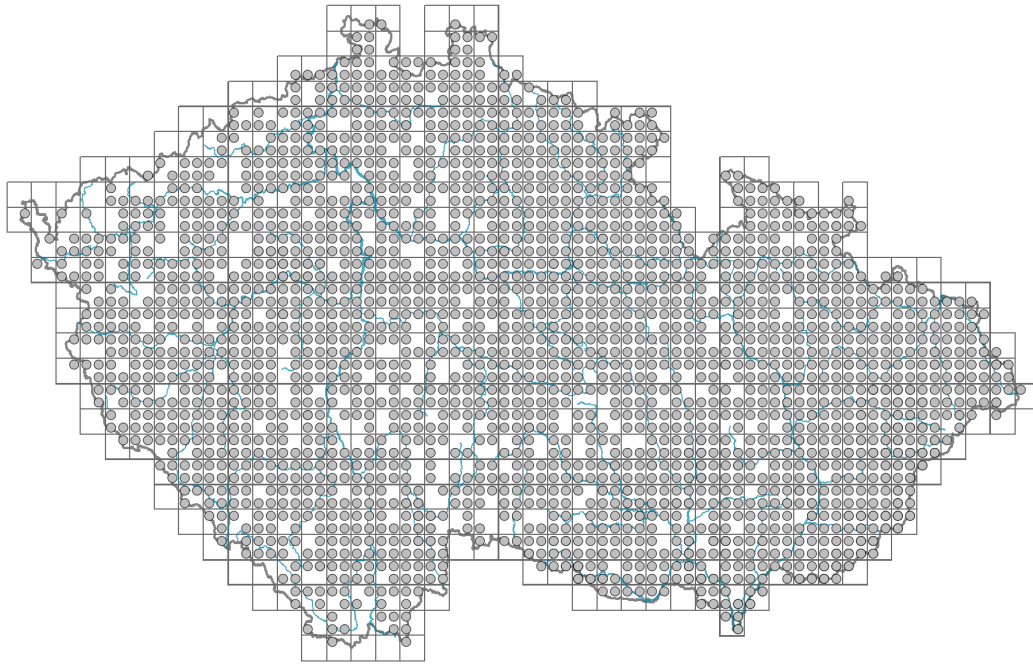


Glechoma hederacea agg.

Distribution



Map info

● revised records

● unrevised records

On the map are not visualized records without the coordinates and records marked as incorrect or doubtful.



Habitus and growth type

Height [m]: **0.15-0.5**

Growth form: **clonal herb**

Life form: **hemicryptophyte**

Life strategy: **CSR - competitor/stress-tolerator/ruderal**

Life strategy (Pierce method based on leaf traits): **R/CR**

Life strategy (Pierce method, C-score): **16.6 %**

Life strategy (Pierce method, S-score): **0 %**

Life strategy (Pierce method, R-score): **83.4 %**

Leaf

Leaf presence and metamorphosis: **leaves present, not modified**

Leaf arrangement (phyllotaxis): **opposite**

Leaf shape: **simple - entire**

Stipules: **absent**

Petiole: **present**

Leaf life span: **evergreen**

Leaf anatomy: **mesomorphic**



Flower

Flowering period [month]: **March-July**

Flowering phase: **3 Prunus avium-Ranunculus auricomus (end of early spring)**
 Flower colour: **white, pink, violet, blue, blue-violet**
 Flower symmetry: **zygomorphic**
 Perianth type: **calyx and corolla**
 Perianth fusion: **fused**
 Shape of the sympetalous corolla or syntepalous perianth: **bilabiate**
 Calyx fusion: **synsepalous**
 Inflorescence type: **pseudospica e verticillastris composita**
 Dicliny: **gynomonoecious, gynodioecious**
 Generative reproduction type: **facultative allogamy**
 Pollination syndrome: **insect-pollination**
 Pollinator spectrum: **honeybee, bumblebees, solitary bees, other Hymenoptera, hoverflies, flies s. l., other Diptera, beetles, nitidulids, thrips, other pollinators**



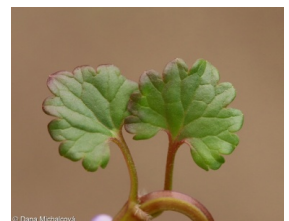
Fruit, seed and dispersal

Fruit type: **dry fruit - cluster of four one-seeded nutlets**
 Fruit colour: **brown, grey**
 Reproduction type: **by seed/spores and vegetatively**
 Dispersal unit (diaspore): **fruit, infrutescence or its part**
 Dispersal strategy: **Allium (mainly autochory)**
 Myrmecochory: **myrmecochorous, myrmecochorous nv**



