

Vegetation Database of Eurasian Tundra

Risto Virtanen

Abstract: The Vegetation Database of Eurasian Tundra (GIVD ID EU-FI-001) consists of vegetation plots from different parts of the Eurasian tundra. The sample plots represent high altitude vegetation on the northwestern Scandes both on siliceous and calcareous soil substrates, arctic tundra/polar semi-desert vegetation sampled along elevation and meso-topography gradients from 16 sites in total. The database is under development to include vegetation plots from tundra and mountain tundra vegetation published in the literature.

Keywords: arctic-alpine tundra; bryophyte; Finland; lichen; Spitsbergen; vascular plant.

GIVD Database ID: EU-FI-001		Last update: 2012-05-08
Vegetation Database of Eurasian Tundra		
Scope: Vegetation plots from the mountain tundra areas the northern part of the Scandes, European arctic islands and tundra areas in Eurasia.		
Status: completed and continuing		Period: 1986-1994
Database manager(s): Risto Virtanen (risto.virtanen@oulu.fi)		
Owner: Risto Virtanen, Botanical Museum, Univ. of Oulu (private)		
Web address: http://www.oulu.fi/herboulu/english/index.html		
Availability: according to a specific agreement	Online upload: no	Online search: no
Database format(s): Excel		Export format(s): Excel, CSV file, plain text file
Publication: Virtanen, R. & Eurola, S. 1997. Middle oroarctic vegetation in Finland and middle-northern arctic vegetation on Svalbard. Acta Phytogeographica Suecica 82: 1-60.		
Plot type(s): normal plots		Plot-size range: 0.25-4 m ²
Non-overlapping plots: 1,300	Estimate of existing plots: 2,500	Completeness: 52%
Total plot observations: 1,300	Number of sources: 3	Valid taxa: 600
Countries: FI: 20.0%; NO: 10.0%; RU: 70.0%		
Forest: 0% — Non-forest: aquatic: 0%; semi-aquatic: 0%; arctic-alpine: 100%; natural: 0%; semi-natural: 0%; anthropogenic: 0%		
Guilds: all vascular plants: 100%; bryophytes (terricolous or aquatic): 100%; lichens (terricolous or aquatic): 100%		
Environmental data: altitude: 100%; slope aspect: 100%; microrelief: 100%; soil depth: 80%; soil pH: 30%		
Performance measure(s): cover: 100%		
Geographic localisation: point coordinates less precise than GPS, up to 1 km: 100%		
Sampling periods: 1980-1989: 20.0%; 1990-1999: 80.0%		
<i>Information as of 2012-07-12; further details and future updates available from http://www.givd.info/ID/EU-FI-001</i>		

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