Short Database Report

Database *Polygono-Poetea annuae* of Germany

Jürgen Dengler, Melanie Rahmlow & Patrick Lampe

Abstract: The Database *Polygono-Poetea annuae* of Germany (GIVD ID EU-DE-004) aims to compile the available published and unpublished vegetation-plot data of this vegetation class in Germany. The class *Polygono-Poetea* comprises communities of eu-hemerobic habitats where trampling or driving is largely preventing the survival of perennial vascular plants. As a consequence, the vegetation is dominated by low-growing annual vascular plants and/or acrocarpous mosses. The core of our database are standardised relevés of 4-m² plots covering the full variety of *Polygono-Poetea* in the northern German municipalities of Hamburg and Lüneburg (*n* = 143). Unlike most of the literature data, we used a uniform plot size (4 m²), sampled non-vascular plants comprehensively, and measured various soil and other relevant environmental parameters. These core data are complemented by digitised relevés from published and unpublished sources (presently *n* = 441). While the available data from Mecklenburg-Vorpommern are already largely included, the coverage of other federal states is only partial. The dataset is available to the scientific public based upon individual agreements.

Keywords: bryophyte; Hamburg; hemerobic; Lüneburg; plant community; soil data; standardisation; trampling; vascular plant; vegetation plot.

GIVD Database ID: EU-DE-004		Last update: 2012-07-07
Database Polygono-Poetea annuae of Germany		
Scope: All available relevés of the class Polygono-Poetea annuae from Germany (literature data and new own relevés). Presently, the database contains newly made relevés from Hamburg (BSc. theses of M. Rahmlow & P. Lampe) and Lüneburg (J. Dengler, unpubl.), all literature relevés from Mecklenburg-Vorpommern plus a selection of digitised relevés of various publications from other federal states of Germany.		
Status: emerging	**Period:** 1936-2011	
Database manager(s): Jürgen Dengler (dengler@botanik.uni-hamburg.de)		
Owner: Dr. Jürgen Dengler (private)		
Web address: [NA]		
Availability: according to a specific agreement	**Online upload:** no	**Online search:** no
Database format(s): Excel	**Export format(s):** Excel	
Publication: Lampe, P. (2011): Standortbedingungen und Phytodiversität der Trittrasengesellschaften (Polygono-Poetea annuae) in Hamburg. – Bachelor thesis in Biology, University of Hamburg. Rahmlow, M. (2011): Klassifikation der Trittrasengesellschaften (Polygono-Poetea annuae) Hamburgs unter besonderer Berücksichtigung der Moose. – Bachelor thesis in Biology, University of Hamburg.		
Plot type(s): normal plots	**Plot-size range:** 0.01-50 m²	
Non-overlapping plots: 584	**Estimate of existing plots:** 1,500	**Completeness:** 39%
Total plot observations: 584	**Number of sources:** 43	**Valid taxa:** [NA]
Countries: DE: 100.0%		
Forest: 0% — **Non-forest:** aquatic: 0%; semi-aquatic: 0%; arctic-alpine: 0%; natural: 0%; semi-natural: 0%; anthropogenic: 100%		
Guilds: all vascular plants: 100%; bryophytes (terricolous or aquatic): 40%; lichens (terricolous or aquatic): 21%; algae (terricolous or aquatic): 21%		
Environmental data: microrelief: 21%; soil depth: 21%; surface cover other than plants (open soil, litter, bare rock etc.): 21%; soil pH: 21%; other soil attributes: 21%		
Performance measure(s): cover: 100%		
Geographic localisation: GPS coordinates (precision 25 m or less): 21%; small grid (not coarser than 10 km): 41%; political units or only on a coarser scale (>10 km): 38%		
Sampling periods: 1930-1939: 0.1%; 1940-1949: 3.0%; 1950-1959: 3.1%; 1960-1969: 3.6%; 1970-1979: 22.3%; 1980-1989: 13.7%; 1990-1999: 12.0%; 2000-2009: 7.4%; 2010-2019: 21.1%; unknown: 13.6%		
Information as of 2012-07-12; further details and future updates available from http://www.givd.info/ID/EU-DE-004		

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