



Maculinea teleius

| | |
|----------------------|---|
| Annex | II, IV |
| Priority | No |
| Species group | Arthropods |
| Regions | Alpine, Atlantic, Boreal, Continental, Mediterranean, Pannonian |

The Scarce Large Blue (*Maculinea teleius*) can be found in moderately nutrient-rich meadows, edges with rough vegetation and parts of shallow bogs with Great Burnet (*Sanguisorba officinalis*). In northern Europe, it occurs in open, short vegetation, but in the warm, southern regions, it is also found in rough vegetation. The butterflies tend to keep near the foodplants. The small caterpillars only feed on the flowerheads for two or three weeks. They then go down to the ground where they wait to be picked up by worker ants of the genus *Myrmica* and carried off to the ants' nest. There they feed on ant grubs. The caterpillars also hibernate and pupate in the ants' nest. The main host over most of Europe is *Myrmica scabrinodis*, with closely related forms or species (with similar management requirements) also used in the south and east. In some regions sufficient individuals also survive with *M. rubra* for this ant (which prefers later successional stages to *M. scabrinodis*) to support a few, perhaps temporary, colonies. Species occurs from Europe to Far East and Japan.

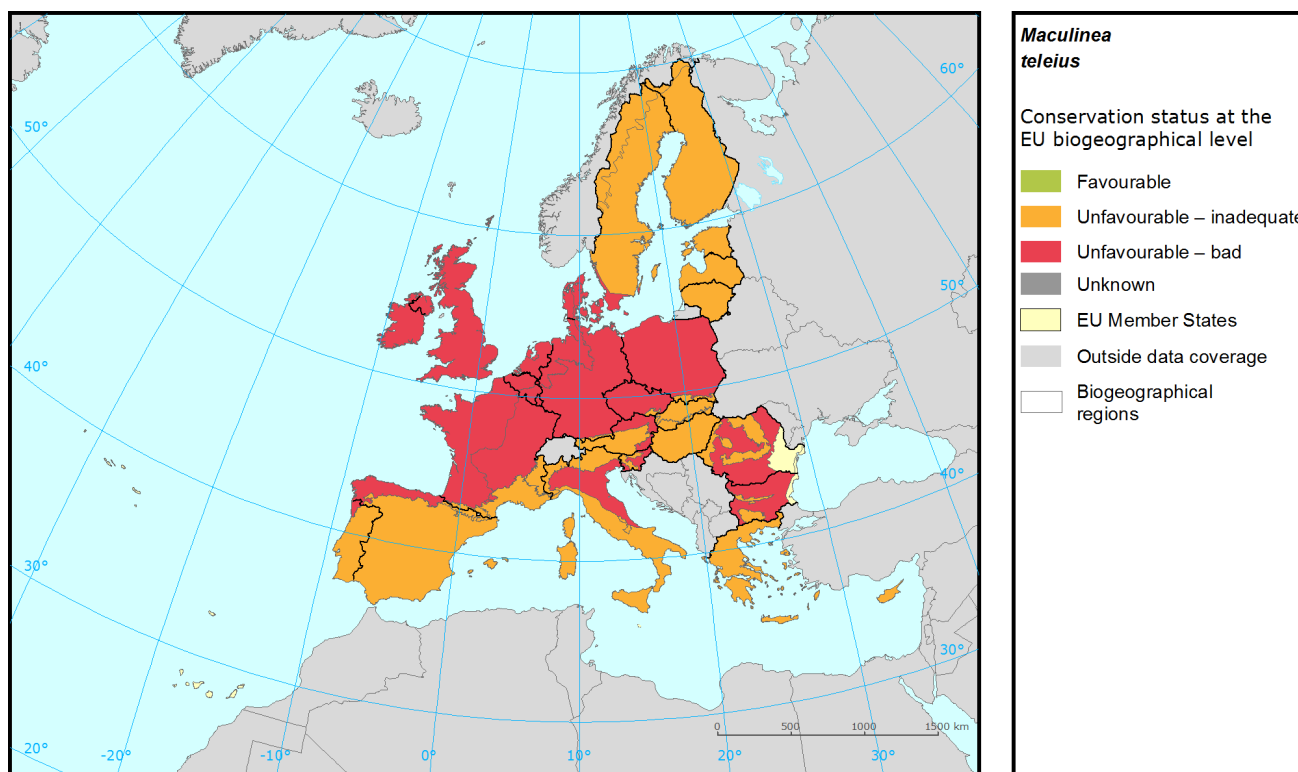
The conservation status is unfavourable-inadequate in Alpine (improving from unfavourable-bad), Boreal (deteriorating from favourable), Mediterranean (previous unknown) and Pannonian (same as previous) bioregions, unfavourable-bad in Atlantic and Continental bioregions (same as previous).

IUCN Red List Status Europe: Vulnerable, EU: Vulnerable, worldwide: Lower Risk/near threatened. The species is listed on the Habitats Directive Annexes 2 and 4. This species is threatened by changes in agricultural management, like drainage, improvement or abandonment.

