

Vegetation database of the Working Group on Dry Grasslands in the Nordic and Baltic Region

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Abstract

This paper describes the structure and content of the vegetation database of the Working Group on Dry Grasslands in the Nordic and Baltic Region (code EU-00-001 of the World Metadatabase on Vegetation Databases). The Working Group on Dry Grasslands in the Nordic and Baltic Region has been founded in 2005 and is now a subgroup of the European Dry Grassland Group (EDGG). It aims at collecting all available phytosociological relevés of dry grasslands and related communities (basically the phytosociological classes *Festuco-Brometea*, *Koelerio-Corynepherea*, and *Trifolio-Geranieta sanguinei*) from the study region (Denmark, Norway, Sweden, Finland, NW Russia, Estonia, Latvia, Lithuania, N Poland, and NE Germany). Presently, 7,675 of an estimated total of 20,000 relevés are available in the database, which is run offline with the program SORT 4.0. The data are mainly used by the members of the Working Group for large-scale consistent classifications, but external proposals for joint analyses are welcome.

Keywords:

Biodiversity informatics; *Festuco-Brometea*; *Koelerio-Corynepherea*; phytosociology; *Trifolio-Geranieta sanguinei*; vegetation classification.

Fact sheet EU-00-001	Date: 2009-10-31
Scope: All available relevés with plot sizes 1–100 m ² of dry grasslands and related communities (basically the phytosociological classes <i>Festuco-Brometea</i> , <i>Koelerio-Corynepherea</i> , and <i>Trifolio-Geranieta sanguinei</i>) from the study region (Denmark, Norway, Sweden, Finland, NW Russia, Estonia, Latvia, Lithuania, N Poland, and NE Germany)	
State: ongoing capture	Period: 2005–present
Host: Working Group on Dry Grasslands in the Nordic and Baltic Region, a subgroup of the European Dry Grassland Group (EDGG), c/o Jürgen Dengler, Plant Systematics and Vegetation Ecology, Biocentre Klein Flottbek and Botanical Garden, University of Hamburg, Ohnhorststr. 18, 22609 Hamburg, Germany; e-mail: dengler@botanik.uni-hamburg.de	
URL: http://www.biologie.uni-hamburg.de/bzf/syst/wg_dry_grasslands_nordic/wg_dgnb1_eng.htm	
Online upload: –	Online search: –
Database format: SORT 4.0 (to be transferred to Turboveg)	Availability: according to specific agreement
Other contents: –	
Publication: Dengler, J., Rūsiņa, S., Boch, S., Bruun, H. H., Diekmann, M., Dierßen, K., Dolnik, C., Dupré, C., Golub, V. B., Grytnes, J.-A., Helm, A., Ingerpuu, N., Löbel, S., Pärtel, M., Rašomavičius, V., Tyler, G., Znamenskiy, S. R., Zobel, M. (2006): Working group on dry grasslands in the Nordic and Baltic region – Outline of the project and first results for the class <i>Festuco-Brometea</i> . – <i>Ann. Bot. N. S.</i> 6: 1–28, Rome.	
Relevés included: 7,675 Independent relevés: 7,675 Estimate of existing relevés: 20,000 Completeness: 38%	
Nested-plot series: 0 Maximum range: – Time series: 0 Maximum range: –	
Overlap(s): EU-DE-001 (3,000); EU-DE-005 (3,200)	
Countries: DE (45%), DK (2%), EE (16%), FI (2%), LT (2%), LV (8%), NO (4%), PL (5%), RU (1%), SE (14%)	
Sources: 233 Published: 27% Grey: 22% Synoptic tables: 19% Unpublished: 32%	
Guilds: Woody: 100% Herbaceous: 100% Bryophytes: 80% Lichens: 80% “Algae”: 40% Non-terricolous: 10%	
Plot sizes: 1–100 m ² <1 m ² : 0% 1–<10m ² : 70% 10–<100 m ² : 29% 100–<1,000 m ² : 1% 1,000–10,000 m ² : 0% Unknown: 0%	
Years: 1922–2008 1900–19: 3% 1920–39: 4% 1940–59: 20% 1960–79: 30% 1980–99: 22% 2000–20: 11% Unknown: 10%	
Performance measure: Presence/absence: 0% Cover: 50% Abundance: 0% Combined: 50% Biomass: 0% Other: 0%	
Information on: Surveyor: 90% Original classification: 80% Uniform classification: 0%	
Geographic localisation: GPS: 0% Point: 0% Grid: 50% Geographic unit: 80% Unknown/coarse: 20%	
Structural data: Total cover: 90% Layer cover: 30% Vegetation height: 0%	
Environmental data: Altitude: 5% Aspect: 70% Inclination: 70% Microrelief: 15% Non-plant cover: 50% Soil depth: 30% Soil texture: 20% Soil pH: 25% Other soil parameters: 10% Land use categories: 12% Other: 5%	