

Short Database Report

Phytobase S2008 – vegetation database of Swiss floodplains (synusial plots)

Christian Roulier

Abstract: Alluvial zones are dynamic habitats which are very rich in species. As they are highly endangered, the Swiss Federal Council has recorded them in an inventory, as required under the article 18a of the Federal Act on the Protection of Nature and Cultural Heritage (NCHA; SR 451). The alluvial zones vegetation database (Phytobase S2008; GIVD ID EU-CH-009) contains 1,314 relevés from whole Switzerland, ranging from 200 to 3,000 m. Relevés were assessed between 1990 and 2008 from 7 different people. These relevés were done using the synusial method.

Keywords: alluvial zone; Switzerland; vegetation.

GIVD Database ID: EU-CH-009	Last update: 2012-05-09	
Phytobase S2008		
Scope: The Phytobase S2008 vegetation database contains 995 relevés from alluvial zones in whole Switzerland, ranging from 200 to 3,000 m. Relevés were assessed between 1990 and 2008 from around 6 different botanists. These relevés were made using the synusial method.		
Status: completed and continuing	Period: 1990 - 2008	
Database manager(s): Christian Roulier (scza@bluewin.ch)		
Owner: Federal Office for the Environment FOEN and University of Neuchâtel (Switzerland)		
Web address: http://www.bafu.admin.ch/schutzgebiete-inventare/07839/index.html?lang=de		
Availability: according to a specific agreement	Online upload: no	Online search: no
Database format(s): MS Access	Export format(s): Excel, PDF, plain text file	
Publication: Gillet F., De Foucault B. et Julve P. 1991: "La phytosociologie synusiale intégrée: objets et concepts". Candollea, 46. 315-340.		
Plot type(s): normal plots	Plot-size range: 20-900 m ²	
Non-overlapping plots: 1,314	Estimate of existing plots: 1,314	Completeness: 100%
Total plot observations: 1,314	Number of sources: 1	Valid taxa: 1,183
Countries: CH: 100.0%		
Forest: [NA] — Non-forest: [NA]		
Guilds: all vascular plants: 75%; bryophytes (terricolous or aquatic): 25%; non-terricolous taxa (epiphytic, saxicolous, lignicolous): 25%		
Environmental data: altitude: 100%; slope aspect: 50%; slope inclination: 100%; microrelief: 50%; soil depth: 100%; surface cover other than plants (open soil, litter, bare rock etc.): 50%; soil pH: 50%; other soil attributes: 100%; land use categories: 50%		
Performance measure(s): cover: 100%		
Geographic localisation: GPS coordinates (precision 25 m or less): 75%; point coordinates less precise than GPS, up to 1 km: 25%		
Sampling periods: 1990-1999: 50.0%; 2000-2009: 50.0%		
Information as of 2012-07-12; further details and future updates available from http://www.givd.info/ID/EU-CH-009		

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