



Databasing and web-connection of the mycological collections in the Herbarium Görlitz

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Abstract:

The herbarium in Görlitz (GLM) has at present 47 000 vouchers covered in a locally situated database (Eumycota, non-lichenised, mainly of East German geographic origin, collections from the 2nd half of the 20th century). These data will be converted into *Diversity Workbench* database components. Further 3 000 – 5 000 vouchers are to be entered into the database, all collections will be georeferenced and the data prepared for online presentation.

Project description and results:

The herbarium in Görlitz presently contains representatives of ca 3 800 non-lichenised macromycete taxa. One important and wide-ranged sector of the herbarium's specimens consists of poroid and corticioid wood-inhabiting fungi, which were the main focus of collection from 1968 to 1995. (Dunger 1987, 1989). Within the last decade the taxonomical and geographical scope of the herbarium (presently 44 countries) has been continually expanding. Currently, molecular studies in the Basidiomycete genus *Hebeloma* (Fr.) P. Kumm. (Boyle *et al.*, in prep.) have led to intensive collection activities regarding this genus. Furthermore, considerable external accessions have significantly augmented the compass of the Görlitz herbarium, most recently the extensive

the compass of the Görlitz herbarium, most recently the extensive collections of phytopathogenic fungi from Dr H. Jage, Kemberg. As use of herbarium material for classical, molecular and related studies is on the increase, there is a growing tendency world wide for herbaria to present a catalogue of their collections on the Internet, rendering biological material more readily available for researchers of all relevant disciplines. This has the additional effect of providing insight into currently existing voucher-documented biodiversity.

The GBIF project intended to reach this goal began on 1 July 2003. The digitalisation of the voucher-associated data, examples of which are shown in Figs 1 and 2, is presently being implemented using a database in MS-Access 2000 format (Fig. 3). Existing data are being supplemented, as far as possible, with geographic coordinates, both with the Bessel-ellipsoid map datum (Potsdam) as well as WGS 84 as geodesic basis. The generated data will be converted to *Diversity Collection*, a module of the *Diversity Workbench* database system currently being developed within the framework of the German GBIF Node for Mycology. In consequence, they will ultimately be made freely accessible via Internet.



