



Myotis brandtii

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

The Brandt's bat (*Myotis brandtii*) belonging to the vesper bats is found throughout most of Europe and parts of Asia. It inhabits mixed and broadleaf forest, and sometimes coniferous forest, often in close proximity to water. Summer roosts are in buildings, tree holes, and bird and bat boxes, but most often in tree holes. In winter it hibernates in caves, tunnels, cellars and mines. It is an occasional migrant.

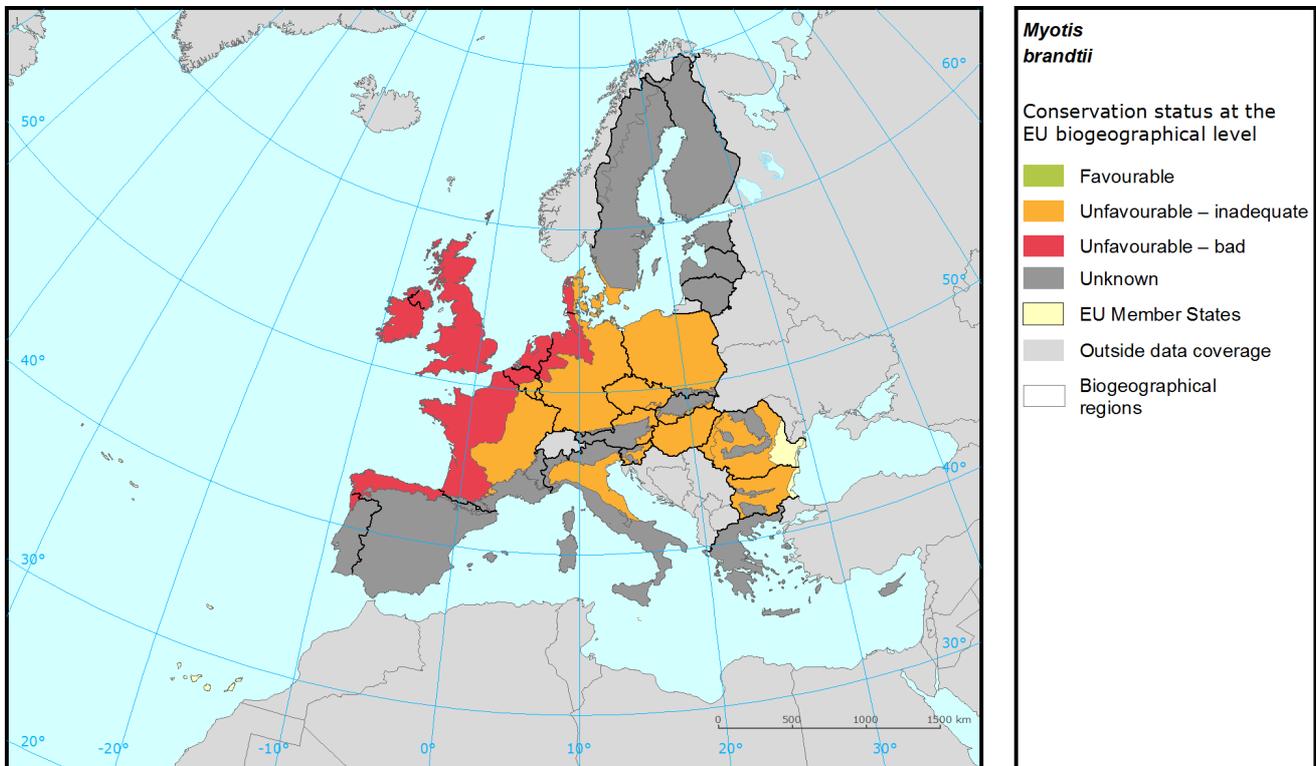
The conservation status is unfavourable-inadequate in Continental and Pannonian biogeographical regions, unfavourable-bad in Atlantic and unknown in Alpine, Boreal, and Mediterranean regions. The lack of knowledge is still an issue - besides conservation status for 3 regions also quite a high number of parameters were assessed unknown on regional level; in level of countries were 19 out of 35 assessments concluded unknown. Only Netherlands indicated unfavourable-bad status for the Atlantic region.

The species is threatened mostly by forest and plantation management & use, removal of dead and dying trees, trapping, poisoning, poaching, modification of cultivation practices, reconstruction, renovation of buildings, recreational cave visits, closures of caves or galleries, discharges, storage of materials, synthetic compound contamination, use of biocides, hormones and chemicals.

