

Vegetation Database of Oak Forests of Romania

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Abstract: This report presents the content of a database with phytosociological relevés of oak and mixed oak forests from Romania (Vegetation Database of Oak Forests of Romania, GIVD ID EU-RO-005). This includes vegetation-plots in which oak species (*Quercus robur* s.l., *Q. petraea* s.l., *Q. cerris*, *Q. frainetto*, *Q. pubescens* s.l.), hornbeam (*Carpinus betulus*) or lime (*Tilia cordata*, *T. tomentosa*) are dominants or co-dominants. So far, 4,398 relevés are stored in TURBOVEG format, using 160 sources – published works, PhD thesis and records of research projects. It is estimated that this sources cover 70-75% of the total relevés available of this kind. Except species data, 65-85% of relevees have basic environmental information and all have geographical coordinates – mostly derived from localities or toponyms. Its development started from the need of a unified classification of forest vegetation at a national level, but also with the hope that it could serve for a regional revision of syntaxonomy. So far, using the information from this database, two papers were published and other two are planned.

Keywords: oak forest; *Quercus*; vegetation classification.

GIVD Database ID: EU-RO-005		Last update: 2012-07-11	
Vegetation Database of Oak Forests of Romania			
Scope: A database of phytosociological relevés of oak and mixed oak forests in Romania, including hornbeam or lime dominated forests.			
Status: ongoing capture		Period: 1928-2011	
Database manager(s): Adrian Indreica (adrianindreica@unitbv.ro)			
Owner: (private)			
Web address: [NA]			
Availability: after blocking period		Online upload: no	Online search: no
Database format(s): TURBOVEG, Excel		Export format(s): TURBOVEG	
Publication: none			
Plot type(s): normal plots		Plot-size range: 100-2,500 m ²	
Non-overlapping plots: 4,398	Estimate of existing plots: 6,000	Completeness: 73%	
Total plot observations: 4,398	Number of sources: 160	Valid taxa: 1,487	
Countries: RO: 100.0%			
Forest: 100% — Non-forest: aquatic: 0%; semi-aquatic: 0%; arctic-alpine: 0%; natural: 0%; semi-natural: 0%; anthropogenic: 0%			
Guilds: all vascular plants: 100%; bryophytes (terricolous or aquatic): 25%			
Environmental data: altitude: 67%; slope aspect: 85%; slope inclination: 85%; microrelief: 5%; soil depth: 3%; soil pH: 1%			
Performance measure(s): cover: 100%			
Geographic localisation: GPS coordinates (precision 25 m or less): 13%; point coordinates less precise than GPS, up to 1 km: 13%; small grid (not coarser than 10 km): 65%; political units or only on a coarser scale (>10 km): 9%			
Sampling periods: 1920-1929: 0.1%; 1940-1949: 0.3%; 1950-1959: 0.6%; 1960-1969: 14.0%; 1970-1979: 26.0%; 1980-1989: 7.0%; 1990-1999: 11.0%; 2000-2009: 28.0%; 2010-2019: 13.0%			
Information as of 2012-07-12; further details and future updates available from http://www.givd.info/ID/EU-RO-005			

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