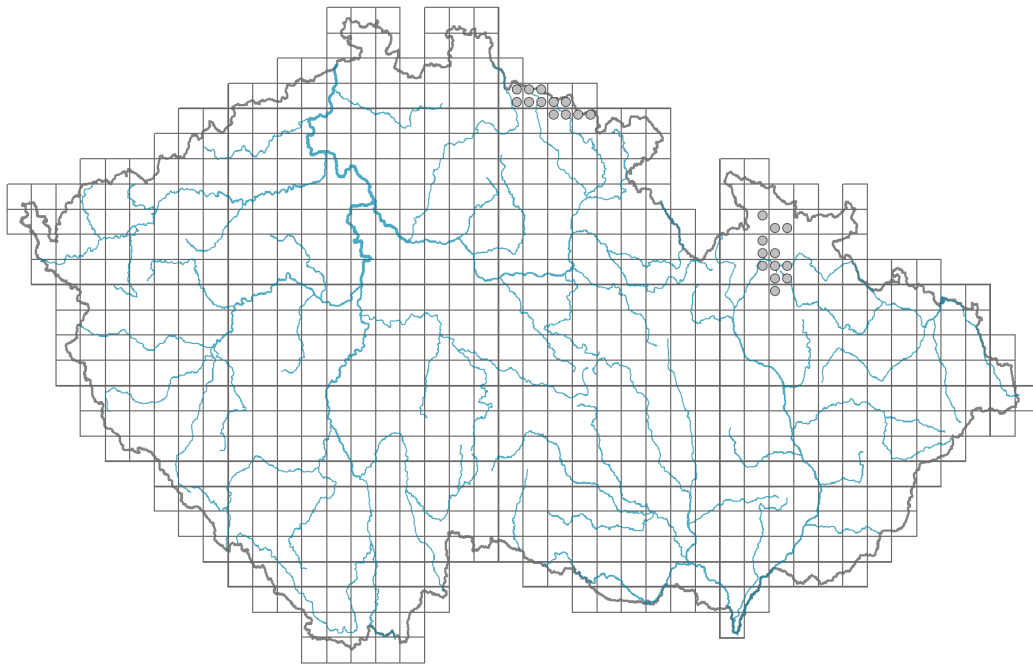


# *Anemonastrum narcissiflorum*

## 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]: **0.1-0.5**

Growth form: **clonal herb**

Life form: **geophyte**

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

Life strategy (Pierce method based on leaf traits): **CSR**

Life strategy (Pierce method, C-score): **42.8 %**

Life strategy (Pierce method, S-score): **28.8 %**

Life strategy (Pierce method, R-score): **28.3 %**

## Leaf

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

Leaf arrangement (phyllotaxis): **rosulate**

Leaf shape: **simple - palmately divided**

Stipules: **absent**

Petiole: **present**

Leaf life span: **summer green**

Leaf anatomy: **mesomorphic**



## Flower

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

Flowering phase: **5 Sorbus aucuparia-Galium odoratum (end of mid-spring)**

Flower colour: **white**

Flower symmetry: **actinomorphic**

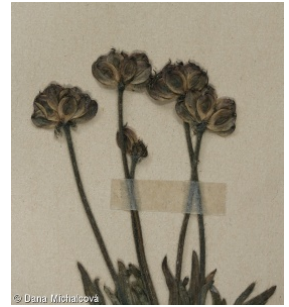
Perianth type: **homochlamydeous**

Perianth fusion: **free**

Inflorescence type: **umbella**

Dicliny: **synoecious, andromonoecious**

Pollination syndrome: **insect-pollination, selfing**



## Fruit, seed and dispersal

Fruit type: **dry fruit - head of achenes**

Fruit colour: **brown**

Reproduction type: **by seed/spores and vegetatively**

Dispersal unit (diaspore): **fruit, infructescence or its part**

Dispersal strategy: **Allium (mainly autochory)**

Myrmecochory: **non-myrmecochorous (b)**



## Belowground organs and clonality

Shoot metamorphosis: **rhizome**

Storage organ: **rhizome**

Type of clonal growth organ: **epigeogenous rhizome**

Freely dispersible organs of clonal growth: **absent**

Shoot life span (cyclicity): **dicyclic or polycyclic shoots prevailing**

Branching type of stem-derived organs of clonal growth: **sympodial**

Primary root: **absent**

Persistence of the clonal growth organ [year]: **4**

Number of clonal offspring: **1**

Lateral spreading distance by clonal growth [m]: **0.01**

Clonal index: **3**

## Bud bank

Number of buds per shoot at the soil surface (root buds excluded): **5**

Number of buds per shoot at a depth of 0–10 cm (root buds excluded): **15**

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): **20**

Depth of the belowground bud bank (root buds excluded) [cm]: **4**

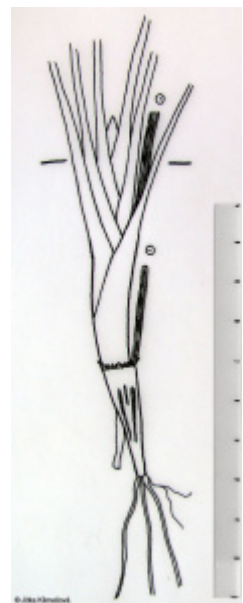
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## Trophic mode