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Assessment of conservation status at the European biogeographical level



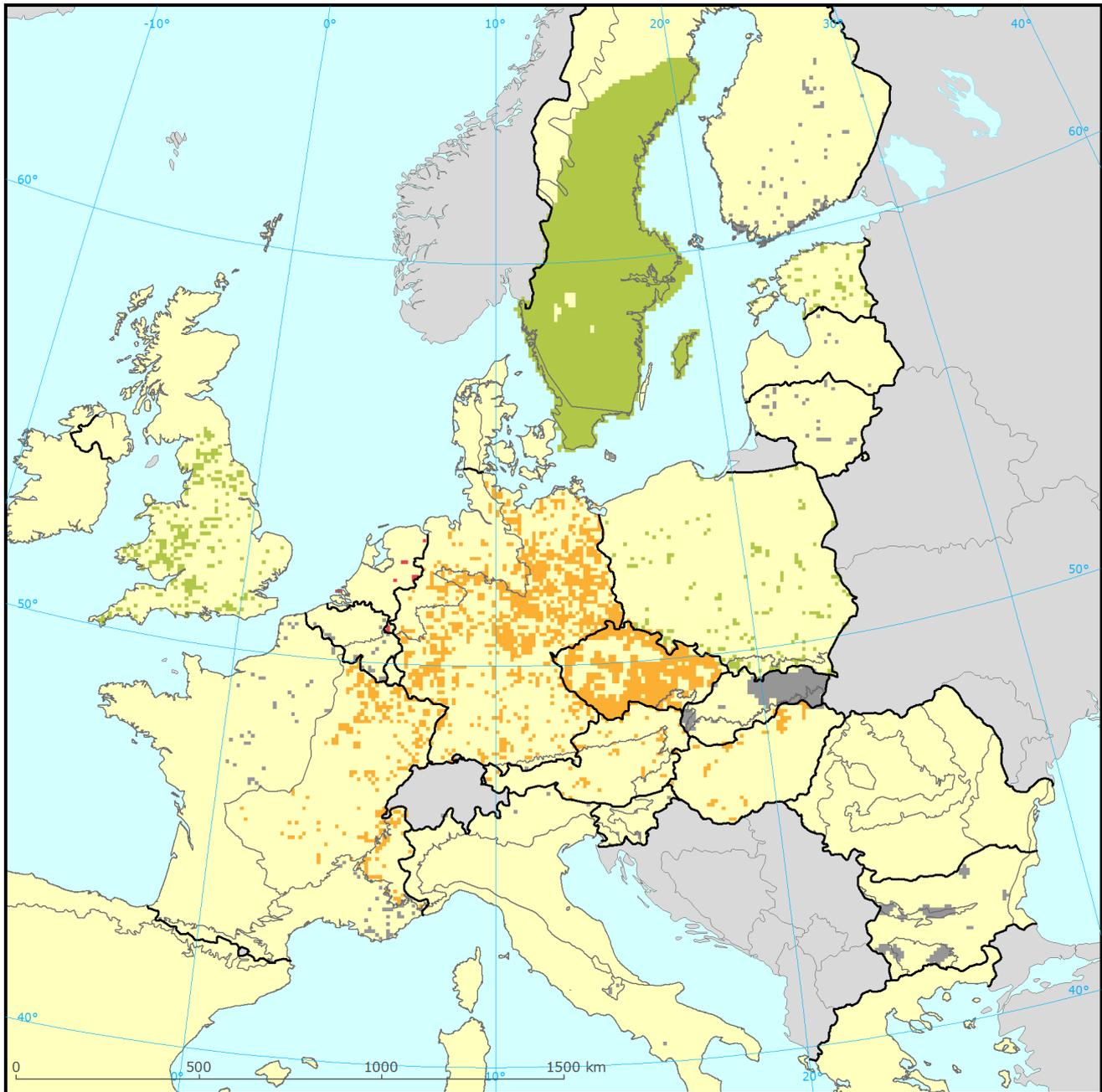
Region	Conservation status (CS) of parameters				Current CS	Trend in CS	% in region	Previous CS	Reason for change
	Range	Population	Habitat	Future prospects					
ALP	XX	XX	XX	XX	XX	x	6	XX	
ATL	FV	U1	U1	U1	U2	=	7	U1	Not genuine
BOR	FV	XX	XX	XX	XX	x	49	XX	
CON	FV	U1	U1	U1	U1	x	35	U1	
MED	XX	XX	FV	XX	XX	x	0.61	U1	Not genuine
PAN	U1	U1	U1	U1	U1	-	2	XX	Not genuine

