Report under the Article 17 of the Habitats Directive
Period 2007-2012

**European Environment
Agency**
*European Topic Centre
on Biological Diversity*

Geomalacus maculosus

Annex   II, IV
Priority   No
Species group   Molluscs
Regions   Atlantic, Mediterranean

An Atlantic terrestrial gastropod mollusc occurring in Ireland, Portugal and Spain. The species occurs on wet and dark stands like wet shaded rocks, boulders, fallen tree trunks and others in forest, coastal or even open habitats.

The conservation status is "Unfavourable Inadequate" in Atlantic region and "Unknown" in Mediteranean region. The Atlantic situation is because of the Range in Spain that is "Unfavouralbe Inadequate".

Main threats are biocides, fertilizers, drainage and wrong forest management.
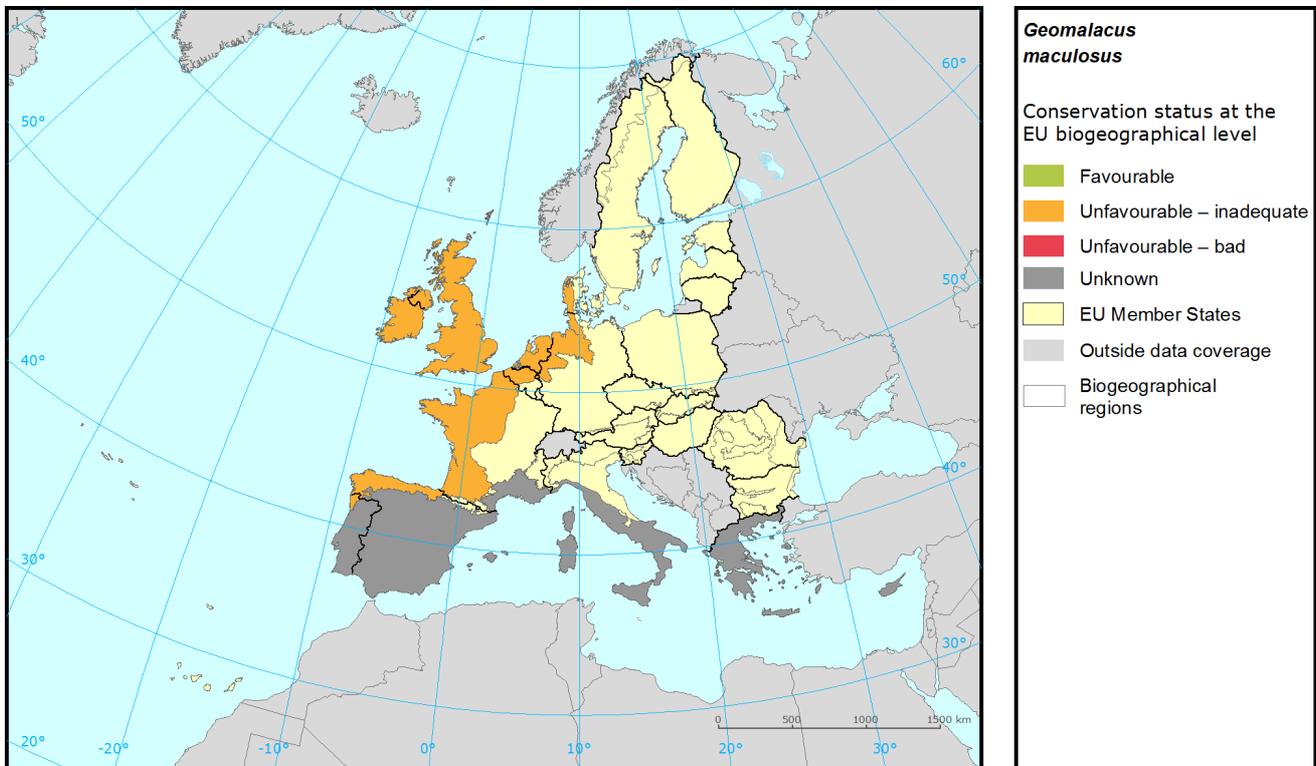
Changes in overall conservation status between 2001-06 and 2007-12 report are mostly caused by different methodical approach and better data rather than real change in conservation status in Atlantic region. No changes in overall conservation status between 2001-06 and 2007-12 reports Mediterranean region.

Better data are requested from Portugal.

