



Serratula lycopifolia

| | |
|----------------------|---|
| Annex | II, IV |
| Priority | Yes |
| Species group | Vascular plants |
| Regions | Alpine, Continental, Mediterranean, Pannonian |

The Hungarian saw-wort (*Serratula lycopifolia*) is a perennial tall herb with a fragmented range. *S. lycopifolia* grows on sunny or slightly shaded, grassy but also bushy hillsides, on deep, rather heavy-textured soils formed on loesses or limestone rich in minerals. It occurs in both lowlands and hilly areas. The species is endemic in Europe. The main distribution is centered around the Black Sea and in the Great Hungarian Lowland (Pontic-Pannonian range). It grows most abundantly in Ukraine, Romania and southern Russia and from there it spreads into Hungary, Austria, Slovenia, Croatia and Poland. It can be found rarely in Slovakia, the Czech Republic, isolated in Italy (Abruzzo) and in southeastern France. *S. lycopifolia* is considered threatened due to abandonment of grassland and subsequent vegetation succession, intensification of agriculture, overgrazing, modification of agricultural practices, and, locally, urbanization. Nevertheless the species was classed as Data Deficient (DD) in the EU 27 Red List.

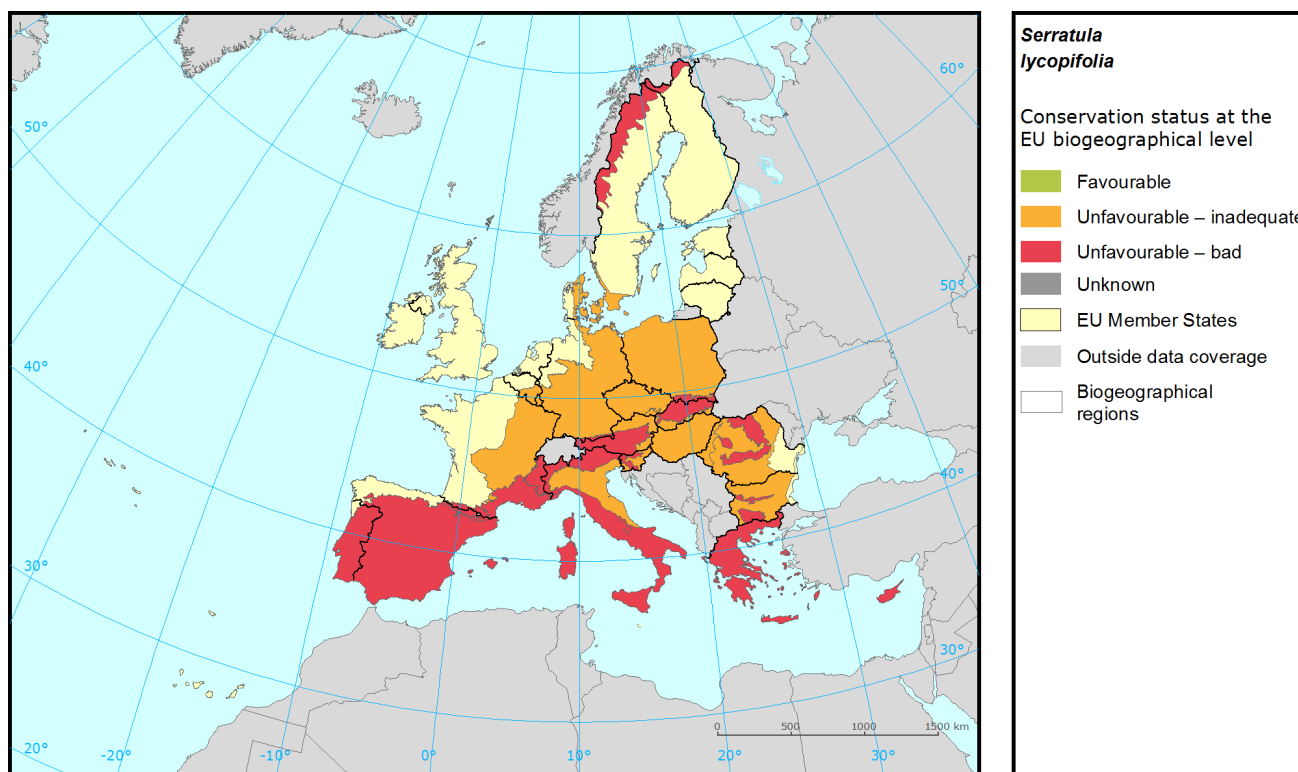
The species has an "Unfavourable Inadequate" but stable status in its main distribution area, which is in the Pannonian and the Continental regions. The marginal occurrences in the Alpine region and the isolated occurrences in the Mediterranean region are in an "Unfavourable Bad" status, stable in Alpine and decreasing trend in Mediterranean region.

