

Chytrý M., Axmanová I., Divíšek J., Friesová K., Holubová D., Palpurina S., Řezníčková M., Večeřa M. & Knollová I. (2026) Czech Vegetation Database: an open source of vegetation-plot data for research and applications. – Preslia 98: 187–207.

Supplementary Data S1. Czech Vegetation Database overview in the standard format of the Global Index of Vegetation-plot Databases (GIVD). The estimation of existing plots does not include the plots in the Database of the Czech Forest Site Classification System (Zouhar 2012) and those included in separate datasets in ReSurveyEurope.

GIVD Database ID: EU-CZ-001			Last update: 2026-04-07		
Czech Vegetation Database			Web address: https://czechveg.github.io		
Database manager(s): Milan Chytrý (chytry@sci.muni.cz); Ilona Knollová (ikuzel@sci.muni.cz)					
Owner: Department of Botany and Zoology, Faculty of Science, Masaryk University, Brno, Czech Republic					
Scope: All vegetation plot records from the Czech Republic.					
Abstract: The Czech Vegetation Database (formerly the Czech National Phytosociological Database) was established at Masaryk University in Brno in 1996. Currently, it is hosted by the Department of Botany and Zoology of this university. It is an electronic archive of phytosociological relevés and related records of species composition from vegetation plots sampled across the territory of the Czech Republic. The data stored in the database were used for the development of the national vegetation classification of the Czech Republic, and currently, they are used for biodiversity analyses at local, regional, national, and international levels, as a source of information about the distribution of plant communities and species, and for the assessment of vegetation change. The database also contains a small number of vegetation plots from neighboring countries (Slovakia 1%, Austria, Poland and Germany < 1%), which are not included in the statistics. The complete data from the Czech Republic are freely available online at https://czechveg.github.io/ and in the GBIF database (https://doi.org/10.15468/94bfqd).					
Availability: free online		Online upload: no		Online search: no	
Database format(s): TURBOVEG		Export format(s): TURBOVEG, CSV file			
Plot type(s): normal plots		Plot-size range (m ²): 0.01 to 10000			
Non-overlapping plots: 116732	Estimate of existing plots: 122000	Completeness: 96%	Status: ongoing capture		
Total no. of plot observations: 117739	Number of sources (biblioreferences, data collectors): 2901		Valid taxa: 4394		
Countries (%): CZ: 100					
Formations: Forest: 20% = Semi-aquatic: 3%; Terrestrial: 17% // Non Forest: 80% = Aquatic: 6%; Semi-aquatic: 20%; Terrestrial: 54%					
Guilds: all vascular plants: 100%; bryophytes (terricolous or aquatic): 40%; lichens (terricolous or aquatic): 4%; non-terricolous taxa (epiphytic, saxicolous, lignicolous): 2% (note that percentages refer to plots in which these groups were recorded, disregarding the plots in which researchers intended to sample them, but no species of the group occurred)					
Plot size categories: < 1 m2: 0.5%; 1-10 m2: 16.3%; 10-100 m2: 53.3%; 100-1000 m2: 20.6%; 1000-10000 m2: 0.1%; unknown: 9.2%;					
Environmental data: altitude: 63%; slope aspect: 44%; slope inclination: 64%; microrelief: 0%; surface cover other than plants (open soil, litter, bare rock etc.): 1%; other soil attributes: 1.4%; soil pH: 3.9%; land use categories: 0% (note that plots on flat surface are not included in the percentages of those where slope aspect and inclination is available)					
Performance measures: presence/absence only: 0.1%; cover: 99.9%; number of individuals: 0%; measurements like diameter or height of trees: 0%; biomass: 0%; other: 0%					
Geographic localisation: GPS coordinates (precision 25 m or less): 9%; point coordinates less precise than GPS, up to 1 km: 25%; small grid (not coarser than 10 km): 17%; political units or only on a coarser scale (above 10 km): 1%; unknown: 48%					
Sampling periods: before 1920: 0%; 1920-1929: 0.2%; 1930-1939: 0.6%; 1940-1949: 1.4%; 1950-1959: 2.1%; 1960-1969: 7.7%; 1970-1979: 11.1%; 1980-1989: 11.2%; 1990-1999: 20.3%; 2000-2009: 28.9%; 2010-2019: 7.6%; after 2020: 1.5%; unknown: 7.4%					
Information as of 2026-03-30; further details and future updates available from http://www.givd.info/ID/EU-CZ-001					