Parasitism and mycoheterotrophy: **autotrophic**

Carnivory: **non-carnivorous**

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

## Karyology

Chromosome number (2n): **14, 28**

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

2C genome size [Mbp]: **37988.77**

1Cx monoploid genome size [Mbp]: **9497.19**

Genomic GC content: **40.3 %**

## Taxon origin

Origin in the Czech Republic: **native**

## Ecological indicator values

Ellenberg-type indicator values

Light indicator value: **8 - light plant, only exceptionally occurring at less than 40% of diffuse radiation incident in an open area**

Temperature indicator value: **2 - transition between values 1 and 3**

Moisture indicator value: **5 - indicator of fresh soils, focus on soils of average moisture, missing on wet and on soils that frequently dry out**

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

Nutrient indicator value: **4 - transition between values 3 and 5**

Salinity indicator value: **0 - not salt tolerant, glycophyte**

Indicator values for disturbance

Whole-community disturbance frequency indicator value: **-0.68**

Herb layer disturbance frequency indicator value: **-0.68**

Whole-community disturbance severity indicator value: **0.15**

Herb layer disturbance severity indicator value: **0.2**

Whole-community structure based disturbance indicator value: **0.47**

Herb layer structure-based disturbance indicator value: **0.48**

## Habitat and sociology

Occurrence in habitats

1 Vegetation of cliffs, screes and walls

1B Siliceous cliffs and block fields: **2 - optimum**

2 Alpine and subalpine grasslands

2B Subalpine tall-forb and tall-grass vegetation: **2 - optimum**

5 Vegetation of springs and mires

5C Alpine and subalpine soft-water springs: **1 - rare occurrence**

7 Acidophilous grasslands

7A Subalpine and montane acidophilous grasslands: **2 - optimum**

11 Heathlands and scrub

11A Dry lowland to subalpine heathlands: **1 - rare occurrence**

Affinity to the forest environment

Affinity to the forest environment in Thermophyticum: **0 - taxon that does not spontaneously occur in Czech forests**

Affinity to the forest environment in Mesophyticum and Oreophyticum: **0 - taxon that**

**does not spontaneously occur in Czech forests**

## Diagnostic taxon

Diagnostic taxon of classes: [AC Elyno-Seslerietea](#)Diagnostic taxon of alliances: [ACA Agrostion alpinae](#), [ADB Calamagrostion arundinaceae](#)Diagnostic taxon of associations: [ACA01 Saxifraga oppositifoliae-Festucetum versicoloris](#), [ADA02 Crepido conyzifoliae-Calamagrostietum villosae](#), [ADB01 Bupleuro longifoliae-Calamagrostietum arundinaceae](#), [TEA02 Thesio alpini-Nardetum strictae](#)

## Constant taxon

Constant taxon of classes: [AC Elyno-Seslerietea](#)Constant taxon of alliances: [ACA Agrostion alpinae](#)Constant taxon of associations: [ACA01 Saxifraga oppositifoliae-Festucetum versicoloris](#)

## Ecological specialization indices

Ecological specialization index for all vegetation types: **5.7**Ecological specialization index for non-forest vegetation: **6.2****Distribution and frequency**Floristic zone: **arctic, boreal, northern temperate, southern temperate, submeridional**Floristic region: **Europe, Siberia, Western America**Continentality degree: **6**Distribution range extension along the continentality gradient: **2**Elevational belt in the Czech Republic: **montane belt, subalpine belt**Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: **12**taxon.data.freq\_in\_quad: **24**

## Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **0.1 %**Occurrence frequency in vegetation plots with a cover above 5%: **8.7 %**Occurrence frequency in vegetation plots with a cover above 25%: **0 %**Occurrence frequency in vegetation plots with a cover above 50%: **0 %**Mean percentage cover in vegetation plots: **3.4 %**Maximum percentage cover in vegetation plots: **13 %**

## Number of habitats with taxon occurrence in the Czech Republic

Number of narrow habitats in which the taxon occurs: **5**Number of narrow habitats in which the taxon has its optimum: **3**Number of broad habitats in which the taxon occurs: **5**Number of broad habitats in which the taxon has its optimum: **3****Threats and protection**Red List 2017 (national categories): **C1t - critically threatened taxon, declining**Red List 2017 (IUCN categories): **CR - critically endangered**Legal protection: **endangered taxon**