



9160 *Sub-Atlantic and medio-European oak or oak-hornbeam forests of the Carpinion betuli*

Habitat code	9160
Priority	No
Habitat group	Forests
Regions	Alpine, Atlantic, Boreal, Continental, Mediterranean

Sub-Atlantic and medio-European oak or oak-hornbeam forest (9160) with dominance of oaks (*Quercus robur* or *Q. petraea*) often accompanied by hornbeam (*Carpinus betulus*) and Small-leaved Lime (*Tilia cordata*) forming natural mixed woodlands. This type of forest grows on rich soils with high water table and covers bottoms of valleys or depressions, sometimes in the vicinity of riparian forests.

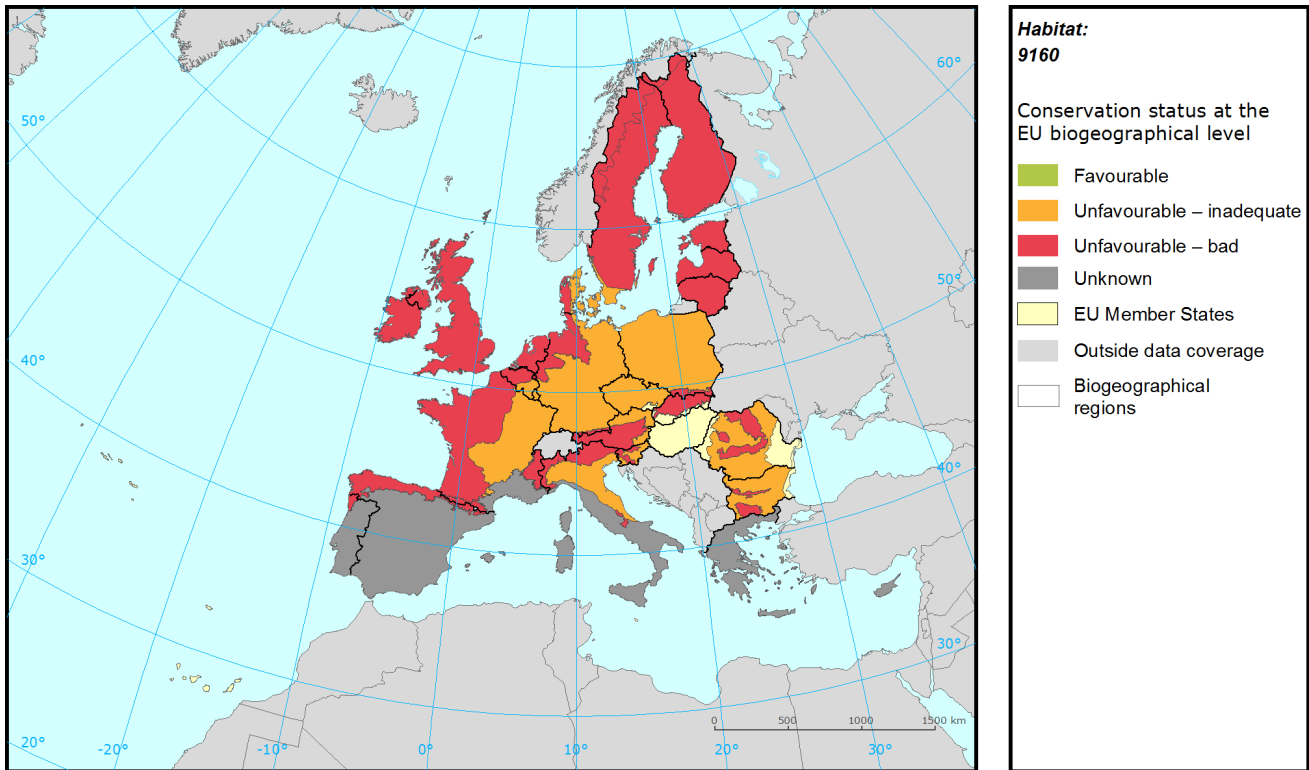
The condition of this habitat is bad within the European Union. The conservation status is “Unfavourable Bad” and the Boreal region in the Alpine and Atlantic region, and declining in the two latter. In the Continental region the status is assessed as “Unfavourable Inadequate” and improving. The status is “Unknown” for the Mediterranean region due to lack of information from Italy and Portugal. Main threats are inappropriate forestry (such as cutting trees and planting with beech and pine) and invasive species. Changes in overall conservation status between 2001-06 and 2007-12 reports are caused by different methodical approach and better data.

