



## Mauremys leprosa

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<b>Annex</b>	II, IV
<b>Priority</b>	No
<b>Species group</b>	Reptiles
<b>Regions</b>	Atlantic, Mediterranean

### *Mauremys leprosa*

The Mediterranean Turtle occurs in the western Mediterranean region in both Iberia and northwestern Africa. It inhabits virtually all available freshwater and brackish waterbodies within its range, while preferring large, permanent waterbodies (Keller and Busack, 2001).

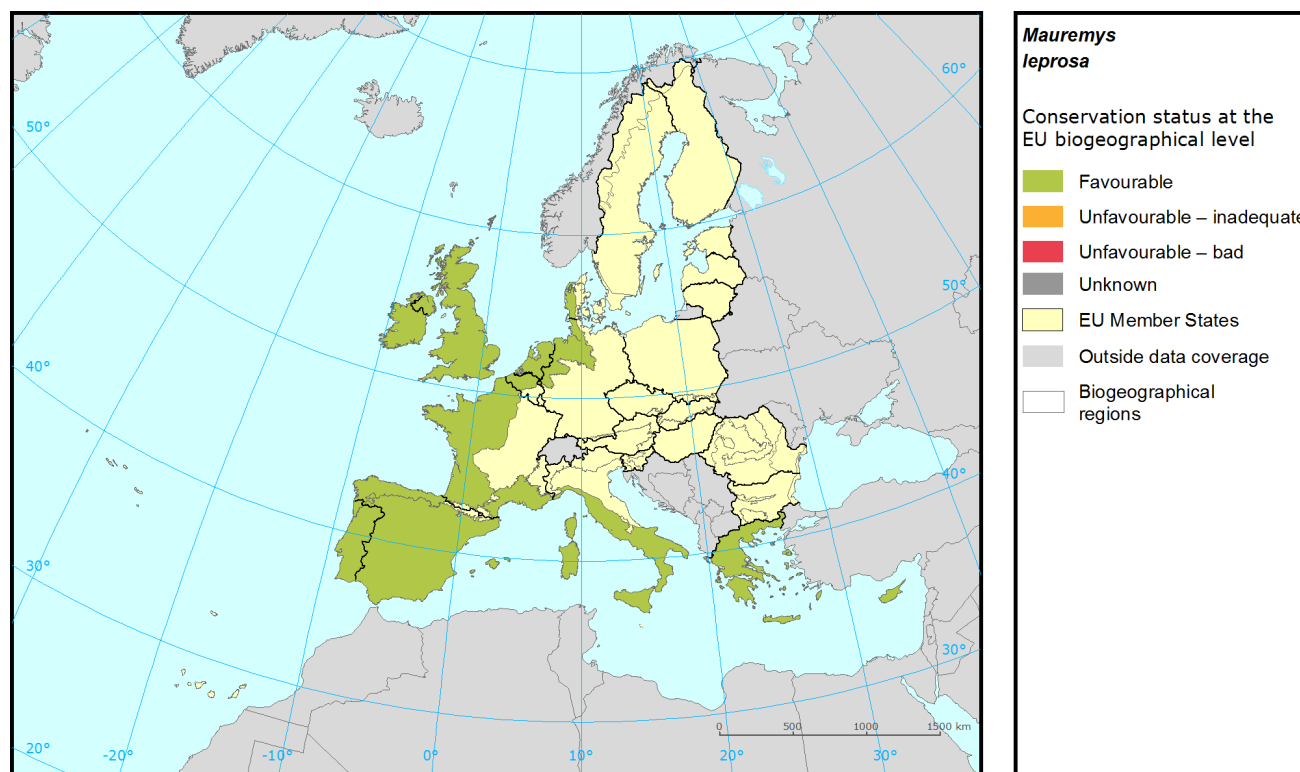
The species is reported by Spain, France and Portugal in the Mediterranean biogeographical region and by Portugal in the Atlantic region. The conservation status of both biogeographical regions is assessed as 'favourable' for the current reporting period. This represents a change from 'unknown' to 'favourable' for the Mediterranean biogeographical region, which is largely due to a change in the methodology used by Spain. All Member States reported a conservation status of 'favourable', with the exception of France, which reported a conservation status of 'unfavourable-inadequate' in both reporting periods. Portugal reported several high-ranking pressures and threats for this species, including 'management of aquatic and bank vegetation for drainage purposes', 'landfill, land reclamation and drying out', 'reduction of habitat connectivity' and 'continuous urbanisation'. Moreover, France reported the high-ranking pressures and threats 'pollution of surface waters', 'mining and quarrying' and 'invasive non-native species'. Spain reported 'pollution of surface waters' and 'changes in hydraulic conditions' as medium-ranked pressures and threats.

The IUCN Red List classifies the species as vulnerable, due to a large population size reduction due to causes that have not ceased and which are projected to continue into the future (<http://www.iucnredlist.org/details/158468/1> consulted on 25 February 2015).

