpine, Black Sea, Continental, and Pannonian regions, unfavourable-bad in Boreal region and unknown in Mediterranean regions. The improved knowledge resulted in subsistence of previously unknown overall assessments by favourable (Atlantic) and unfavourable-inadequate (Black Sea) conclusions; conclusions for other regions remain unchanged. The overall trends are mostly stable, but deteriorating in Black Sea and Boreal regions.

The species is threatened mostly by forest and plantation management & use, reconstruction, renovation of buildings, removal of dead and dying trees, use of biocides, hormones and chemicals (forestry), recreational cave visits, forest exploitation without replanting or natural regrowth, removal of hedges and copses or scrub, roads, paths and railroads, industrial or commercial areas.

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Assessment of conservation status at the European biogeographical level



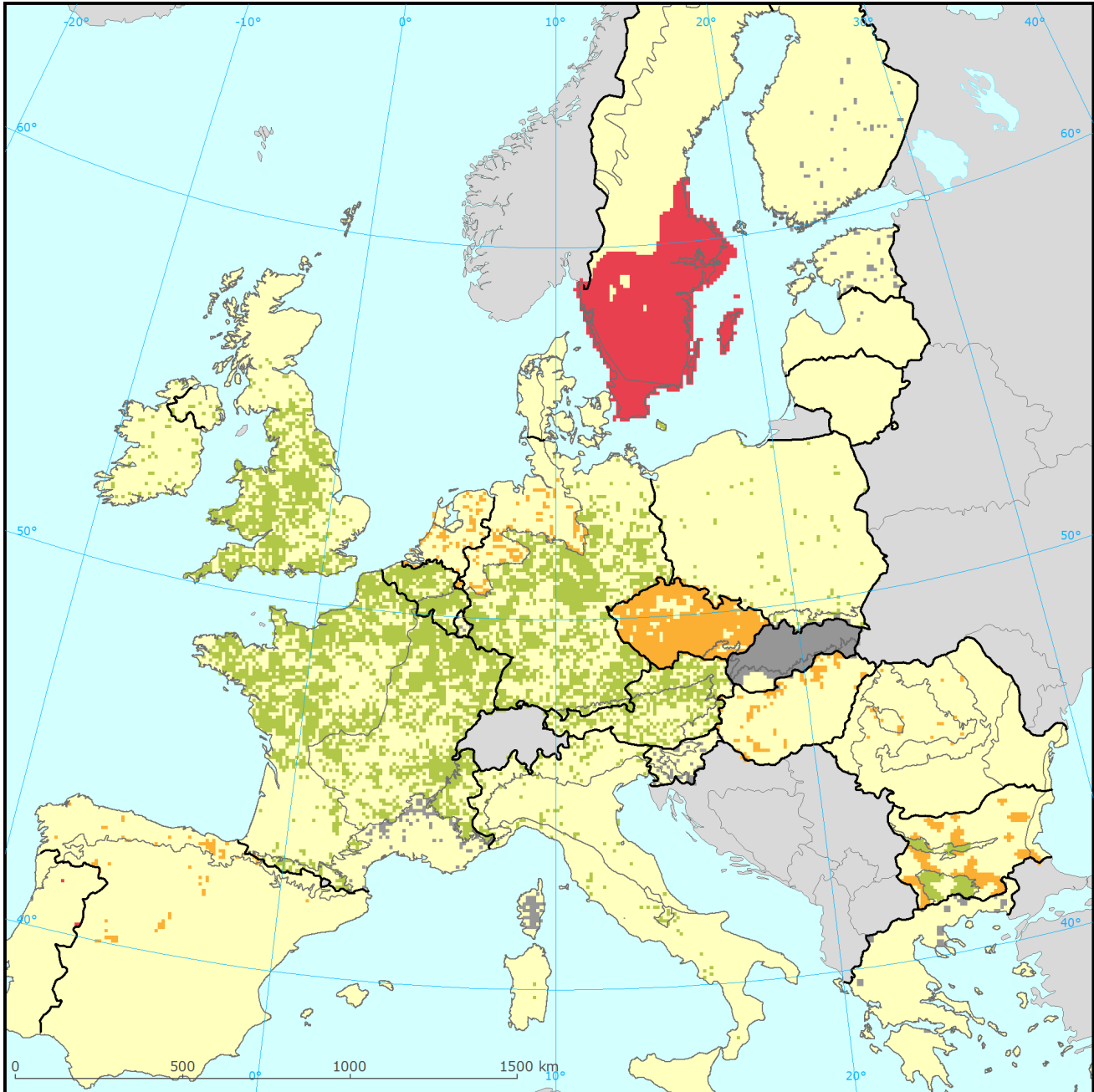
Region	Conservation status (CS) of parameters				Current CS	Trend in CS	% in region	Previous CS	Reason for change
	Range	Population	Habitat	Future prospects					
ALP	U1	U1	U1	XX	U1	=	11	U1	
ATL	FV	FV	FV	XX	FV	=	26	XX	Not genuine
BLS	U1	XX	U1	U1	U1	-	0.11	XX	Not genuine
BOR	FV	U2	XX	U2	U2	-	18	U2	
CON	U1	U1	FV	XX	U1	=	40	U1	
MED	XX	XX	XX	XX	XX	x	2	XX	
PAN	U1	U1	U1	U1	U1	=	3	U1	