Main threats are abandonment, lack of mowing, grazing, agricultural intensification, modification of cultivation practices, urbanisation and walking, horseriding and non-motorised and motorised vehicles.

Changes in overall conservation status between 2001-06 and 2007-12 report are genuine to the worse in Mediterranean region. No changes in overall conservation status between 2001-06 and 2007-12 reports in Alpine, Continental and Pannonian region.

Species: *Serratula lycopifolia*
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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 | U1 | U1 | U1 | U2 | U2 | = | 2 | U2 | |
| CON | U1 | U1 | U1 | U1 | U1 | = | 34 | U1 | |
| MED | FV | U2 | U1 | U2 | U2 | - | 34 | U1 | Genuine |
| PAN | FV | U1 | U1 | U1 | U1 | = | 30 | U1 | |

See the endnote for more informationⁱ

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Assessment of conservation status at the Member State level



Serratula lycopifolia

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 | | | | | |
| AT | ALP | FV | U1 | U1 | U1 | = | 100.0 | | | |
| SK | ALP | U2 | U2 | U1 | U2 | = | | U2 | | |
| AT | CON | U1 | U2 | U2 | U2 | = | 11.8 | | | |
| CZ | CON | FV | FV | U1 | U1 | = | 11.8 | FV | Genuine | |
| PL | CON | FV | U1 | U1 | U1 | - | 11.8 | U2 | Genuine | |
| RO | CON | U1 | U1 | U1 | U1 | | 47.1 | | | |
| SI | CON | FV | FV | U1 | FV | = | 17.6 | U1 | | |
| FR | MED | FV | U2 | U1 | U2 | - | 100.0 | U1 | Genuine | |
| CZ | PAN | FV | U1 | FV | U1 | = | 33.3 | U1 | | |
| HU | PAN | FV | FV | U1 | U1 | = | 66.7 | 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.

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 |
|------|---|-----------|
| A03 | Mowing or cutting grasslands | 21 |
| K05 | Reduced fecundity/Genetic depression | 21 |
| A02 | Modification of cultivation practices | 14 |
| K02 | Vegetation succession/Biocenotic evolution | 14 |
| A05 | Farming and breeding of livestock | 7 |
| E01 | Urbanisation and human habitation | 7 |
| G01 | Outdoor sports, leisure and recreational activities | 7 |
| K04 | Interspecific floral relations | 7 |

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Ten most frequently reported 'highly important' threats

| Code | Activity | Frequency |
|------|---|-----------|
| A03 | Mowing or cutting grasslands | 23 |
| K02 | Vegetation succession/Biocenotic evolution | 23 |
| A02 | Modification of cultivation practices | 15 |
| A05 | Farming and breeding of livestock | 8 |
| E01 | Urbanisation and human habitation | 8 |
| G01 | Outdoor sports, leisure and recreational activities | 8 |
| K04 | Interspecific floral relations | 8 |
| K05 | Reduced fecundity/Genetic depression | 8 |

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 | CON | MED | PAN |
|-----------|-----|-----|------|-----|
| AT | 100 | 80 | | |
| CZ | | 100 | | 100 |
| FR | | | 100* | |
| HU | | | | 100 |
| PL | | 100 | | |
| RO | | 100 | | |
| SI | | 100 | | |
| SK | 100 | | | |

See the endnotes for more informationⁱⁱ

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 |
|------|--|-----------|
| 2.1 | Maintaining grasslands and other open habitats | 24 |
| 6.1 | Establish protected areas/sites | 24 |
| 6.0 | Other spatial measures | 18 |
| 6.3 | Legal protection of habitats and species | 18 |
| 3.1 | Restoring/improving forest habitats | 6 |
| 7.0 | Other species management measures | 6 |
| 7.4 | Specific single species or species group management measures | 6 |

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=Vascular+plants&period=3&subject=Serratula+lycopifolia>

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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.