Species: *Maculinea teleius*

Report under the Article 17 of the Habitats Directive

Assessment of conservation status at the European biogeographical level



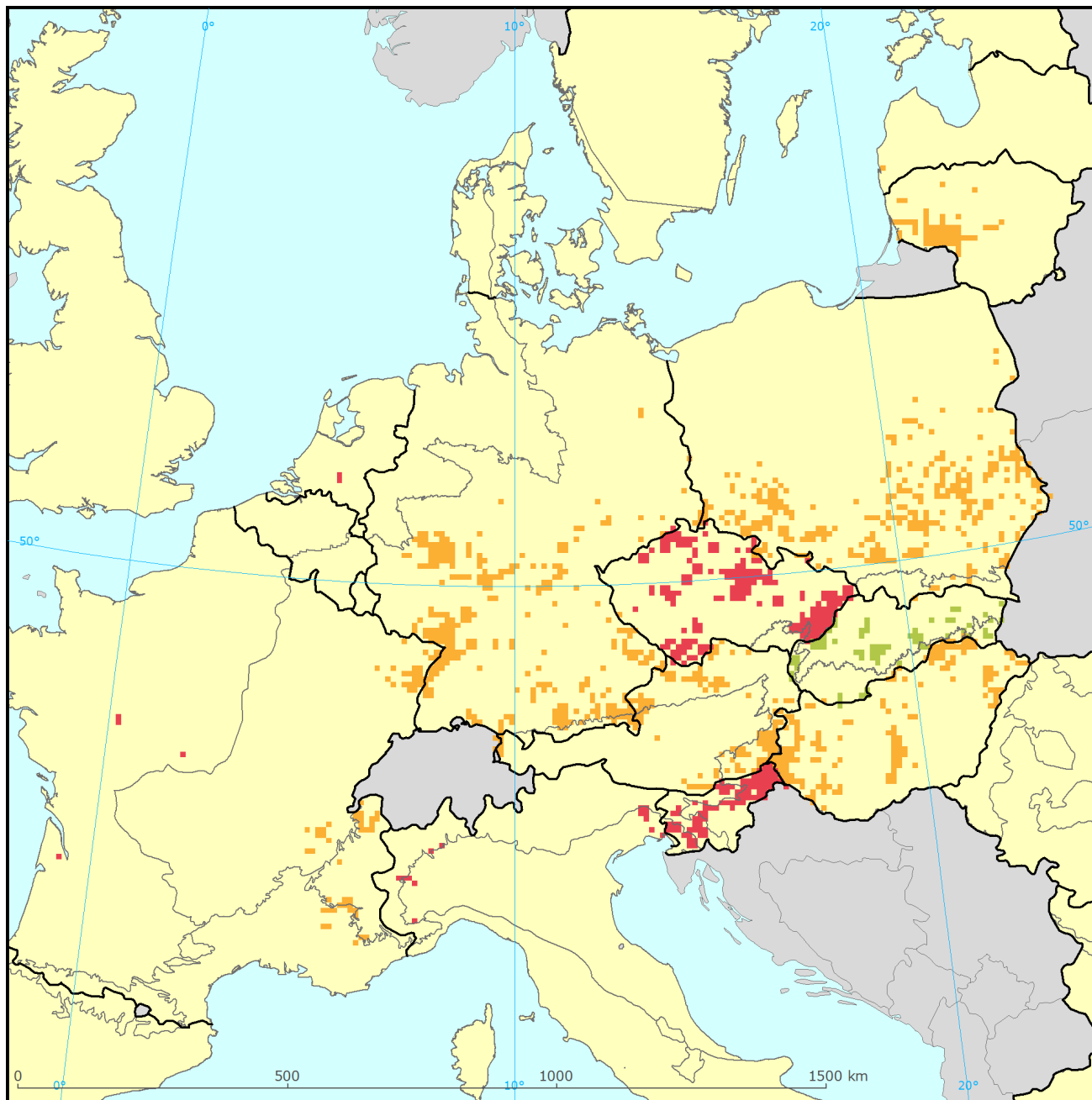
| Region | Conservation status (CS) of parameters | | | | Current CS | Trend in CS | % in region | Previous CS | Reason for change |
|--------|--|------------|---------|------------------|------------|-------------|-------------|-------------|-------------------|
| | Range | Population | Habitat | Future prospects | | | | | |
| ALP | U1 | XX | U1 | XX | U1 | - | 10 | U2 | Genuine |
| ATL | U2 | U2 | U2 | U2 | U2 | x | 0.45 | U2 | |
| BOR | FV | U1 | XX | FV | U1 | + | 4 | FV | Not genuine |
| CON | U1 | U2 | U1 | U2 | U2 | - | 71 | U2 | |
| MED | FV | U1 | U1 | XX | U1 | = | 0.68 | XX | Not genuine |
| PAN | U1 | FV | U1 | U1 | U1 | - | 14 | U1 | |

See the endnote for more informationⁱ

Species: *Maculinea teleius*

Report under the Article 17 of the Habitats Directive

Assessment of conservation status at the Member State level



Maculinea teleius

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.