See the endnote for more informationⁱ

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Assessment of conservation status at the Member State level



Myotis mystacinus

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	FV	FV		21.8	FV		
BG	ALP	FV	FV	FV	FV		11.2			
DE	ALP	FV	FV	FV	FV		2.5	FV		
ES	ALP	U1	XX	U1	FV	U1	=	0.5	XX	Changed method
FR	ALP	FV	FV	FV	XX	FV		16.5	XX	Better data
IT	ALP	FV	FV	FV	FV	FV		7.2	U1-	Better data
PL	ALP	FV	FV	FV	FV	FV		1.6	FV	
RO	ALP	U1	U1	U1	U1	U1	=	1.1		
SI	ALP	FV	XX	XX	XX	XX		2.0	XX	
SK	ALP	FV	XX	XX	XX	XX		35.6	XX	
BE	ATL	FV	FV	XX	FV	FV		5.6	FV	
DE	ATL	U1	FV	FV	XX	U1	+	4.8	U1	Changed method
ES	ATL	U1	XX	FV	FV	U1	+	1.3	XX	Changed method
FR	ATL	FV	FV	FV	XX	FV		47.9	XX	Better data
IE	ATL	FV	FV	FV	FV	FV		2.2	FV	
NL	ATL	U1	FV	XX	FV	U1	x	2.9	U1	
PT	ATL	XX	XX	XX	XX	XX			XX	
UK	ATL	FV	FV	FV	FV	FV		35.3	XX	Changed method
BG	BLS	U1	XX	U1	U1	U1	-	100.0		
EE	BOR	XX	XX	XX	FV	XX		3.0	XX	
FI	BOR	FV	XX	XX	XX	XX		3.6	XX	
LV	BOR	FV	XX	XX	XX	XX		0.2	XX	
SE	BOR	FV	U2	U1	U2	U2	-	93.2	U2-	
AT	CON	FV	FV	FV	FV	FV		4.1	FV	
BE	CON	FV	FV	XX	FV	FV		2.4	FV	
BG	CON	FV	FV	FV	U1	U1	-	5.9		
CZ	CON	FV	U1	FV	FV	U1	=	19.3	U1	
DE	CON	FV	FV	FV	FV	FV		34.1	U1	Changed method
DK	CON	FV	FV	FV	FV	FV		0.1	FV	
FR	CON	FV	FV	FV	XX	FV		24.0	XX	Better data
IT	CON	FV	FV	FV	FV	FV		0.9	U1-	Better data
LU	CON	FV	XX	FV	XX	XX		0.3	U1	No data
PL	CON	FV	FV	FV	FV	FV		1.8	FV	
RO	CON	U1	U1	U1	U1	U1	=	0.3		

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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					
SE	CON	FV	U2	U1	U2	-	6.1	U2-		
SI	CON	FV	XX	XX	XX		0.7	XX		
ES	MED	U1	XX	FV	FV	U1	+	16.2	XX	Changed method
FR	MED	XX	XX	XX	XX	XX		59.5	XX	
GR	MED	XX	XX	XX	XX	XX		5.7	XX	
IT	MED	FV	FV	FV	FV	FV		17.1	U1-	Better data
PT	MED	U2	U1	XX	XX	U2	x	1.4	U2	
CZ	PAN	FV	U1	FV	FV	U1	=	10.2	U1	
HU	PAN	U1	U1	U1	U1	U1	=	44.5	U1-	Changed method
SK	PAN	FV	XX	XX	XX	XX		45.3	XX	

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
B02	Forest and plantation management & use	26
A07	Use of 'pesticides' in agriculture	10
E06	Other urban/industrial developments	9
G01	Outdoor sports, leisure and recreational activities	7
G05	Other human intrusions and disturbances	7
B03	Forest exploitation	6
D01	Roads, railroads and paths	6
J03	Other changes to ecosystems	6
A02	Modification of cultivation practices	4
B04	Use of 'pesticides' (forestry)	4

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Ten most frequently reported 'highly important' threats

Code	Activity	Frequency
B02	Forest and plantation management & use	23
E06	Other urban/industrial developments	10
A07	Use of 'pesticides' in agriculture	9
G01	Outdoor sports, leisure and recreational activities	9
D01	Roads, railroads and paths	6
G05	Other human intrusions and disturbances	6
J03	Other changes to ecosystems	6
A10	Restructuring agricultural parcels	4
B04	Use of 'pesticides' (forestry)	4
A02	Modification of cultivation practices	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=Mammals&period=3&subject=Myotis+mystacinus>

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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.