

Database of Masaryk University's Vegetation Research in Siberia

Milan Chytrý

Abstract: The Database of Masaryk University's Vegetation Research in Siberia (GIVD ID 00-RU-002) contains records from 100-m² vegetation plots collected since 2003 during reasearch expeditions of Masaryk University in Siberia and Bashkortostan, namely in the Southern Urals, Altai and Western Sayan Mountains, and Central Yakutia. Most plots were recorded in forest, steppe and alpine tundra vegetation. Each plot contains a full record of vascular plants, terricolous bryophytes and macrolichens, supplemented with measurements of soil properties and hemispheric canopy photographs. Subsets of plots contain records of modern pollen deposition, molluscan community composition and herbaceous biomass. The database is used for biodiversity studies with reference to palaeoecology and modern vegetation-environment relationships.

Keywords: forest; Russia; steppe; taiga; tundra.

GIVD Database ID: 00-RU-002		Last update: 2012-05-09	
Database of Masaryk University's Vegetation Research in Siberia			
Scope: The database contains records from 100-m ² vegetation plots collected since 2003 during reasearch expeditions of Masaryk University in Siberia and Bashkortostan, namely in the Southern Urals, Altai and Western Sayan Mountains, and Central Yakutia. Most of these plots were sampled in forest, steppe and mountain tundra vegetation. Plot records are supplemented with various measurements including soil properties, insolation and biomass.			
Status: ongoing capture		Period: 2003-2011	
Database manager(s): Milan Chytrý (chytry@sci.muni.cz)			
Owner: Department of Botany and Zoology, Masaryk University, Brno, Czech Republic			
Web address: [NA]			
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: 100-100 m ²	
Non-overlapping plots: 1,157	Estimate of existing plots: [NA]	Completeness: [NA]	
Total plot observations: 1,157	Number of sources: [NA]	Valid taxa: [NA]	
Countries: RU: 100.0%			
Forest: 35% — Non-forest: [NA]			
Guilds: all vascular plants: 100%; bryophytes (terricolous or aquatic): 100%; lichens (terricolous or aquatic): 100%			
Environmental data: altitude: 100%; slope aspect: 100%; slope inclination: 100%; microrelief: 100%; soil depth: 100%; surface cover other than plants (open soil, litter, bare rock etc.): 100%; soil pH: 100%; other soil attributes: 100%; land use categories: 100%			
Performance measure(s): cover: 100%; measurements like diameter or height of trees: 35%; biomass: 48%			
Geographic localisation: GPS coordinates (precision 25 m or less): 100%			
Sampling periods: 2000-2009: 73.0%; 2010-2019: 27.0%			
<i>Information as of 2012-07-12; further details and future updates available from http://www.givd.info/ID/00-RU-002</i>			

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