Fig. 1: Herbarium sheet from 1890, not yet databased

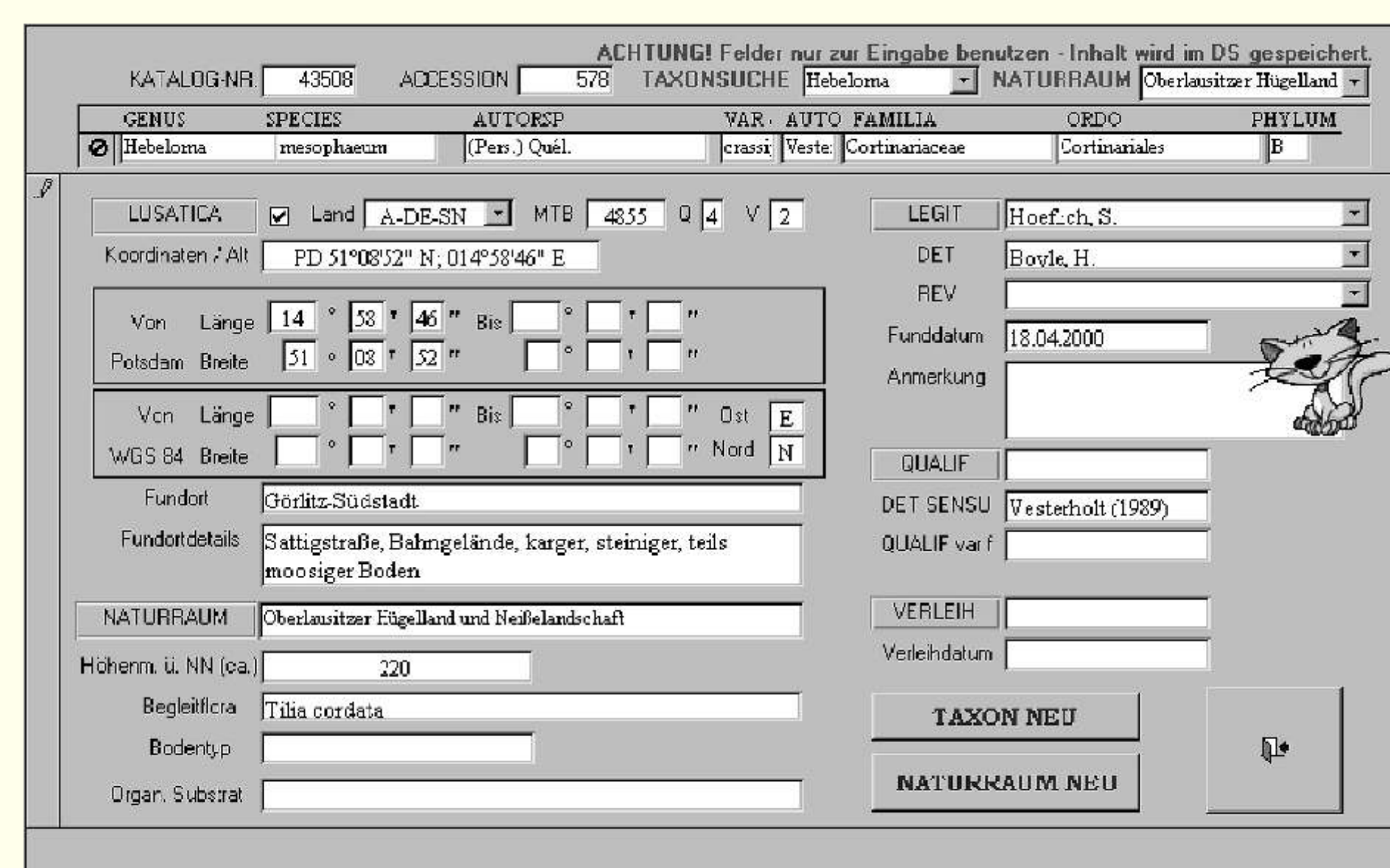
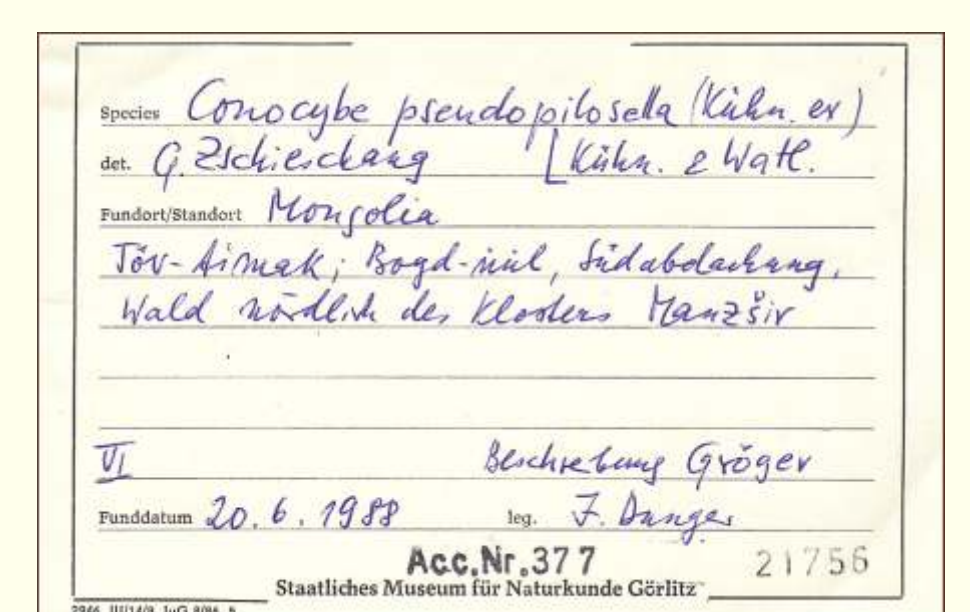
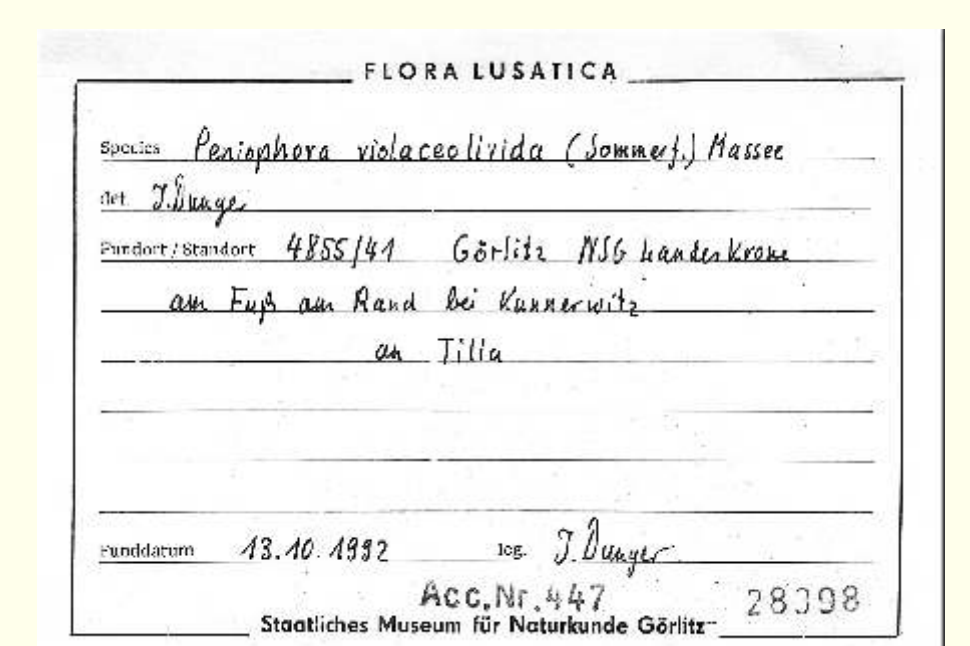
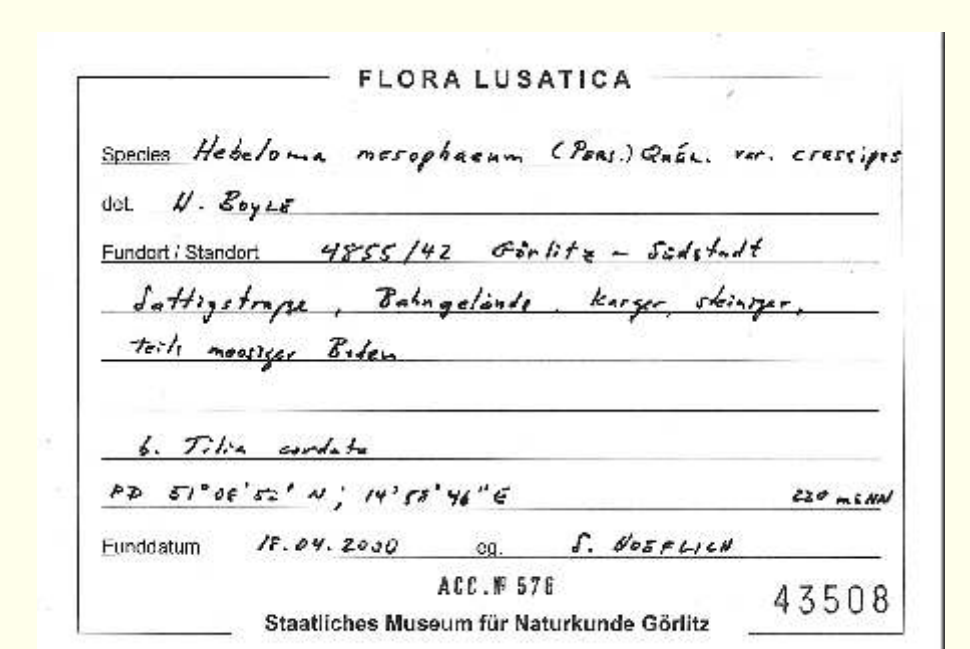


Fig. 3: User interface of the fungal collection database in GLM



Fig. 2: Four examples of original voucher labels of the Görlitz herbarium



References:

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