



## Scapania massalongii

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|                      |                     |
|----------------------|---------------------|
| <b>Annex</b>         | II                  |
| <b>Priority</b>      | No                  |
| <b>Species group</b> | Non-vascular plants |
| <b>Regions</b>       | Alpine, Boreal      |

*Scapania massalongii* is a leafy liverwort, 2-3 mm long and 1 mm wide. It is only known to grow on decaying wood in virgin forest in mountainous areas. The species is threatened by inappropriate commercial forestry and woodland management practices, such as clearing away fallen dead wood. The centre of the distribution of this liverwort is the subarctic zone of Eurasia and northern America. The isolated occurrences in the subalpine region are of relict origin.

It is included in the national red lists in all countries, where it has been reported. According to the European Bryophyte Red Lists the species is Critically Endangered (CR) in Europe.

It has been reported from Austria, Germany, Italy, Slovakia and Sweden. From Finland is reported as occasionally (last finding 2006). It further occurs in Norway and Switzerland and it is considered extinct in Czech Republic.

It is assessed as "Unfavourable Bad" in Boreal region and "Unfavourable Inadequate" in Alpine region, but both Germany and Slovakia have reported all parameters and overall as "Unknown". Trend are negative in Alpine region and stable in Boreal region.

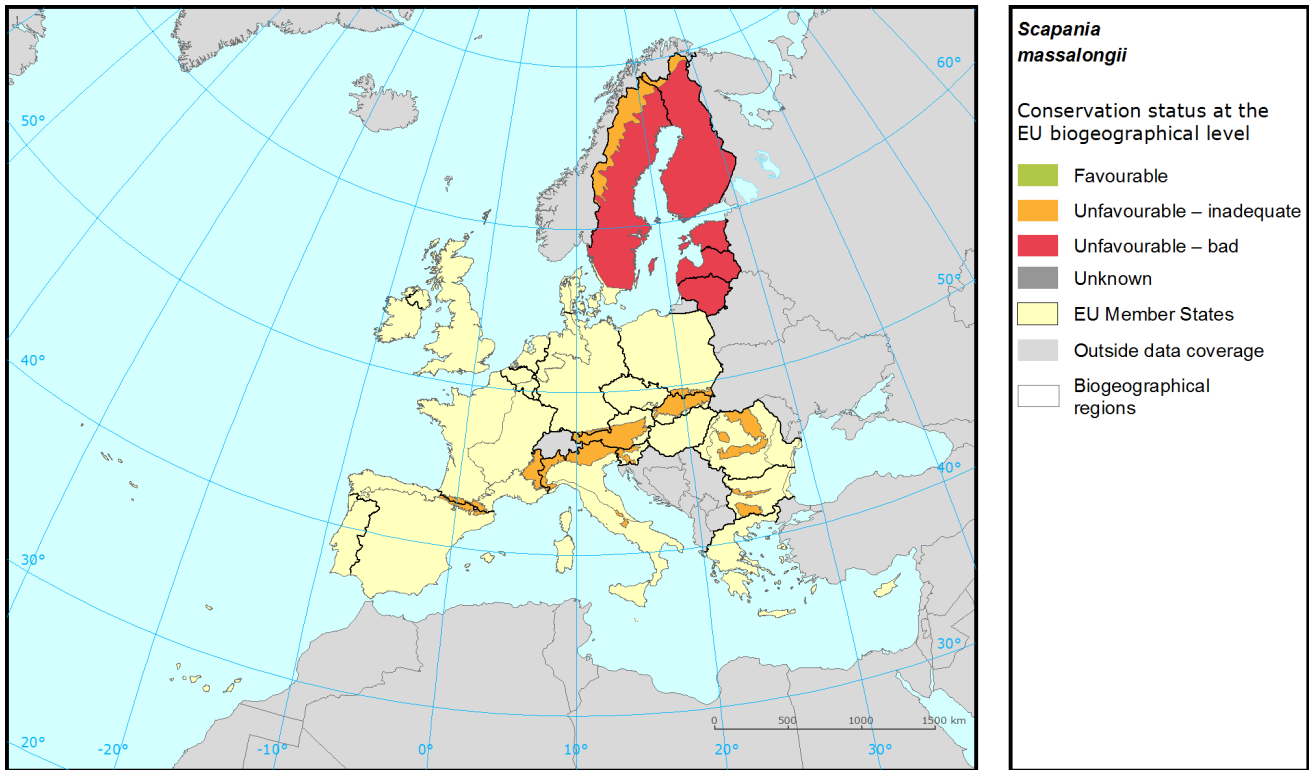
Main threats are connected to forestry activities, forestry clearance and removal of dead wood.

