

# Vegetation Database of Pine Forests on Acidic Soils in Germany

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**Abstract:** The Vegetation Database of Pine Forests on Acidic Soils in Germany (GIVD ID EU-DE-019) of ± acidophytic pine forests (mainly *Dicrano-Pinion* and plantations at deciduous forest sites and *Pulsatillo-Pinetea*) in Germany comprises 3327 relevés, about two thirds from the Northern German lowlands and one third from the hilly regions up to approximately 800 m a.s.l. (mainly Bavaria). Besides *Dicrano-Pinion*, also small amounts of *Vaccinio uliginosi-Pinetea* and montain scree forest relevés (*Betulo carpaticae-Sorbetum*) are included. The database was created in the early 1990s and finished in 2005 in order to re-evaluate the syntaxonomy of acidophytic pine forests of Germany based on ± all available vegetation data. Only original relevés (Braun-Blanquet method) from 73 sources, published in local ecological journals or monographs, or unpublished material e.g. from diploma theses, are included. Plots sizes, complete structural data and exact georeference are mostly not included in the electronic repository, but may be retrieved from the original publications in many cases. Beyond phytosociological classification and analysis of large-scale geographic patterns within plant communities, parts of the database have been intensively used to evaluate site characteristics of plant communities, performance of indicator plants and the influence of pollution and land-use change on present-day vegetation. Hosted by the Department of Biodiversity Research and Botany of the University of Potsdam, the data are available for collaborative research.

**Keywords:** ecoinformatics; forest site classification.

GIVD Database ID: EU-DE-019		Last update: 2012-05-03	
<b>Vegetation Database of Pine Forests on Acidic Soils in Germany</b>			
<b>Scope:</b> A database of acidophytic pine forests (mainly <i>Dicrano-Pinion</i> ) in Germany. Only original relevés (Braun-Blanquet method; published in local ecological journals or monographs, or unpublished) are included.			
<b>Status:</b> finished		<b>Period:</b> -	
<b>Database manager(s):</b> Thilo Heinken (heinken@uni-potsdam.de)			
<b>Owner:</b> Thilo Heinken (private)			
<b>Web address:</b> [NA]			
<b>Availability:</b> free upon request		<b>Online upload:</b> no	<b>Online search:</b> no
<b>Database format(s):</b> TABWIN		<b>Export format(s):</b> [NA]	
<b>Publication:</b> [NA]			
<b>Plot type(s):</b> normal plots		<b>Plot-size range:</b> 50-900 m <sup>2</sup>	
<b>Non-overlapping plots:</b> 3,327	<b>Estimate of existing plots:</b> 4,500	<b>Completeness:</b> 74%	
<b>Total plot observations:</b> 3,327	<b>Number of sources:</b> 73	<b>Valid taxa:</b> [NA]	
<b>Countries:</b> DE: 100.0%			
<b>Forest:</b> [NA] — <b>Non-forest:</b> [NA]			
<b>Guilds:</b> all vascular plants: 100%; bryophytes (terricolous or aquatic): 100%; lichens (terricolous or aquatic): 100%			
<b>Environmental data:</b> altitude: 32%; slope aspect: 41%; slope inclination: 37%; soil depth: 3%; surface cover other than plants (open soil, litter, bare rock etc.): 10%; soil pH: 11%; other soil attributes: 5%			
<b>Performance measure(s):</b> cover: 100%			
<b>Geographic localisation:</b> point coordinates less precise than GPS, up to 1 km: 10%; small grid (not coarser than 10 km): 10%; political units or only on a coarser scale (>10 km): 100%			
<b>Sampling periods:</b> 1930-1939: 1.0%; 1950-1959: 8.0%; 1960-1969: 21.0%; 1970-1979: 13.0%; 1980-1989: 4.0%; 1990-1999: 50.0%; 2000-2009: 3.0%			
<a href="http://www.givd.info/ID/EU-DE-019">Information as of 2012-07-12; further details and future updates available from http://www.givd.info/ID/EU-DE-019</a>			

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