# Species: *Mauremys leprosa*

Report under the Article 17 of the Habitats Directive

## Assessment of conservation status at the European biogeographical level

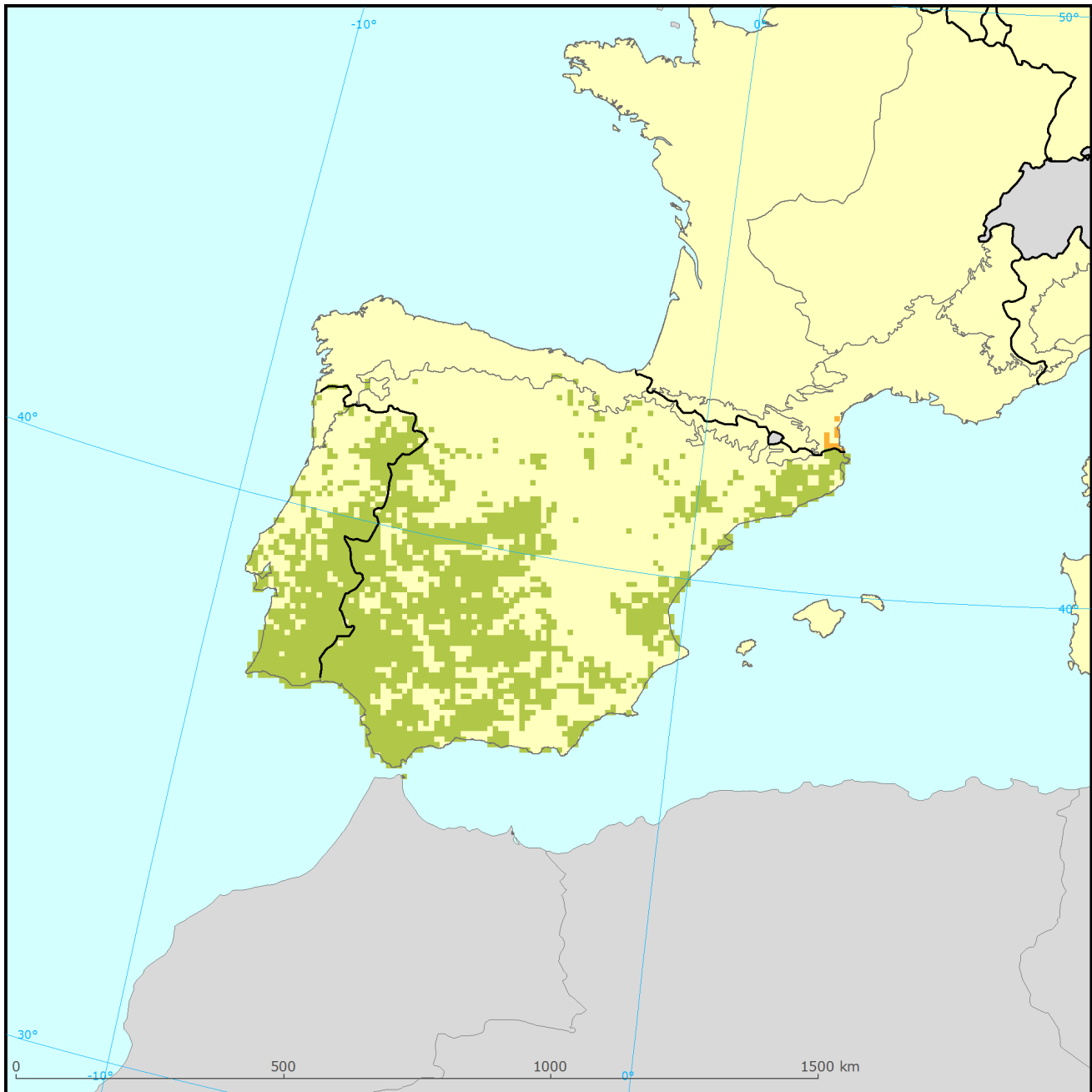


Region	Conservation status (CS) of parameters				Current CS	Trend in CS	% in region	Previous CS	Reason for change
	Range	Population	Habitat	Future prospects					
ATL	FV	XX	FV	FV	FV	=	0.36	FV	
MED	FV	FV	FV	XX	FV		100	XX	Not genuine

See the endnote for more information<sup>i</sup>

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## Assessment of conservation status at the Member State level



### *Mauremys leprosa*

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 of parameters				Current CS	Trend in CS	% in region	Previous CS	Reason for change
		Range	Population	Habitat	Future prospects					
PT	ATL	FV	XX	FV	FV	FV		100.0	FV	
ES	MED	FV	FV	FV	XX	FV		75.3	XX	Changed method
FR	MED	XX	XX	XX	U1	U1	=	0.4	U1	
PT	MED	FV	XX	FV	FV	FV		24.3	FV	

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
J02	Changes in water bodies conditions	33
J03	Other changes to ecosystems	33
C01	Mining and quarrying	17
E01	Urbanisation and human habitation	17

### Ten most frequently reported 'highly important' threats

Code	Activity	Frequency
J02	Changes in water bodies conditions	22
J03	Other changes to ecosystems	22
A01	Agricultural cultivation	11
C01	Mining and quarrying	11
E01	Urbanisation and human habitation	11
H01	Pollution to surface waters	11
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
<b>ES</b>		3
<b>FR</b>		58
<b>PT</b>	x	x

See the endnotes for more information<sup>ii</sup>

## 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
4.0	Other wetland-related measures	29
4.2	Restoring/improving the hydrological regime	21
2.1	Maintaining grasslands and other open habitats	14
3.1	Restoring/improving forest habitats	14
4.1	Restoring/improving water quality	7
6.3	Legal protection of habitats and species	7
7.4	Specific single species or species group management measures	7

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=Reptiles&period=3&subject=Mauremys+leprosa>

# Species: *Mauremys leprosa*

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<sup>i</sup>**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.

<sup>ii</sup>**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.