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 Alpine region. No changes in overall conservation status between 2001-06 and 2007-12 reports in Boreal region.

Better data is required from Germany and Slovakia.

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## Assessment of conservation status at the European biogeographical level

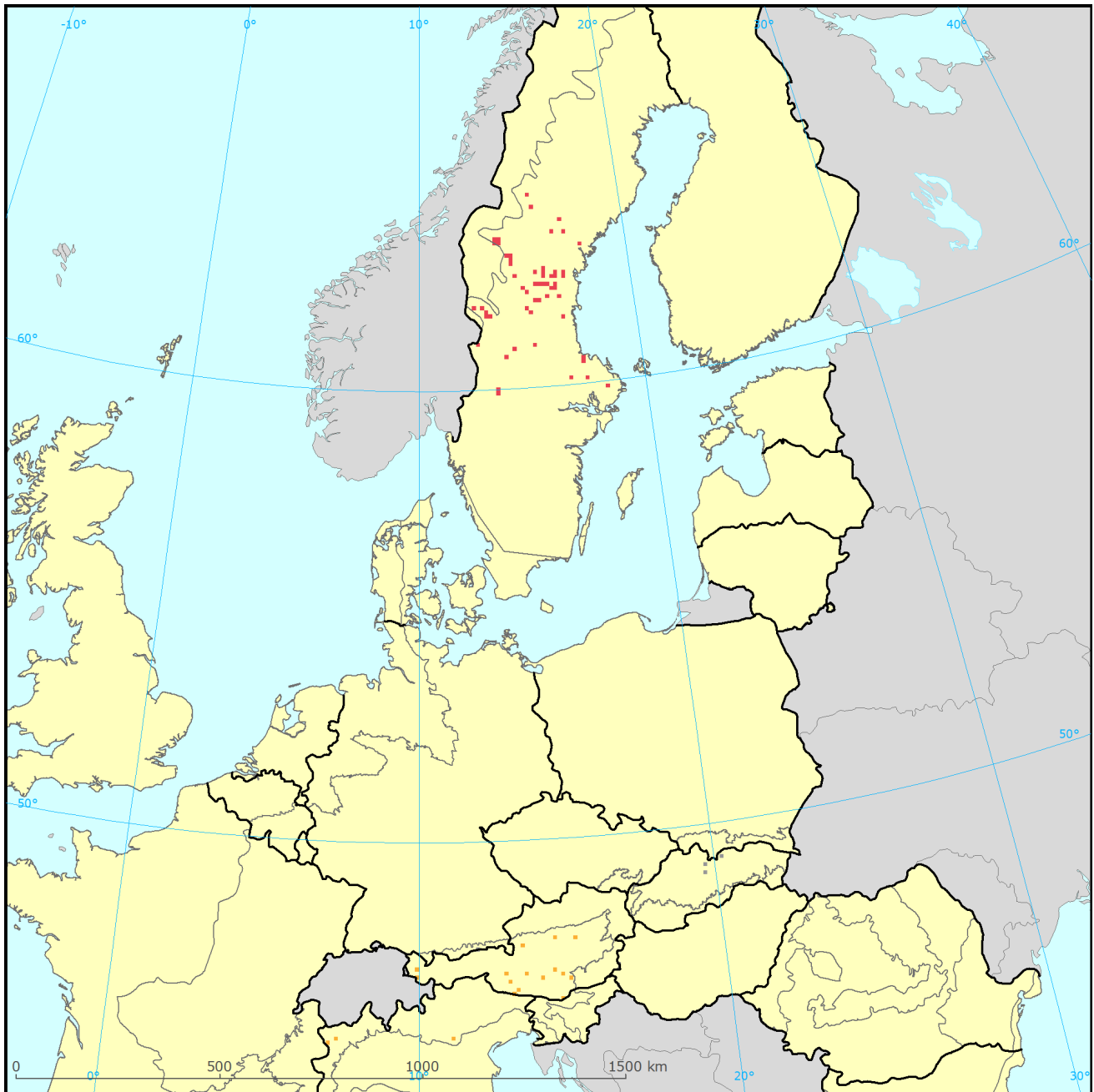


| Region | Conservation status (CS) of parameters            |   |   |   | Current CS  | Trend in CS | % in region | Previous CS                                     | Reason for change |
|--------|---|---|---|---|---|-------------|-------------|---|-------------------|
|        | Range   | Population  | Habitat   | Future prospects                                  |   |             |             |   |                   |
| ALP    | <span style="background-color: orange;">U1</span> | <span style="background-color: orange;">U1</span> | <span style="background-color: grey;">XX</span> | <span style="background-color: orange;">U1</span> | <span style="background-color: orange;">U1</span> | -           | 28          | <span style="background-color: grey;">XX</span> | Not genuine       |
| BOR    | <span style="background-color: red;">U2</span>    | <span style="background-color: red;">U2</span>    | <span style="background-color: red;">U2</span>  | <span style="background-color: orange;">U1</span> | <span style="background-color: red;">U2</span>    | =           | 72          | <span style="background-color: red;">U2</span>  |                   |

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

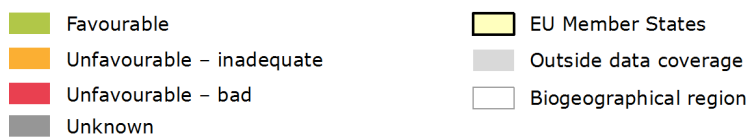
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## Assessment of conservation status at the Member State level



### *Scapania massalongii*

Distribution and conservation status at the Member State level



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.

# Species: *Scapania massalongii*

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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 |            |             |             |             |                   |
