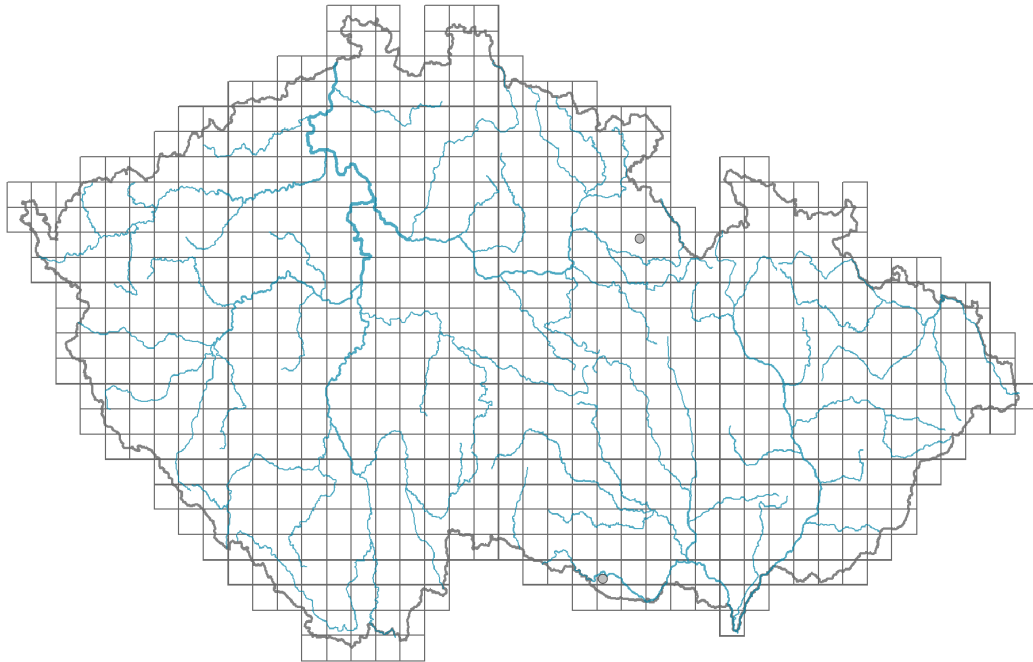


# *Matthiola incana*

## 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]: **0.25-0.7**

Growth form: **annual herb**

Life form: **therophyte (hemicryptophyte)**

Life strategy: **CR - competitor/ruderal**

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

Life strategy (Pierce method, C-score): **33.2 %**

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

Life strategy (Pierce method, R-score): **66.8 %**

## Leaf

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

Leaf arrangement (phyllotaxis): **alternate**

Leaf shape: **simple - entire**

Stipules: **absent**

Petiole: **both present and absent**

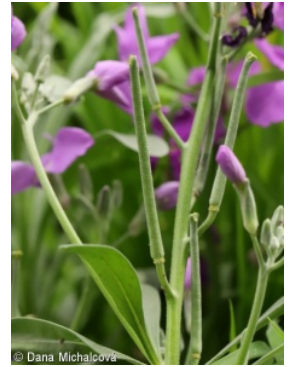
Leaf life span: **summer green**

Leaf anatomy: **scleromorphic, mesomorphic**

## Flower

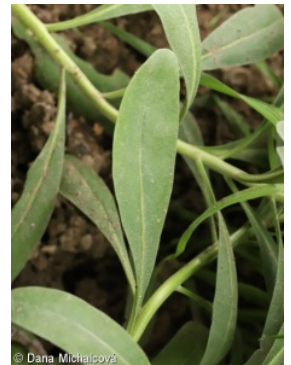
Flowering period [month]: **April-October**

Flower colour: **white, pink, red, red-violet, violet**  
Flower symmetry: **actinomorphic**  
Perianth type: **calyx and corolla**  
Perianth fusion: **free**  
Calyx fusion: **aposepalous**  
Inflorescence type: **racemus**  
Dicliny: **synoecious**  
Generative reproduction type: **mixed mating**  
Pollination syndrome: **insect-pollination, selfing**



### **Fruit, seed and dispersal**

Fruit type: **dry fruit - siliqua**  
Reproduction type: **only by seed/spores**  
Dispersal unit (diaspore): **seed**  
Dispersal strategy: **Allium (mainly autochory)**  
Myrmecochory: **non-myrmecochorous (b)**



### **Belowground organs and clonality**

Shoot life span (cyclicality): **monocyclic shoots prevailing**  
Primary root: **present**

#### **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): **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): **5**  
Depth of the belowground bud bank (root buds excluded) [cm]: **1**  
Number of buds per shoot at the soil surface (root buds included): **5**  
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): **5**  
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**

### **Taxon origin**

Origin in the Czech Republic: **neophyte**  
Invasion status: **casual**  
Geographic origin: **Mediterranean**  
Year of the first record in the wild: **1877**  
Period of introduction: **Early Modern Period (1500-1800)**  
Introduction pathway: **intentional - ornamental**

## Habitat and sociology

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**

## Distribution and frequency

Floristic zone: **submeridional, meridional**

Floristic region: **Europe**

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: 2

taxon.data.freq\_in\_quad: 2

## Threats and protection

Red List 2017 (national categories): **taxon is not on the Red List**

Red List 2017 (IUCN categories): **LC(NA) - least concern (taxon is not on the Red List)**

Legal protection: **not protected by law**