Phragmites australis

Habitus and growth type

Plant height [m]: **2.7**
Life span: **Perennial**
Life form: **Hemicryptophyte, Geophyte, Hydrophyte**

Leaf

Specific leaf area [mm^2/mg]: **11.07**

Flower

Flowering period: **May-October**

Fruit, seed and dispersal

Seed mass [mg]: **0.11**
Dispersal mode: **Anemochory**
Dispersal distance class: **5**

Trophic mode

Parasitism and mycoheterotrophy: **autotroph**
Carnivory: **non-carnivorous**
Symbiotic nitrogen fixation: **no nitrogen-fixing symbionts**

Taxon origin

Origin in Europe: **Native**

Ecology

Environmental relationships

Substrate humidity relationship: **Water**
Substrate reaction relationship: **Alkaline**
Nutrient relationship: **Eutrophic**
Salinity relationship: **Slightly saline or brackish**

Ellenberg-type indicator values

Light indicator value: **7.2**
Moisture indicator value: **9.7**
Reaction indicator value: **6.9**
Nutrient indicator value: **6.1**
Salinity indicator value: **1.6**

Disturbance indicator values

Disturbance frequency: **1.08**
Disturbance frequency (herb layer): **1.6**

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Disturbance severity: **0.38**
Disturbance severity (herb layer): **0.33**
Mowing frequency: **0.38**
Grazing pressure: **0.17**
Soil disturbance: **0.15**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: **IA (ALN) *Alnetea glutinosae***, **OD (PHR) *Phragmito-Magnocaricetea***

EUNIS habitat

Diagnostic species of EUNIS habitats: **MA232 Baltic coastal meadow**, **MA252 Mediterranean upper-mid saltmarsh and saline and brackish reed, rush and sedge bed**, **N1E Black Sea broad-leaved coastal dune forest**, **Q43 Tall-sedge base-rich fen**, **Q51 Tall-helophyte bed**, **Q54 Inland saline or brackish helophyte bed**
Constant species of EUNIS habitats: **MA222 Atlantic upper saltmarsh**, **MA232 Baltic coastal meadow**, **MA241 Black Sea littoral saltmarsh**, **MA252 Mediterranean upper-mid saltmarsh and saline and brackish reed, rush and sedge bed**, **N1E Black Sea broad-leaved coastal dune forest**, **N1H Atlantic and Baltic moist and wet dune slack**, **N1J Mediterranean and Black Sea moist and wet dune slack**, **N35 Mediterranean and Black Sea soft sea cliff**, **P3c Fresh-water large pleustophyte vegetation**, **P3e Fresh-water nymphaeid vegetation**, **P3f Oligotrophic-water vegetation**, **P3h Stonewort vegetation**, **Q41 Alkaline, calcareous, carbonate-rich small-sedge spring fen**, **Q42 Extremely rich moss-sedge fen**, **Q43 Tall-sedge base-rich fen**, **Q44 Calcareous quaking mire**, **Q51 Tall-helophyte bed**, **Q52 Small-helophyte bed**, **Q53 Tall-sedge bed**, **Q54 Inland saline or brackish helophyte bed**, **R31 Mediterranean tall humid inland grassland**, **R35 Moist or wet mesotrophic to eutrophic hay meadow**, **R37 Temperate and boreal moist or wet oligotrophic grassland**, **R63 Temperate inland salt marsh**, **S92 Salix fen scrub**, **S93 Mediterranean riparian scrub**, **S94 Semi-desert riparian scrub**, **T11 Temperate Salix and Populus riparian forest**, **T15 Broadleaved swamp forest on non-acid peat**, **T16 Broadleaved mire forest on acid peat**, **V14 Inundated or inundatable cropland, including rice fields**
Dominant species of EUNIS habitats: **MA252 Mediterranean upper-mid saltmarsh and saline and brackish reed, rush and sedge bed**, **N1H Atlantic and Baltic moist and wet dune slack**, **Q51 Tall-helophyte bed**, **Q54 Inland saline or brackish helophyte bed**

Broad habitat

Occurrence in broad habitats: **Coastal saltmarsh, Coastal cliff, Aquatic, Wetland, Mire, Grassland (non-alpine, non-saline), Saline vegetation, Scrub, Forest, Synanthropic**

Distribution

Continentality amplitude: **9**

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