



Myotis myotis

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

Bat *Myotis myotis* occurs in western, central and southern Europe (with individual records from southern England and southern Sweden) and in Asia Minor and in the Levant. It forages over woodland edge, open woodland and pasture. In summer, nursery roosts in northern Europe are located almost exclusively in large attics of buildings (e.g. churches) while in southern Europe they are located in caves. It is an occasional migrant.

The conservation status is favourable in the Black Sea biogeographical region and unfavourable-inadequate in other regions: Alpine, Atlantic, Continental, Mediterranean and Pannonian. In the previous assessment, in three regions was overall assessment unknown, what documents certain improvement of knowledge. On the country level most assessments was concluded as unfavourable-inadequate.

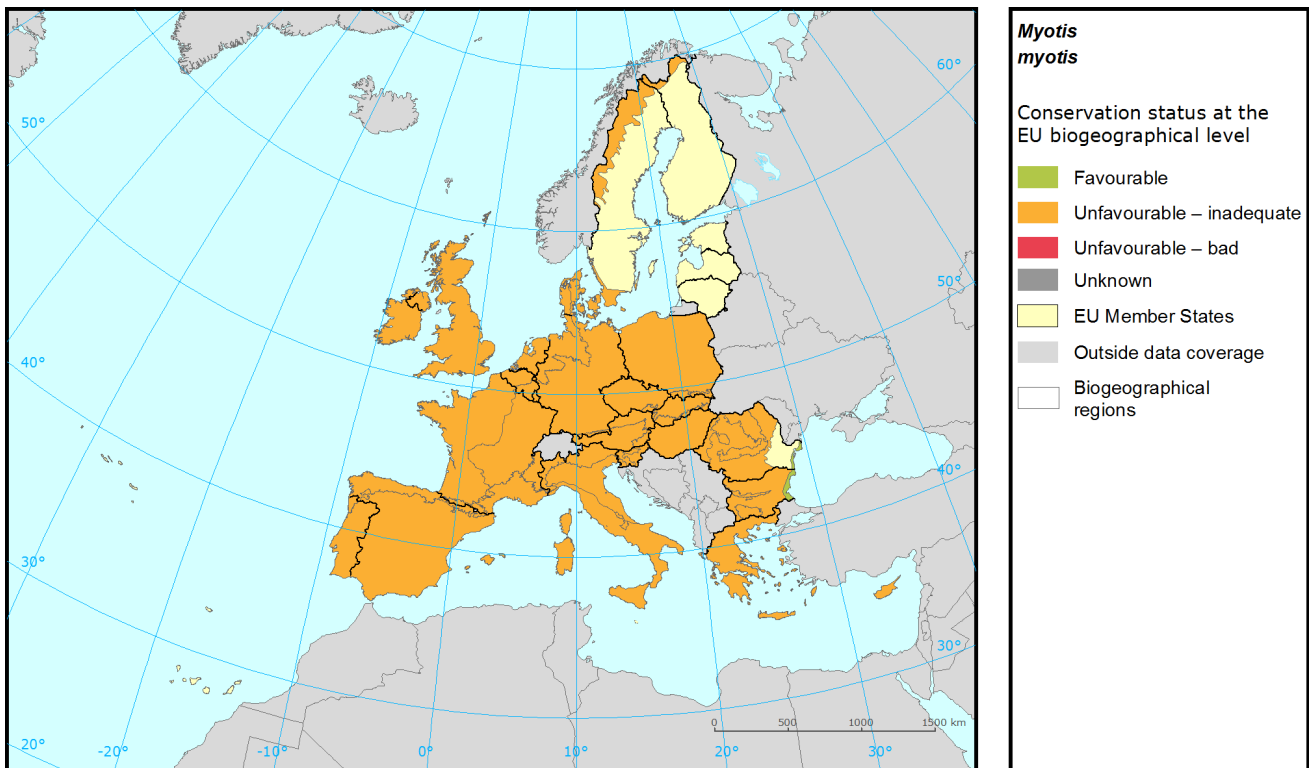
The species is threatened mostly by closures of caves or galleries, recreational cave visits, demolition of buildings & human structures,

reconstruction, renovation of buildings, roads, paths and railroads, use of biocides, hormones and chemicals, forest and plantation management & use, removal of hedges and copses or scrub, roads, paths and railroads, speleology, synthetic compound contamination, urbanised areas, human habitation.

