Alnus glutinosa

Habitus and growth type

Plant height [m]: **19.19**
Life span: **Perennial**
Life form: **Phanerophyte, Tree**

Leaf

Leaf type (woody plants only): **Broad deciduous or semi-deciduous**
Leaf phenology (woody plants only): **Winter deciduous**
Specific leaf area [mm^2/mg]: **19.92**

Flower

Flowering period: **February-April**

Fruit, seed and dispersal

Seed mass [mg]: **2.2**
Dispersal mode: **Dyszoochory**
Dispersal distance class: **6**

Trophic mode

Parasitism and mycoheterotrophy: **autotroph**
Carnivory: **non-carnivorous**
Symbiotic nitrogen fixation: **symbiosis with frankia**

Taxon origin

Origin in Europe: **native**

Ecology

Environmental relationships

Substrate humidity relationship: **Wet**
Substrate reaction relationship: **Slightly acidic to near-neutral**
Nutrient relationship: **Eutrophic**
Salinity relationship: **Slightly saline or brackish**

Ellenberg-type indicator values

Light indicator value: **5.7**
Temperature indicator value: **5.6**
Moisture indicator value: **9.2**
Reaction indicator value: **5.9**
Nutrient indicator value: **6.3**
Salinity indicator value: **0.6**

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Disturbance indicator values

Disturbance frequency: **0.23**
Disturbance frequency (herb layer): **1.37**
Disturbance severity: **0.65**
Disturbance severity (herb layer): **0.29**
Mowing frequency: **0.05**
Grazing pressure: **0.18**
Soil disturbance: **0.11**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: **HA (POP) *Alno glutinosae-Populetea albae*, IA (ALN) *Alnetea glutinosae***

EUNIS habitat

Diagnostic species of EUNIS habitats: **T12 Alnus glutinosa-Alnus incana forest on riparian and mineral soils, T13 Temperate hardwood riparian forest, T14 Mediterranean and Macaronesian riparian forest, T15 Broadleaved swamp forest on non-acid peat**
Constant species of EUNIS habitats: **N1D Atlantic and Baltic broad-leaved coastal dune forest, S92 Salix fen scrub, T11 Temperate Salix and Populus riparian forest, T12 Alnus glutinosa-Alnus incana forest on riparian and mineral soils, T13 Temperate hardwood riparian forest, T14 Mediterranean and Macaronesian riparian forest, T15 Broadleaved swamp forest on non-acid peat, T16 Broadleaved mire forest on acid peat, T22 Mainland laurophyllous forest**
Dominant species of EUNIS habitats: **N1D Atlantic and Baltic broad-leaved coastal dune forest, T12 Alnus glutinosa-Alnus incana forest on riparian and mineral soils, T13 Temperate hardwood riparian forest, T14 Mediterranean and Macaronesian riparian forest, T15 Broadleaved swamp forest on non-acid peat**

Broad habitat

Occurrence in broad habitats: **Aquatic, Wetland, Scrub, Forest, Sparsely vegetated (incl. rock and scree)**

Distribution

Continentality amplitude: **5**

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