



Ochyraea tatrensis

Annex	II
Priority	No
Species group	Non-vascular plants
Regions	Alpine

Ochyraea tatrensis is a species of moss in the Hypnobartlettiaceae family endemic to Slovakia. Its natural habitat is rivers. It is threatened by habitat loss. It is known only from three localities in Europe all in central Slovakia in the Nízke Tatry national park, in the area of proposed reservation "Chabenec". All three localities are near each other and at altitude c.1600 m. Type locality is just below a tourist road, the other in a closed valley somewhat far away from civilisation. Each site is no longer than 50 m. The species is growing on granitic stones or rocks under water, in stream, and mostly below small waterfalls.

The moss still occurs at all sites inside the national park, but the quantity of the population is very decreasing. The moss is very sensitive to pollution and any decline in the quality of the air and water of this catchment can threaten the species to extinction as well as any change in the water regime. Maybe also the competition of the more aggressive and expansive species *Hygrohypnum smithii* is responsible for the threat of this species. If the sites can be further protected from pollution, tourist roads, bridges etc. the species may survive. However, perhaps even more important is to prevent any changes in the water regime, since that could promote the aggressive competing species *Hygrohypnum smithii*, who in the long run most probably will out-compete the *Ochyraea* population.

The species is redlisted in Slovakia as Critically Endangered (CR) and it's conservation status is "Unfavourable Inadequate" in the Alpine region and the trend is negative according to populations data.

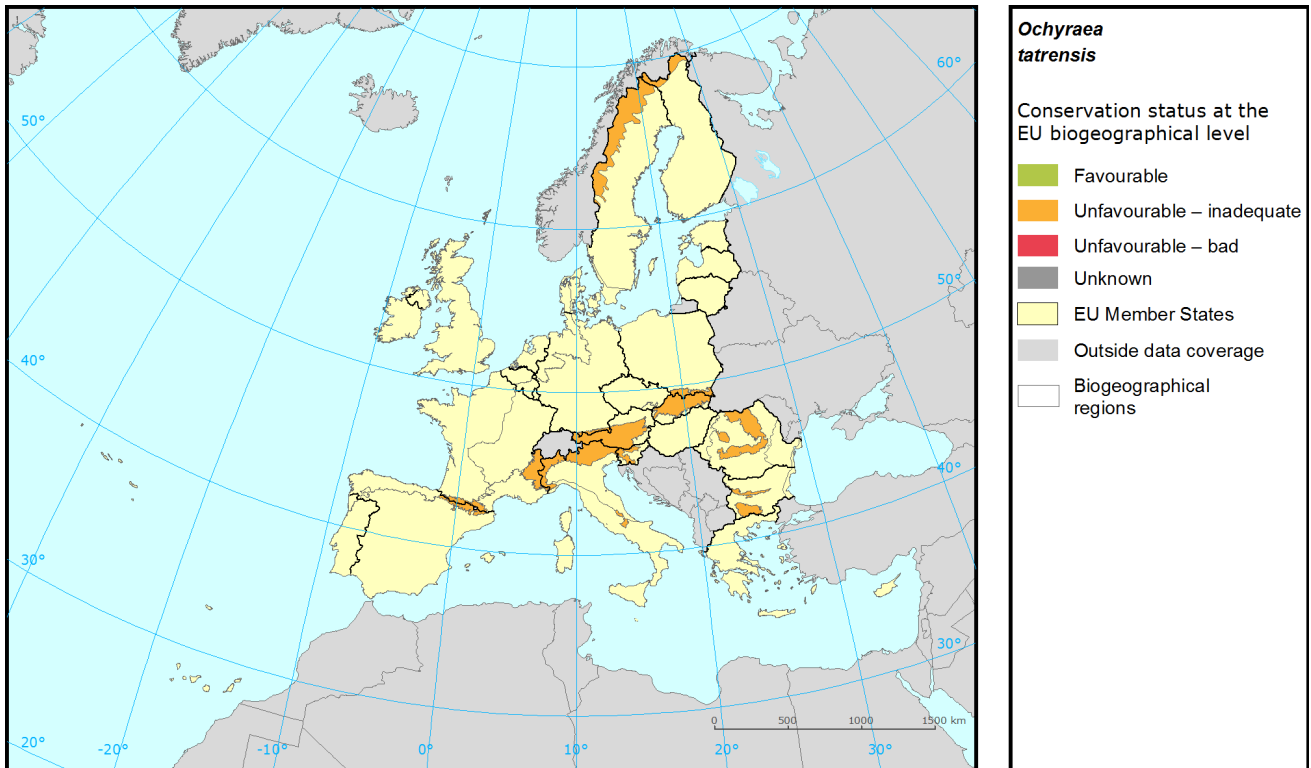
The main threats are water and air pollution.

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.

Better data is required from Slovakia.

Species: *Ochyraea tatrensis*
 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					
ALP	XX	XX	XX	XX	U1	x	100	XX	Not genuine

See the endnote for more informationⁱ

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Assessment of conservation status at the Member State level



Ochyraea tatrensis

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					
SK	ALP	XX	XX	XX	XX		100.0	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
No 'highly important' pressures were reported.		

Ten most frequently reported 'highly important' threats

Code	Activity	Frequency
No 'highly important' threats were reported.		

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

ALP	
SK	100

See the endnotes for more informationⁱⁱ

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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
6.1	Establish protected areas/sites	50
6.3	Legal protection of habitats and species	50

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=Non-vascular+plants&period=3&subject=Ochyraea+tatrensis>

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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.

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.