



4070 *Bushes with Pinus mugo and Rhododendron hirsutum* (*Mugo-Rhododendretum hirsuti*)

Habitat code	4070
Priority	Yes
Habitat group	Heath & scrub
Regions	Alpine, Continental

The habitat 4070 "Bushes with *Pinus mugo* and *Rhododendron hirsutum* (*Mugo-Rhododendretum hirsuti*)" includes *Pinus mugo* formations usually with *Rhododendron* spp of the dry eastern inner Alps, the northern and southeastern outer Alps, the southwestern Alps and the Swiss Jura, the eastern greater Hercynian ranges, the Carpathians, the Apennines, the Dinarides and the neighbouring Pelagonides, the Pirin, the Rila and the Balkan Range.

The conservation status is favourable in Alpine and unfavourable-inadequate in Continental biogeographical region. All countries assessed the range and area as favourable, structure & function and future prospect were assessed as unfavourable-inadequate by three countries each.

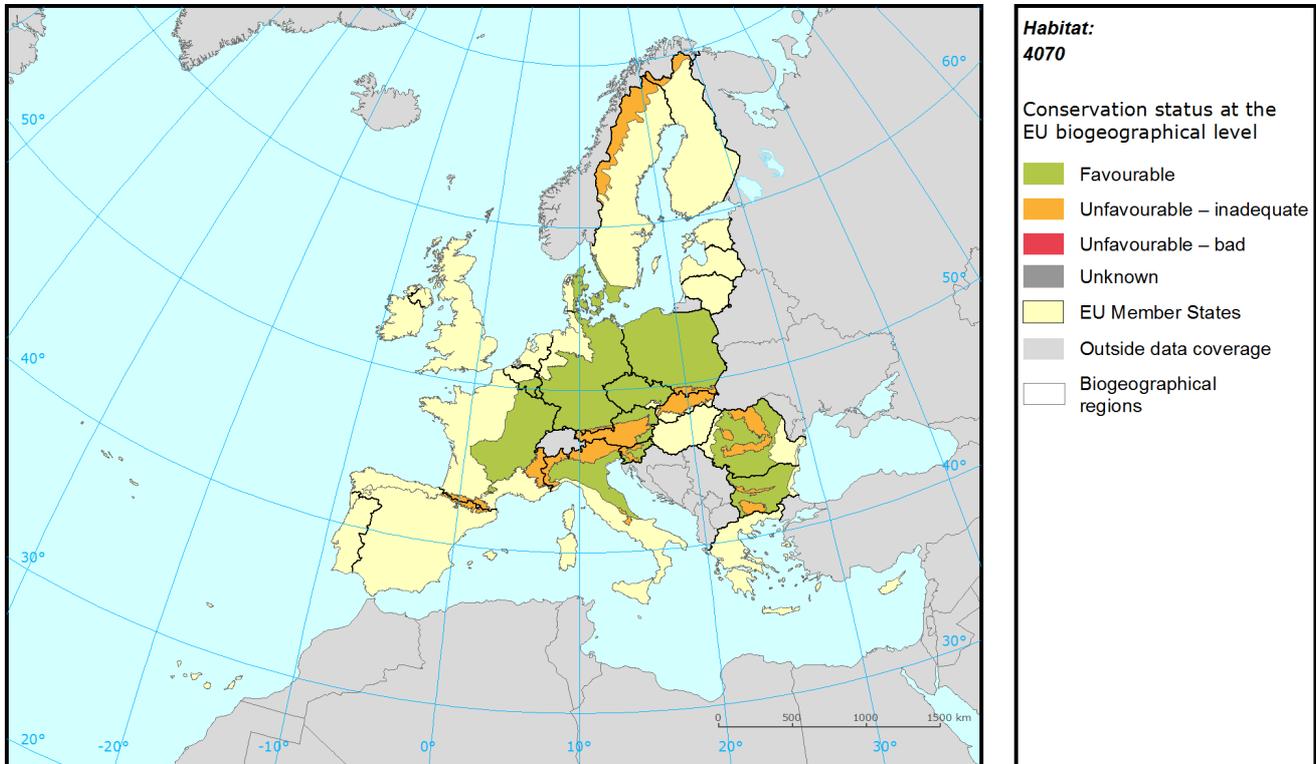
The Red book of natural habitats of Bulgaria classifies this habitat as vulnerable (VU).