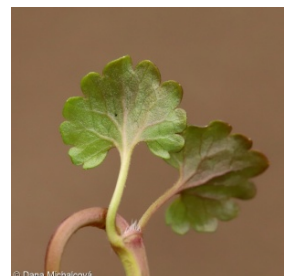
Belowground organs and clonality

Shoot metamorphosis: **stolon**
 Storage organ: **stolon**
 Type of clonal growth organ: **stolon**
 Freely dispersible organs of clonal growth: **absent**
 Shoot life span (cyclicity): **monocyclic shoots prevailing**
 Branching type of stem-derived organs of clonal growth: **monopodial**
 Primary root: **absent**
 Persistence of the clonal growth organ [year]: **1.8**
 Number of clonal offspring: **6**
 Lateral spreading distance by clonal growth [m]: **0.39**



Bud bank

Number of buds per shoot at the soil surface (root buds excluded): **15**
 Number of buds per shoot at a depth of 0-10 cm (root buds excluded): **0**
 Number of buds per shoot at a depth greater than 10 cm (root buds excluded): **0**
 Size of the belowground bud bank (root buds excluded): **15**
 Depth of the belowground bud bank (root buds excluded) [cm]: **1**
 Number of buds per shoot at the soil surface (root buds included): **15**
 Number of buds per shoot at a depth of 0-10 cm (root buds included): **0**
 Number of buds per shoot at a depth greater than 10 cm (root buds included): **0**
 Size of the belowground bud bank (root buds included): **15**
 Depth of the belowground bud bank (root buds included) [cm]: **1**

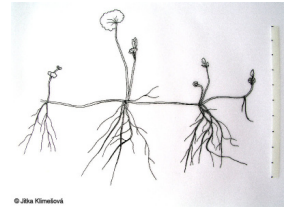


Trophic mode

Parasitism and mycoheterotrophy: **autotrophic**

Carnivory: **non-carnivorous**

Symbiotic nitrogen fixation: **no nitrogen-fixing symbionts**



Karyology

Chromosome number (2n): **18, 24, 36**

Ploidy level (x): **2, 3, 4**

2C genome size [Mbp]: **1520.09**

1Cx monoploid genome size [Mbp]: **380.02**



Taxon origin

Origin in the Czech Republic: **native**

Ecological indicator values

Ellenberg-type indicator values

Light indicator value: **5x - semi-shade plant, only exceptionally occurring in full light, but usually at more than 10% of the diffuse radiation incident in an open area (generalist)**

Temperature indicator value: **6 - transition between values 5 and 7**

Moisture indicator value: **6 - transition between values 5 and 7**

Reaction indicator value: **6x - transition between values 5 and 7 (generalist)**

Nutrient indicator value: **7 - occurring at nutrient-rich sites more often than at average sites and only exceptionally at poor sites**

Salinity indicator value: **1 - salt tolerant, mostly on low-salt to salt-free soils, but occasionally on slightly salty soils**

Indicator values for disturbance

Whole-community disturbance frequency indicator value: **-1.37**

Herb layer disturbance frequency indicator value: **-0.5**

Whole-community disturbance severity indicator value: **0.43**

Herb layer disturbance severity indicator value: **0.4**

Whole-community structure based disturbance indicator value: **0.31**

Herb layer structure-based disturbance indicator value: **0.37**



Habitat and sociology

Occurrence in habitats

1 Vegetation of cliffs, screes and walls

1A Calcareous cliffs: **1 - rare occurrence**

1C Walls: **1 - rare occurrence**

1D Mobile calcareous screes: **1 - rare occurrence**

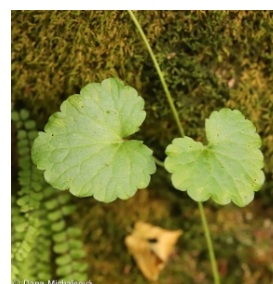
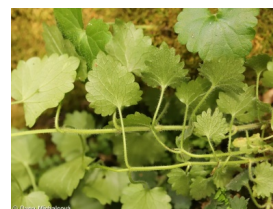
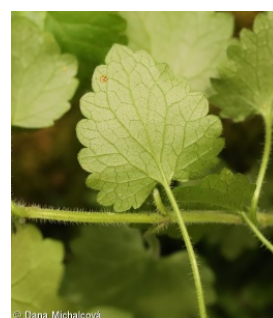
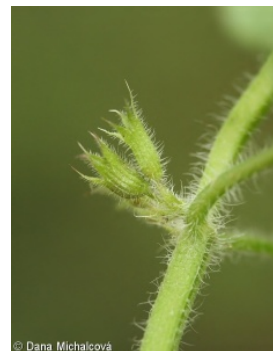
4 Wetland and riverine herbaceous vegetation

