Short Database Report

Project Database of Bolivian Ecoregions

Kerstin Bach

Abstract: The Project Database of Bolivian Ecoregions (GIVD ID SA-BO-001) contains vegetation relevés mainly from Tropical Mountain Cloud Forests in the Cotapata National Park of the Bolivian Yungas found between 1,700 and 3,400 m a.s.l. (67°43'W - 68°03'W 16°05'S - 16°20'S). Most relevés include only selected plant groups (Pteridophytes, Melastomataceae, Araceae, Bromeliaceae, Palmae and Cactaceae). Additionally, nested plots, registering all plants found, have been established for minimum area analysis. The database used for managing the collected data was developed later on at the University of Marburg; the data was migrated from Excel-sheets to a relational mySQL database with a PHP interface. The relevé data is fully editable for the creator and can be downloaded as a list by specific selection criteria. Furthermore, all specimens collected during the fieldwork are managed in this database system linking the most recent identification dynamically to the relevé data.

Keywords: Araceae; Bromeliaceae; Cactaceae; dry forest; Melastomataceae; Palmae; Páramo; Pteridophyta; tropical mountain cloud forest.

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Scope: This database contains relevés from different ecoregions in Bolivia (i.e. Tropical Mountain Cloud Forests, Páramo, Dry Forests) conducted in the Cotapata National Park of the Yungas, considering selected plant groups (Acanthaceae, Araceae, Bromeliaceae, Cactaceae, Melastomataceae, Pteridophyta, Palma).

Status: finished

Database manager(s): Kerstin Bach (bachk@staff.uni-marburg.de)

Owner: Kerstin Bach

Web address: http://not hosted at the moment

Availability: according to a specific agreement

Online upload: yes

Online search: yes

Database format(s): MySQL

Export format(s): [NA]

Publication: [NA]

Plot type(s): normal plots; nested plots

Plot-size range: 25-800 m²

Non-overlapping plots: 118

Estimate of existing plots: 104

Completeness: 113%

Total plot observations: 126

Number of sources: 0

Valid taxa: 330

Countries: BO: 100.0%

Forest: [NA] — Non-forest: [NA]

Guilds: all vascular plants: 100%; non-terricolous taxa (epiphytic, saxicolous, lignicolous): 52%

Environmental data: altitude: 100%; slope aspect: 100%; slope inclination: 95%; soil depth: 98%; surface cover other than plants (open soil, litter, bare rock etc.): 10%; soil pH: 10%; other soil attributes: 100%

Performance measure(s): cover: 100%

Geographic localisation: GPS coordinates (precision 25 m or less): 97%; point coordinates less precise than GPS, up to 1 km: 3%

Sampling periods: 2000-2009: 100.0%

Information as of 2012-07-12; further details and future updates available from http://www.givd.info/ID/SA-BO-001

Kerstin Bach (bachk@staff.uni-marburg.de)

Department of Geography, University of Marburg, Deutschhausstr. 10, 35037 Marburg, GERMANY