Better data required from Italy, Portugal and Spain.

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Assessment of conservation status at the European biogeographical level



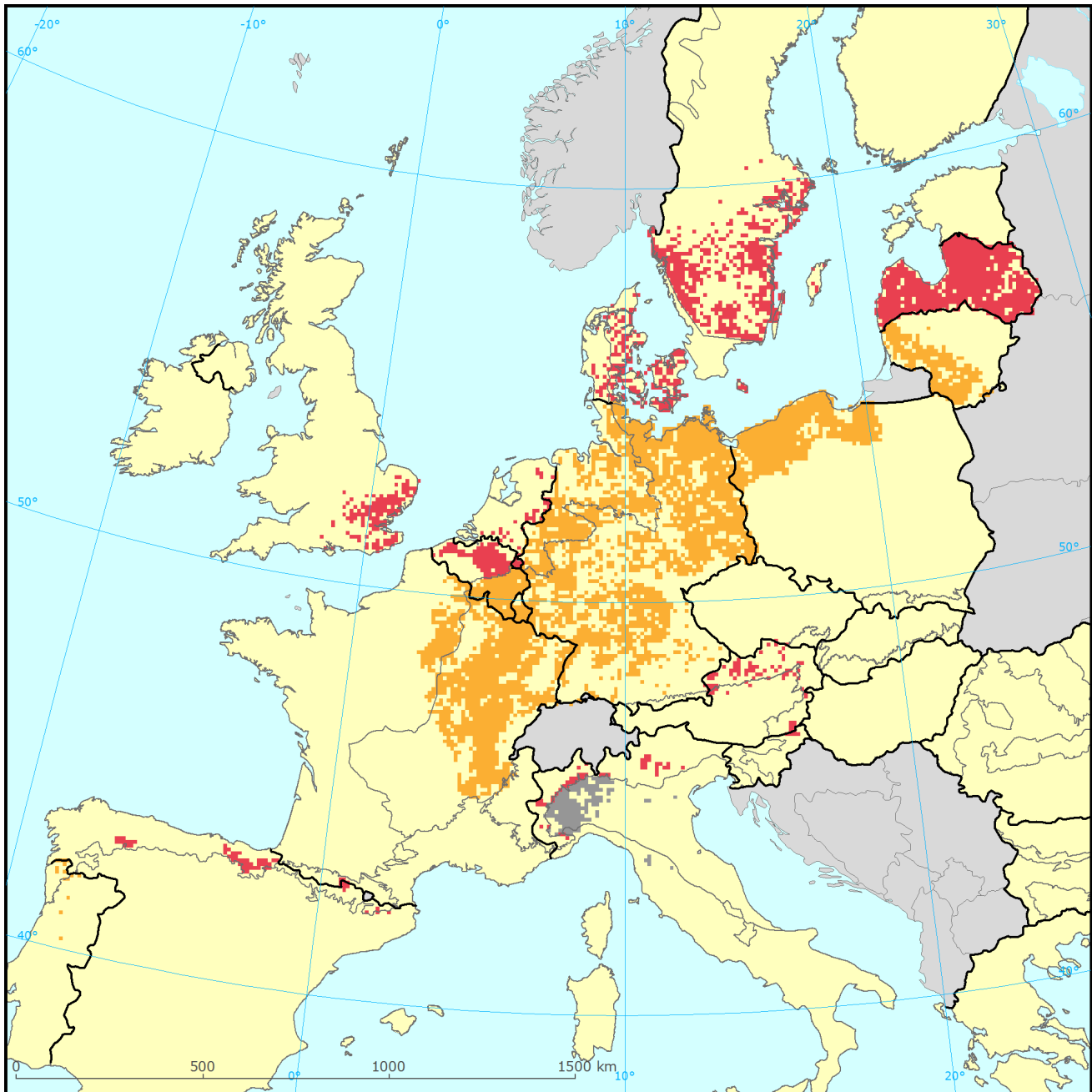
Region	Conservation status (CS) of parameters				Current CS	Trend in CS	% in region	Previous CS	Reason for change
	Range	Area	Structure & Functions	Future prospects					
ALP	U2	U2	U2	U2	U2	-	1	U2	
ATL	FV	U1	U1	U2	U2	-	15	U1	Not genuine
BOR	FV	U2	U2	U2	U2	=	23	U2	
CON	FV	U1	U1	U1	U1	+	60	U1	
MED	XX	XX	XX	XX	XX		0.34	U1	Not genuine

