

Vegetation Database Main-Kinzig + Bergland

Thomas Michl & Stefan Huck

Abstract: This paper describes the structure and content of the Vegetation Database Main-Kinzig + Bergland (GIVD ID EU-DE-021). The database was initiated in 2004 to prepare a regional classification of the vegetation in the study region and to compile occurrence maps on the basis of individual relevés. It aims at collecting all available phytosociological relevés from the study region that is roughly defined by the mountain regions Spessart, Vogelsberg, Rhön and the adjacent lowlands (situated in southeastern Hesse and northwestern Bavaria). The main districts in the study region are Main-Kinzig, Wetterau, Vogelsberg, Fulda, Rhön-Grabfeld, Aschaffenburg and Main-Spessart. Presently, 1,562 of an estimated total of 20,000 relevés are available in the database, which is run offline with TURBOVEG software. Most of the relevés are from the Spessart and adjacent lowlands in the district Main-Kinzig. The most frequently recorded vegetation types are grassland and fringe communities. The data are used to prepare regional classifications by the authors. Proposals for joint analyses, e.g. supra-regional analyses and cooperation in large-scale classifications, are welcome.

Keywords: biodiversity informatics; *Calluno-Ulicetea*; *Molinio-Arrhenatheretea*; phytosociology; Spessart; *Trifolio-Geranietea sanguinei*; vegetation classification

GIVD Database ID: EU-DE-021		Last update: 2012-07-17	
Vegetation Database Main-Kinzig + Bergland			
Scope: We aim at collecting all available phytosociological relevés of all vegetation types from the study region (Spessart, Vogelsberg, Rhön and adjacent lowlands; situated in southeastern Hesse and northwestern Bavaria).			
Status: ongoing capture		Period: 1972-2010	
Database manager(s): Thomas Michl (michl@buero-huck.de)			
Owner: Dr. Huck Environmental Consultants Thomas Michl (michl@buero-huck.de) and Stefan Huck (private)			
Web address: http://www.buero-huck.de/index.php?article_id=13			
Availability: according to a specific agreement		Online upload: no	Online search: no
Database format(s): TURBOVEG		Export format(s): TURBOVEG	
Publication: [NA]			
Plot type(s): normal plots		Plot-size range: 0.12-450 m ²	
Non-overlapping plots: 1,562	Estimate of existing plots: 20,000	Completeness: 8%	
Total plot observations: 1,562	Number of sources: 10	Valid taxa: [NA]	
Countries: DE: 100.0%			
Forest: [NA] — Non-forest: [NA]			
Guilds: all vascular plants: 100%; bryophytes (terricolous or aquatic): 60%; lichens (terricolous or aquatic): 60%			
Environmental data: altitude: 100%; slope aspect: 36%; slope inclination: 32%; microrelief: 2%; soil depth: 12%; surface cover other than plants (open soil, litter, bare rock etc.): 12%; other soil attributes: 3%; land use categories: 12%			
Performance measure(s): cover: 100%			
Geographic localisation: GPS coordinates (precision 25 m or less): 35%; point coordinates less precise than GPS, up to 1 km: 20%; small grid (not coarser than 10 km): 30%; political units or only on a coarser scale (>10 km): 85%			
Sampling periods: 1970-1979: 0.2%; 1980-1989: 18.6%; 1990-1999: 28.8%; 2000-2009: 47.4%; 2010-2019: 5.0%			
Information as of 2012-07-25; further details and future updates available from http://www.givd.info/ID/EU-DE-021			

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