| AT ALP    | U1                                | U1         | U1      | U1               | U1         | -           | 68.2        |             |                   |
| DE ALP    | XX                                | XX         | XX      | XX               | XX         |             | 4.5         | XX          |                   |
| IT ALP    | U1                                | U1         | XX      | U1               | U1         | -           | 13.6        | U1          | No data           |
| SK ALP    | XX                                | XX         | XX      | XX               | XX         |             | 13.6        | XX          |                   |
| FI BOR    |                                   |            |         |                  |            |             |             |             |                   |
| SE BOR    | U1                                | U2         | U2      | U1               | U2         | -           | 100.0       | U2          | 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 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 | 40        |
| J02  | Changes in water bodies conditions     | 20        |
| K04  | Interspecific floral relations         | 20        |
| L07  | Storm, cyclone                         | 20        |

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

| Code | Activity                               | Frequency |
|------|--|-----------|
| B02  | Forest and plantation management & use | 50        |
| J02  | Changes in water bodies conditions     | 25        |
| K04  | Interspecific floral relations         | 25        |

## 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 | BOR |
|----|-----|-----|
| AT | 11  |     |
| DE | x   |     |
| IT | x   |     |
| SE |     | 73  |
| SK | 100 |     |

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 |
|------|--|-----------|
| 6.1  | Establish protected areas/sites          | 40        |
| 6.3  | Legal protection of habitats and species | 40        |
| 3.2  | Adapt forest management                  | 20        |

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=Scapania+massalongii>

# Species: *Scapania massalongii*

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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.