Species: *Geomalacus maculosus*
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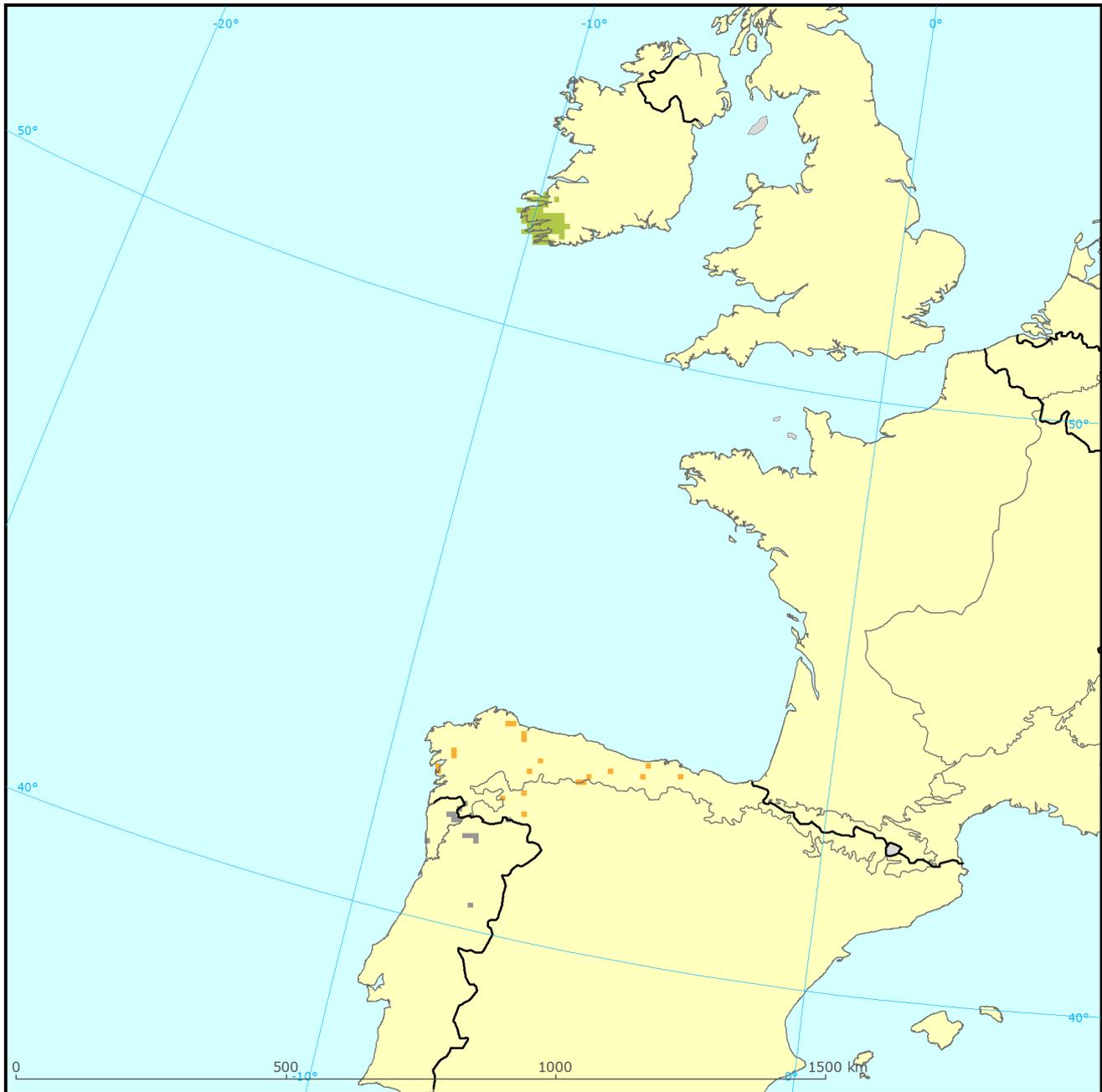## Assessment of conservation status at the European biogeographical level

Region	Conservation status (CS) of parameters				Current CS	Trend in CS	% in region	Previous CS	Reason for change
	Range	Population	Habitat	Future prospects					
ATL	U1	FV	FV	FV	U1	+	88	XX	Not genuine
MED	XX	XX	XX	XX	XX		12	XX	

See the endnote for more information[i]

Species: *Geomalacus maculosus*

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Assessment of conservation status at the Member State level

Geomalacus maculosus

Distribution and conservation status at the Member State level

- 🟩 Favourable
- 🟧 Unfavourable – inadequate
- 🟥 Unfavourable – bad
- ⬜ Unknown

- ▭ EU Member States
- ⬜ Outside data coverage
- ▢ Biogeographical region

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					
ES	ATL	U1	FV	FV	FV	U1	+	21.1	XX	Changed method
IE	ATL	FV	FV	FV	FV	FV		69.7	FV	
PT	ATL	XX	XX	XX	XX	XX		9.2	XX	
ES	MED	U1	U1	FV	FV	U1	=	40.0	XX	Changed method
PT	MED	XX	XX	XX	XX	XX		60.0	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	25
B04	Use of 'pesticides' (forestry)	25
B05	Use of fertilizers (forestry)	25
J02	Changes in water bodies conditions	25

Ten most frequently reported 'highly important' threats

Code	Activity	Frequency
B02	Forest and plantation management & use	22
B04	Use of 'pesticides' (forestry)	22
B05	Use of fertilizers (forestry)	22
J02	Changes in water bodies conditions	22
I01	Invasive alien species	11

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

	ATL	MED
ES	10	9
IE	46	
PT	x	x

See the endnotes for more information[ii]

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
3.1	Restoring/improving forest habitats	33
6.3	Legal protection of habitats and species	33
7.0	Other species management measures	22
3.2	Adapt forest management	11

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=Molluscs&period=3&subject=Geomalacus+maculosus

[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.