Species: *Myotis myotis*

Report under the Article 17 of the Habitats Directive

Assessment of conservation status at the European biogeographical level



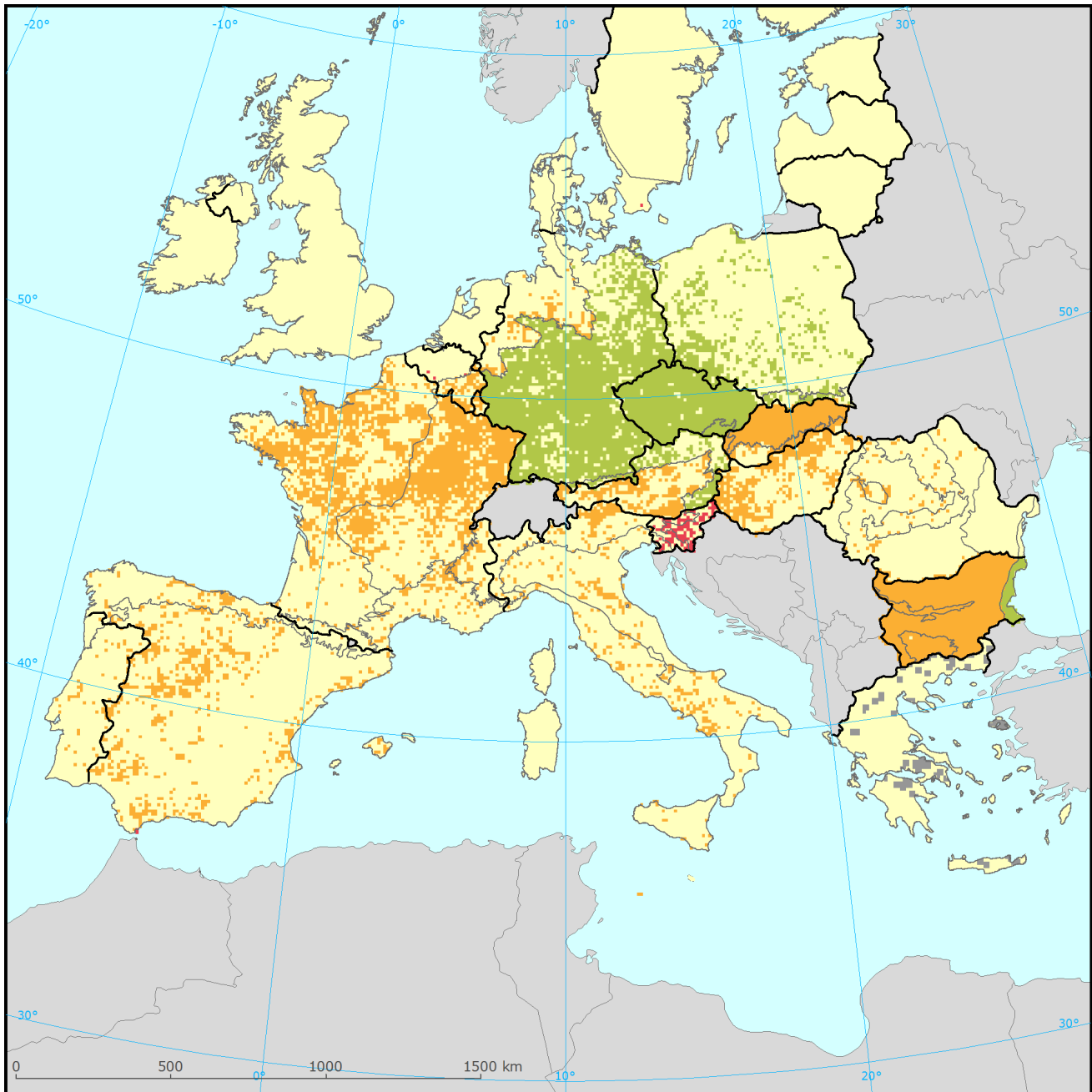
Region	Conservation status (CS) of parameters				Current CS	Trend in CS	% in region	Previous CS	Reason for change
	Range	Population	Habitat	Future prospects					
ALP	U1	U1	U1	U1	U1	-	11	U1	
ATL	FV	FV	U1	U1	U1	x	13	XX	Not genuine
BLS	FV	FV	FV	FV	FV	=	0.8	XX	Not genuine
CON	U1	FV	U1	FV	U1	=	59	XX	Not genuine
MED	U1	U1	U1	U1	U1	-	11	U2	Not genuine
PAN	FV	U1	U1	XX	U1	-	5	U1	

See the endnote for more informationⁱ

Species: *Myotis myotis*

Report under the Article 17 of the Habitats Directive

Assessment of conservation status at the Member State level



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Distribution and conservation status at the Member State level



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.