The habitat is threatened mostly by skiing complex, outdoor sports and leisure activities, recreational activities, paths, tracks, cycling tracks and other human disturbances. To to important threats belong also grazing, removal of hedges and copses or scrub, burning down, electricity and phone lines, erosion, removal of terrestrial plants, urbanised areas, human habitation.

Habitat: 4070 *Bushes with Pinus mugo and Rhododendron hirsutum* -

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	Area	Structure & Functions	Future prospects					
ALP	FV	FV	U1	FV	U1	-	97	FV	Not genuine
CON	FV	FV	FV	FV	FV	=	3	U1	Not genuine

See the endnote for more information¹

Habitat: 4070 *Bushes with Pinus mugo and Rhododendron hirsutum* -

Report under the Article 17 of the Habitats Directive

Assessment of conservation status at the Member State level



Habitat: 4070

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.

Habitat: 4070 *Bushes with Pinus mugo and Rhododendron hirsutum* -

Report under the Article 17 of the Habitats Directive

MS	Region	Conservation status (CS) of parameters				Current CS	Trend in CS	% in region	Previous CS	Reason for change
		Range	Area	Structure & functions	Future prospects					
AT	ALP	FV	FV	FV	FV		33.5	FV		
BG	ALP	FV	FV	U1	U1	=	3.8			
DE	ALP	FV	FV	FV	FV		6.1	FV		
FR	ALP	FV	FV	FV	FV		1.0	FV		
IT	ALP	FV	FV	U1	FV	-	30.6	FV	Better data	
PL	ALP	FV	FV	FV	FV		0.3	U1	Better data	
RO	ALP	FV	FV	FV	FV		15.4			
SI	ALP	FV	FV	FV	FV		4.4	FV		
SK	ALP	FV	FV	FV	FV		4.9	FV		
BG	CON	FV	FV	U1	U1	=	21.1			
CZ	CON	FV	FV	FV	FV		36.8	FV		
DE	CON	FV	FV	FV	U1	=	31.6	U1		
PL	CON	FV	FV	FV	FV		10.5	U1	Better data	

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 habitats 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 habitats there were less than ten threats or pressures reported as highly important.

Ten most frequently reported 'highly important' pressures

Code	Activity	Frequency
D01	Roads, railroads and paths	25
G01	Outdoor sports, leisure and recreational activities	25
G02	Sport and leisure infrastructures	25
G05	Other human intrusions and disturbances	25

Ten most frequently reported 'highly important' threats

Code	Activity	Frequency
G02	Sport and leisure infrastructures	100

Habitat: 4070 *Bushes with Pinus mugo and Rhododendron hirsutum* -

Report under the Article 17 of the Habitats Directive

Code	Activity	Frequency
------	----------	-----------

Proportion of population covered by the Natura 2000 network

Member States were asked to report the area of the habitat which is covered by the Natura 2000 network. The percentage of the habitat area covered by the network was estimated by comparing the area within the network and the total area in the biogeographical/marine region.

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

	ALP	CON
AT	46	
BG	99	100
CZ		99
DE	62	96
FR	100	
IT	61	
PL	100	100
RO	94	
SI	86	
SK	98	

See the endnotes for more informationⁱⁱ

Most frequently reported conservation measures

Member States were asked to report up to 20 conservation measures being implemented for this habitat 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 habitats there were less than ten measures reported as highly important.

Ten most frequently reported 'highly important' conservation measures

Code	Measure	Frequency
6.1	Establish protected areas/sites	38
6.3	Legal protection of habitats and species	19
2.1	Maintaining grasslands and other open habitats	10
6.4	Manage landscape features	10
9.1	Regulating/Management exploitation of natural resources on land	10
3.0	Other forestry-related measures	5
6.0	Other spatial measures	5
6.2	Establishing wilderness areas/ allowing succession	5

Habitat: 4070 *Bushes with Pinus mugo and Rhododendron hirsutum* -

Report under the Article 17 of the Habitats Directive

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/habitat/summary/?group=Heath+%26+scrub&period=3&subject=4070>

Habitat: 4070 *Bushes with Pinus mugo and Rhododendron hirsutum* -

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 habitat area 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 habitat area 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 habitat has been reported by the Member States.