See the endnote for more informationⁱ

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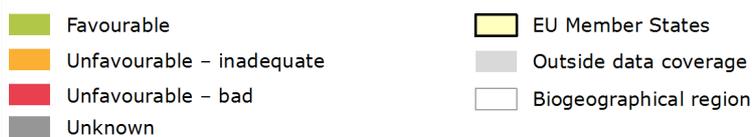
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Assessment of conservation status at the Member State level



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Distribution and conservation status at the Member State level



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	FV	U1	U1	x	9.8	U1	Changed method
BG	ALP	FV	XX	FV	XX	XX		17.3		
DE	ALP	XX	XX	XX	XX	XX		0.6	XX	
FR	ALP	FV	XX	FV	U1	U1	x	13.3		Better data
IT	ALP	XX	XX	FV	XX	XX		2.6		
PL	ALP	FV	FV	FV	FV	FV		9.0	FV	
SI	ALP	XX	XX	FV	FV	XX		0.9	XX	
SK	ALP	XX	XX	XX	XX	XX		46.5	XX	
BE	ATL	XX	XX	XX	XX	XX		1.9	FV	Better data
DE	ATL	FV	U1	U1	U1	U1	=	21.3	U1	
DK	ATL	XX	XX	XX	XX	XX			XX	
FR	ATL	XX	XX	XX	XX	XX		8.4		Better data
IE	ATL								FV	Better data
NL	ATL	U2	U2	U2	U2	U2	+	2.6	U1	Changed method
UK	ATL	FV	FV	FV	FV	FV		65.7	XX	Changed method
EE	BOR	FV	FV	XX	FV	FV		2.0	XX	Better data
FI	BOR	FV	XX	XX	XX	XX		2.8	XX	
LT	BOR	FV	XX	XX	XX	XX		0.9	XX	
LV	BOR	FV	FV	XX	XX	XX		0.2	XX	
SE	BOR	FV	FV	FV	FV	FV		94.0	FV	
AT	CON	U1	U1	FV	U1	U1	x	0.9	U1	Changed method
BE	CON	XX	XX	XX	XX	XX		0.8	FV	
BG	CON	XX	XX	XX	XX	XX		2.1		
CZ	CON	FV	U1	FV	FV	U1	=	24.6	U1	
DE	CON	FV	U1	U1	U1	U1	x	44.1	U1	
DK	CON	XX	XX	XX	XX	XX		0.2	XX	
FR	CON	FV	FV	FV	U1	U1	=	10.5	XX	Better data
LU	CON	XX	XX	XX	XX	XX		0.1	U1	No data
PL	CON	FV	FV	FV	FV	FV		6.5	FV	
SE	CON	FV	FV	FV	FV	FV		10.0	FV	
SI	CON	XX	XX	FV	FV	XX		0.1	XX	
FR	MED	XX	XX	XX	XX	XX				Better data
IT	MED	XX	XX	FV	XX	XX		100.0	U1	No data
CZ	PAN	FV	U1	FV	FV	U1	=	12.4	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					
HU	PAN	U1	U1	U1	U1	-	48.1	U1-		
SK	PAN	XX	XX	XX	XX		39.5	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	30
G05	Other human intrusions and disturbances	18
A07	Use of 'pesticides' in agriculture	16
E06	Other urban/industrial developments	9
G01	Outdoor sports, leisure and recreational activities	9
A02	Modification of cultivation practices	4
A10	Restructuring agricultural parcels	4
H03	Pollution to marine waters	4
J03	Other changes to ecosystems	4
A04	Grazing by livestock	2

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Ten most frequently reported 'highly important' threats

Code	Activity	Frequency
B02	Forest and plantation management & use	30
A07	Use of 'pesticides' in agriculture	13
G05	Other human intrusions and disturbances	11
E06	Other urban/industrial developments	10
G01	Outdoor sports, leisure and recreational activities	6
J03	Other changes to ecosystems	5
A02	Modification of cultivation practices	3
A10	Restructuring agricultural parcels	3
E03	Discharges (household/industrial)	3
E05	Storage of materials	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+brandtii>

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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.