4D Riverine reed vegetation: **1 - rare occurrence**

4E Reed vegetation of brooks: **1 - rare occurrence**

4G Tall-sedge beds: **1 - rare occurrence**

- 4H Vegetation of low annual hygrophilous herbs: **1 - rare occurrence**
- 4I Vegetation of nitrophilous annual hygrophilous herbs: **1 - rare occurrence**
- 4J River gravel banks: **1 - rare occurrence**
- 4K Petasites fringes of montane brooks: **2 - optimum**
- 4L Nitrophilous herbaceous fringes of lowland rivers: **2 - optimum**
- 5 Vegetation of springs and mires
- 5B Lowland to montane soft-water springs: **1 - rare occurrence**
- 6 Meadows and mesic pastures
- 6A Mesic Arrhenatherum meadows: **2 - optimum**
- 6B Montane mesic meadows: **1 - rare occurrence**
- 6C Pastures and park grasslands: **2 - optimum**
- 6D Alluvial meadows of lowland rivers: **2 - optimum**
- 6E Wet Cirsium meadows: **2 - optimum**
- 6F Intermittently wet Molinia meadows: **1 - rare occurrence**
- 6G Vegetation of wet disturbed soils: **2 - optimum**
- 8 Dry grasslands
- 8F Thermophilous forest fringe vegetation: **2 - optimum**
- 9 Sand grasslands and rock-outcrop vegetation
- 9E Acidophilous vegetation of spring therophytes and succulents: **1 - rare occurrence**
- 9F Basiphilous vegetation of spring therophytes and succulents: **1 - rare occurrence**
- 10 Saline vegetation
- 10I Inland saline meadows: **1 - rare occurrence**
- 11 Heathlands and scrub
- 11I Willow carrs: **1 - rare occurrence**
- 11J Willow galleries of loamy and sandy river banks: **2 - optimum**
- 11L Tall mesic and xeric shrub: **2 - optimum**
- 11N Low xeric scrub: **1 - rare occurrence**
- 11R Scrub and pioneer woodland of forests clearings: **1 - rare occurrence**
- 12 Forests
- 12A Alder carrs: **1 - rare occurrence**
- 12B Alluvial forests: **2 - optimum**
- 12C Oak-hornbeam forests: **1 - rare occurrence**
- 12D Ravine forests: **1 - rare occurrence**
- 12E Herb-rich beech forests: **1 - rare occurrence**
- 12H Peri-Alpidic basiphilous thermophilous oak forests: **2 - optimum**
- 12I Sub-continental thermophilous oak forests: **1 - rare occurrence**
- 12T Robinia pseudacacia plantations: **1 - rare occurrence**
- 12U Plantations of broad-leaved non-native trees: **2 - optimum**
- 13 Anthropogenic vegetation
- 13A Annual vegetation of ruderal habitats: **1 - rare occurrence**
- 13B Annual vegetation of arable land: **1 - rare occurrence**
- 13D Perennial thermophilous ruderal vegetation: **2 - optimum**
- 13E Perennial nitrophilous herbaceous vegetation of mesic sites: **2 - optimum**
- 13F Herbaceous vegetation of forests clearings and Rubus scrub: **1 - rare occurrence**
- Diagnostic taxon
- Diagnostic taxon of associations: [**KBB05 Rhamno catharticae-Cornetum sanguineae**](#),



LBA07 Fraxino pannonicae-Ulmetum glabrae

Constant taxon

Constant taxon of associations: **KBB05 Rhamno catharticae-Cornetum sanguineae**,
LBA06 Ficario vernae-Ulmetum campestris, **LBA07 Fraxino pannonicae-Ulmetum glabrae**

Dominant taxon

Dominant taxon of associations: **LBA07 Fraxino pannonicae-Ulmetum glabrae**

Ecological specialization indices

Ecological specialization index for all vegetation types: **3.8**

Ecological specialization index for non-forest vegetation: **4.2**

Ecological specialization index for forest vegetation: **5**

Distribution and frequency

Floristic zone: **boreal, northern temperate, southern temperate, submeridional, meridional**

Floristic region: **Europe, Asia**

Elevational belt in the Czech Republic: **lowlands, colline belt, submontane belt, montane belt**

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: **636**

taxon.data.freq_in_quad: **2143**

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **4.6 %**

Occurrence frequency in vegetation plots with a cover above 5%: **12.1 %**

Occurrence frequency in vegetation plots with a cover above 25%: **1.7 %**

Occurrence frequency in vegetation plots with a cover above 50%: **0.3 %**

Mean percentage cover in vegetation plots: **3.9 %**

Maximum percentage cover in vegetation plots: **63 %**

Number of habitats with taxon occurrence in the Czech Republic

Number of narrow habitats in which the taxon occurs: **42**

Number of narrow habitats in which the taxon has its optimum: **15**

Number of broad habitats in which the taxon occurs: **10**

Number of broad habitats in which the taxon has its optimum: **6**