See the endnote for more informationⁱ

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



Report under the Article 17 of the Habitats Directive

Assessment of conservation status at the Member State level



Habitat: 9160

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 (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	U2	U2	U2	=	16.2	U2	
ES	ALP	XX	XX	U2	U1	U2	x	17.6	U1	Changed method
IT	ALP	U2	U2	U2	U2	U2	-	66.2	U1	Changed method
BE	ATL	FV	U2	U1	U2	U2	x	10.7	U1	Changed method
DE	ATL	FV	U1	U1	U1	U1	-	43.8	U1	Genuine
DK	ATL	FV	FV	U2	U2	U2	=	2.2	FV	Changed method
ES	ATL	XX	XX	U2	U1	U2	x	5.9	XX	Changed method
FR	ATL	XX	FV	FV	U1	U1	=	16.0	U1	
NL	ATL	FV	U1	U2	U2	U2	-	4.7	U2	
PT	ATL	XX	U1	U1	XX	U1	x	1.0	U1	
UK	ATL	FV	FV	FV	U2	U2	-	15.8	U2+	Changed method
LT	BOR	FV	U1	U1	U1	U1	=	16.5	U1	Genuine
LV	BOR	FV	U2	U2	U2	U2	-	45.3	FV	Changed method
SE	BOR	FV	U2	U1	U2	U2	+	38.2	U2	Better data
AT	CON	FV	FV	U2	U2	U2	=	1.9	U2	
BE	CON	FV	FV	U1	U1	U1	+	3.5	U2	Changed method
DE	CON	FV	U1	U1	U1	U1	-	44.3	U1	Genuine
DK	CON	FV	FV	U2	U2	U2	=	5.0	FV	Changed method
FR	CON	FV	FV	U1	U1	U1	=	23.2	U1	
IT	CON	XX	XX	XX	XX	XX		3.9	U1	No data
LU	CON	FV	FV	U1	U1	U1	-	0.6	FV	Changed method
PL	CON	FV	U1	U1	FV	U1	+	13.9	U1	
SE	CON	FV	U2	U1	U2	U2	x	3.6	U2	Better data
IT	MED	XX	XX	XX	XX	XX		63.2	U1	No data
PT	MED	XX	U1	U1	XX	U1	x	36.8	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.

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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
B02	Forest and plantation management & use	21
K02	Vegetation succession/Biocenotic evolution	11
H04	Air pollution, air-borne pollutants	9
J02	Changes in water bodies conditions	9
F03	Hunting and collection of terrestrial wild animals	8
I01	Invasive alien species	8
J03	Other changes to ecosystems	8
B03	Forest exploitation	6
B01	Afforestation	4
G01	Outdoor sports, leisure and recreational activities	4

Ten most frequently reported 'highly important' threats

Code	Activity	Frequency
B02	Forest and plantation management & use	15
H04	Air pollution, air-borne pollutants	10
K02	Vegetation succession/Biocenotic evolution	10
F03	Hunting and collection of terrestrial wild animals	8
I01	Invasive alien species	8
K04	Interspecific floral relations	8
J02	Changes in water bodies conditions	7
B03	Forest exploitation	5
J03	Other changes to ecosystems	5
B01	Afforestation	3

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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	ATL	BOR	CON	MED
AT	29			57	
BE		46		49	
DE		x		78	
DK		15		15	
ES	86	100*			
FR		0		34	
IT	12			21	16
LT			100		
LU				29	
LV			9		
NL		62			
PL				22	
PT		x			x
SE			18	69	
UK		37			

See the endnotes for more informationⁱⁱ

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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
3.2	Adapt forest management	24
3.1	Restoring/improving forest habitats	22
6.1	Establish protected areas/sites	18
6.3	Legal protection of habitats and species	12
6.2	Establishing wilderness areas/ allowing succession	8
6.4	Manage landscape features	4
2.0	Other agriculture-related measures	2
3.0	Other forestry-related measures	2
4.0	Other wetland-related measures	2
4.2	Restoring/improving the hydrological regime	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/habitat/summary/?group=Forests&period=3&subject=9160>

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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 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.