

# 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.

GIVD Database ID: SA-BO-001		Last update: 2012-05-06	
<b>Project Database of Bolivian Ecoregions</b>			
<b>Scope:</b> 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 ( <i>Acanthaceae</i> , <i>Araceae</i> , <i>Bromeliaceae</i> , <i>Cactaceae</i> , <i>Melastomataceae</i> , <i>Pteridophyta</i> , <i>Palms</i> ).			
<b>Status:</b> finished		<b>Period:</b> 2000-2003	
<b>Database manager(s):</b> Kerstin Bach (bachk@staff.uni-marburg.de)			
<b>Owner:</b> Kerstin Bach			
<b>Web address:</b> http://not hosted at the moment			
<b>Availability:</b> according to a specific agreement		<b>Online upload:</b> yes	<b>Online search:</b> yes
<b>Database format(s):</b> MySQL		<b>Export format(s):</b> [NA]	
<b>Publication:</b> [NA]			
<b>Plot type(s):</b> normal plots; nested plots		<b>Plot-size range:</b> 25-800 m <sup>2</sup>	
<b>Non-overlapping plots:</b> 118	<b>Estimate of existing plots:</b> 104	<b>Completeness:</b> 113%	
<b>Total plot observations:</b> 126	<b>Number of sources:</b> 0	<b>Valid taxa:</b> 330	
<b>Countries:</b> BO: 100.0%			
<b>Forest:</b> [NA] — <b>Non-forest:</b> [NA]			
<b>Guilds:</b> all vascular plants: 100%; non-terricolous taxa (epiphytic, saxicolous, lignicolous): 52%			
<b>Environmental data:</b> 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%			
<b>Performance measure(s):</b> cover: 100%			
<b>Geographic localisation:</b> GPS coordinates (precision 25 m or less): 97%; point coordinates less precise than GPS, up to 1 km: 3%			
<b>Sampling periods:</b> 2000-2009: 100.0%			
<b>Information as of 2012-07-12; further details and future updates available from <a href="http://www.givd.info/ID/SA-BO-001">http://www.givd.info/ID/SA-BO-001</a></b>			

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