Species: *Myotis myotis*

Report under the Article 17 of the Habitats Directive

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	U1	FV	FV	U1	+	22.1	U1+	
BG	ALP	FV	FV	U1	FV	U1	=	15.7		
DE	ALP	FV	FV	FV	FV	FV		2.6	FV	
ES	ALP	U1	FV	U1	XX	U1	-	0.1	U1	Changed method
FR	ALP	U1	U1	U1	U1	U1	=	6.0	U1	
IT	ALP	FV	FV	U1	U1	U1	-	10.3	U2-	Better data
PL	ALP	FV	FV	FV	FV	FV		4.2	FV	
RO	ALP	U1	U1	U1	U1	U1	=	3.9		
SI	ALP	FV	FV	U2	U1	U2	x	3.3	U1	Genuine
SK	ALP	FV	XX	U1	XX	U1	-	31.8	U1-	
BE	ATL	U2	U2	XX	U2	U2	-	0.2	XX	Better data
DE	ATL	FV	U1	U1	U1	U1	+	9.0	U1	Genuine
ES	ATL	U1	U1	U1	U1	U1	-	6.3	XX	Changed method
FR	ATL	FV	FV	U1	U1	U1	x	84.2	XX	Better data
NL	ATL	XX	XX	U1	U1	U1	+	0.2	U1	
PT	ATL	U1	XX	XX	XX	U1	x	0.1	XX	Changed method
UK	ATL									
BG	BLS	FV	FV	FV	FV	FV		100.0		
AT	CON	FV	FV	FV	FV	FV		2.4	U1+	Genuine
BE	CON	FV	U1	XX	U1	U1	+	1.0	U1	
BG	CON	FV	FV	U1	FV	U1	=	15.9		
CZ	CON	FV	FV	FV	FV	FV		13.2	U1	Genuine
DE	CON	FV	FV	FV	FV	FV		37.4	FV	
FR	CON	FV	FV	U1	U1	U1	=	17.6	XX	Better data
IT	CON	FV	FV	U1	U1	U1	-	1.7	U2-	Better data
LU	CON	FV	U1	U1	U1	U1	-	0.3	U1	Genuine
PL	CON	FV	FV	FV	FV	FV		8.0	U1	Better data
RO	CON	U1	U1	U1	U1	U1	=	1.2		
SE	CON	FV	U2	FV	U2	U2	x			
SI	CON	FV	FV	U2	U1	U2	x	1.2	U1	Genuine
ES	MED	U1	U1	FV	U1	U1	=	62.1	XX	Changed method
FR	MED	U1	U1	U1	U1	U1	=	9.4	U2	Genuine
GR	MED	XX	XX	XX	XX	XX		7.6	XX	
IT	MED	FV	FV	U1	U1	U1	-	16.4	U2-	Better data

Species: *Myotis myotis*

Report under the Article 17 of the Habitats Directive

MS	Region	Conservation status of parameters				Current CS	Trend in CS	% in region	Previous CS	Reason for change
		Range	Population	Habitat	Future prospects					
PT	MED	U1	FV	XX	XX	U1	x	4.5	U1-	Changed method
CZ	PAN	FV	FV	FV	FV	FV		6.6	U1	Genuine
HU	PAN	FV	U1	U1	U1	U1	=	75.8	FV	Genuine
SK	PAN	FV	XX	U1	XX	U1	-	17.6	U1-	

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
E06	Other urban/industrial developments	18
G01	Outdoor sports, leisure and recreational activities	16
G05	Other human intrusions and disturbances	14
A07	Use of 'pesticides' in agriculture	13
B02	Forest and plantation management & use	8
A02	Modification of cultivation practices	6
D01	Roads, railroads and paths	5
A04	Grazing by livestock	4
J03	Other changes to ecosystems	4
C01	Mining and quarrying	2

Species: *Myotis myotis*

Report under the Article 17 of the Habitats Directive

Ten most frequently reported 'highly important' threats

Code	Activity	Frequency
G01	Outdoor sports, leisure and recreational activities	16
E06	Other urban/industrial developments	15
G05	Other human intrusions and disturbances	15
A07	Use of 'pesticides' in agriculture	12
B02	Forest and plantation management & use	8
D01	Roads, railroads and paths	8
A02	Modification of cultivation practices	4
A04	Grazing by livestock	2
C01	Mining and quarrying	2
E01	Urbanisation and human habitation	2

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	CON	MED	PAN
AT	11			28		
BE		100		50		
BG	67		58	67		
CZ				87		100*
DE	17	41		37		
ES	0	6			44	
FR	4	0		0	1	
HU						40
IT	x			x	x	
LU				26		
NL		100				
PL	50			100		
PT		x			100	
RO	100			100		
SE				x		
SI	x			13		
SK	50					32
UK					x	

See the endnotes for more informationⁱⁱ

Species: *Myotis myotis*

Report under the Article 17 of the Habitats Directive

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
6.3	Legal protection of habitats and species	32
6.1	Establish protected areas/sites	18
7.4	Specific single species or species group management measures	11
6.0	Other spatial measures	6
7.0	Other species management measures	6
9.1	Regulating/Management exploitation of natural resources on land	6
6.4	Manage landscape features	5
3.1	Restoring/improving forest habitats	4
8.0	Other measures	4
2.1	Maintaining grasslands and other open habitats	2

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+myotis>

Species: *Myotis myotis*

Report under the Article 17 of the Habitats Directive

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.