## SWEA-Dataveg – vegetation of small wetlands in East Africa

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Abstract: SWEA (agricultural use and vulnerability of small wetlands in East Africa) is a multidisciplinary project which task is to evaluate the effects of land use on the ecological and socio-economical functions of small wetlands in Kenya and Tanzania. In order to allow the availability of the collected data for further studies we stored them into SWEA-Dataveg (GIVD ID AF-00-006), a database stored in Microsoft Access (mdb-format). Because this project is dealing not only with vegetation science but also with geography, soil science, hydrology and socio-economy, the database also contains information related to these research fields. Additionally, some functional traits of the plant species occurring in the relevés are included in the species list. The sampling areas are concentrated in four localities, two of them in Kenya (Karatina and Rumuruti) and two in Tanzania (Malinda and Lukozi). The vegetation ecology group is dealing in the project with the classification of the vegetation according to species composition, the correlation of plant communities with environmental factors and land uses, and the survey of potential indicator species for the determination of the resilience of wetlands. Once finished the storage, we are considering an adaptation of SWEA-Dataveg into a TURBOVEG-format as well as its extension to further projects (e.g. SWEA phase II) and relevés collected from publications.

GIVD Database ID: AF-00-006 Last update: 2012-05-09 SWEA-Dataveg Scope: Relevés in small wetlands of Kenya and Tanzania collected during the sampling activities of the SWEA-project, including semi-natural vegetation (non-used or light used fields), fallows, grasslands and weed communities in crops. Status: completed and continuing Period: 2009-2012 Database manager(s): Miguel Alvarez (malvarez@uni-bonn.de); Mathias Becker (mathias.becker@uni-bonn.de) **Owner:** SWEA-project Web address: http://www.wetlands.uni-bonn.de Availability: according to a specific agreement Online upload: no Online search: no Database format(s): MS Access Export format(s): MS Access Publication: [NA] Plot-size range: 4-10 m<sup>2</sup> Plot type(s): normal plots Non-overlapping plots: 206 Estimate of existing plots: 1,000 Completeness: 21% Total plot observations: 206 Number of sources: [NA] Valid taxa: 406 Countries: KE: 50.0%; TZ: 50.0% Forest: [NA] - Non-forest: [NA] Guilds: all vascular plants: 100% Environmental data: [NA] Performance measure(s): presence/absence only: 2%; cover: 98% Geographic localisation: small grid (not coarser than 10 km): 100% Sampling periods: 2000-2009: 98.0%; 2010-2019: 2.0% Information as of 2012-07-12; further details and future updates available from http://www.givd.info/ID/AF-00-006

Keywords: Aquatic plant; bio-indicator; land use; resilience; wetland ecology.

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