Species: *Maculinea teleius*

Report under the Article 17 of the Habitats Directive

| 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 | = | 17.3 | U1 | Changed method | |
| DE | ALP | FV | U1 | U1 | U1 | = | 7.1 | U1 | | |
| FR | ALP | FV | XX | U1 | XX | = | 17.3 | U2 | Genuine | |
| PL | ALP | XX | XX | XX | U1 | x | 3.9 | XX | Changed method | |
| RO | ALP | FV | U1 | U1 | U1 | | | | | |
| SI | ALP | U1 | U2 | U2 | U2 | - | 18.1 | U2 | Genuine | |
| SK | ALP | FV | FV | FV | FV | | 36.2 | FV | | |
| FR | ATL | U2 | U1 | XX | U1 | x | 66.7 | U2 | | |
| NL | ATL | U2 | U2 | U2 | U2 | + | 33.3 | U2 | Genuine | |
| LT | BOR | FV | U1 | XX | FV | + | 98.2 | FV | Changed method | |
| LV | BOR | FV | U1 | U1 | U1 | = | 1.8 | U1 | No data | |
| AT | CON | FV | FV | U1 | U1 | = | 8.7 | U1 | Changed method | |
| CZ | CON | U2 | U2 | U1 | U2 | - | 20.0 | U2 | | |
| DE | CON | U1 | U1 | U1 | U1 | - | 28.7 | U1 | Genuine | |
| FR | CON | FV | XX | U1 | XX | = | 3.4 | U1 | | |
| IT | CON | FV | FV | U1 | U2 | - | 1.5 | U2- | | |
| PL | CON | FV | U1 | U1 | U1 | - | 31.4 | U1 | | |
| RO | CON | FV | U1 | U1 | U1 | | | | | |
| SI | CON | U1 | U2 | U2 | U2 | - | 6.3 | U2 | Genuine | |
| FR | MED | FV | U1 | U1 | XX | = | 100.0 | | Better data | |
| CZ | PAN | U2 | U2 | U1 | U2 | - | 1.7 | U2 | | |
| HU | PAN | FV | FV | U1 | U1 | = | 86.7 | U1 | | |
| RO | PAN | U1 | U1 | U1 | U1 | | | | | |
| SK | PAN | FV | FV | FV | FV | | 11.6 | 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.

Species: *Maculinea teleius*

Report under the Article 17 of the Habitats Directive

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 | 29 |
| A02 | Modification of cultivation practices | 20 |
| A01 | Agricultural cultivation | 9 |
| J02 | Changes in water bodies conditions | 9 |
| A07 | Use of 'pesticides' in agriculture | 7 |
| A09 | Irrigation in agriculture | 7 |
| K02 | Vegetation succession/Biocenotic evolution | 7 |
| B01 | Afforestation | 4 |
| A08 | Fertilisation in agriculture | 2 |
| A10 | Restructuring agricultural parcels | 2 |

Ten most frequently reported 'highly important' threats

| Code | Activity | Frequency |
|------|--|-----------|
| A03 | Mowing or cutting grasslands | 32 |
| A02 | Modification of cultivation practices | 15 |
| A01 | Agricultural cultivation | 9 |
| J02 | Changes in water bodies conditions | 9 |
| A07 | Use of 'pesticides' in agriculture | 6 |
| A09 | Irrigation in agriculture | 6 |
| K02 | Vegetation succession/Biocenotic evolution | 6 |
| B01 | Afforestation | 4 |
| A04 | Grazing by livestock | 2 |
| A08 | Fertilisation in agriculture | 2 |

Species: *Maculinea teleius*

Report under the Article 17 of the Habitats Directive

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 | ATL | BOR | CON | MED | PAN |
|----|-----|-----|-----|-----|-----|-----|
| AT | 17 | | | 52 | | |
| CZ | | | | 56 | | 73 |
| DE | 67 | | | 66 | | |
| FR | x | x | | x | x | |
| HU | | | | | | 70 |
| IT | | | | x | | |
| LT | | | 14 | | | |
| LV | | | 100 | | | |
| NL | | 100 | | | | |
| PL | 0 | | | 80 | | |
| RO | 100 | | | 100 | | 100 |
| SI | 100 | | | 100 | | |
| SK | 32 | | | | | 10 |

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 | 38 |
| 6.3 | Legal protection of habitats and species | 24 |
| 6.1 | Establish protected areas/sites | 14 |
| 7.4 | Specific single species or species group management measures | 14 |
| 4.2 | Restoring/improving the hydrological regime | 5 |
| 2.0 | Other agriculture-related measures | 3 |
| 6.4 | Manage landscape features | 3 |

Species: *Maculinea teleius*

Report under the Article 17 of the Habitats Directive

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=Arthropods&period=3&subject=Maculinea+teleius>

Species: *Maculinea teleius*

Report under the Article 17 of the Habitats Directive

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.