

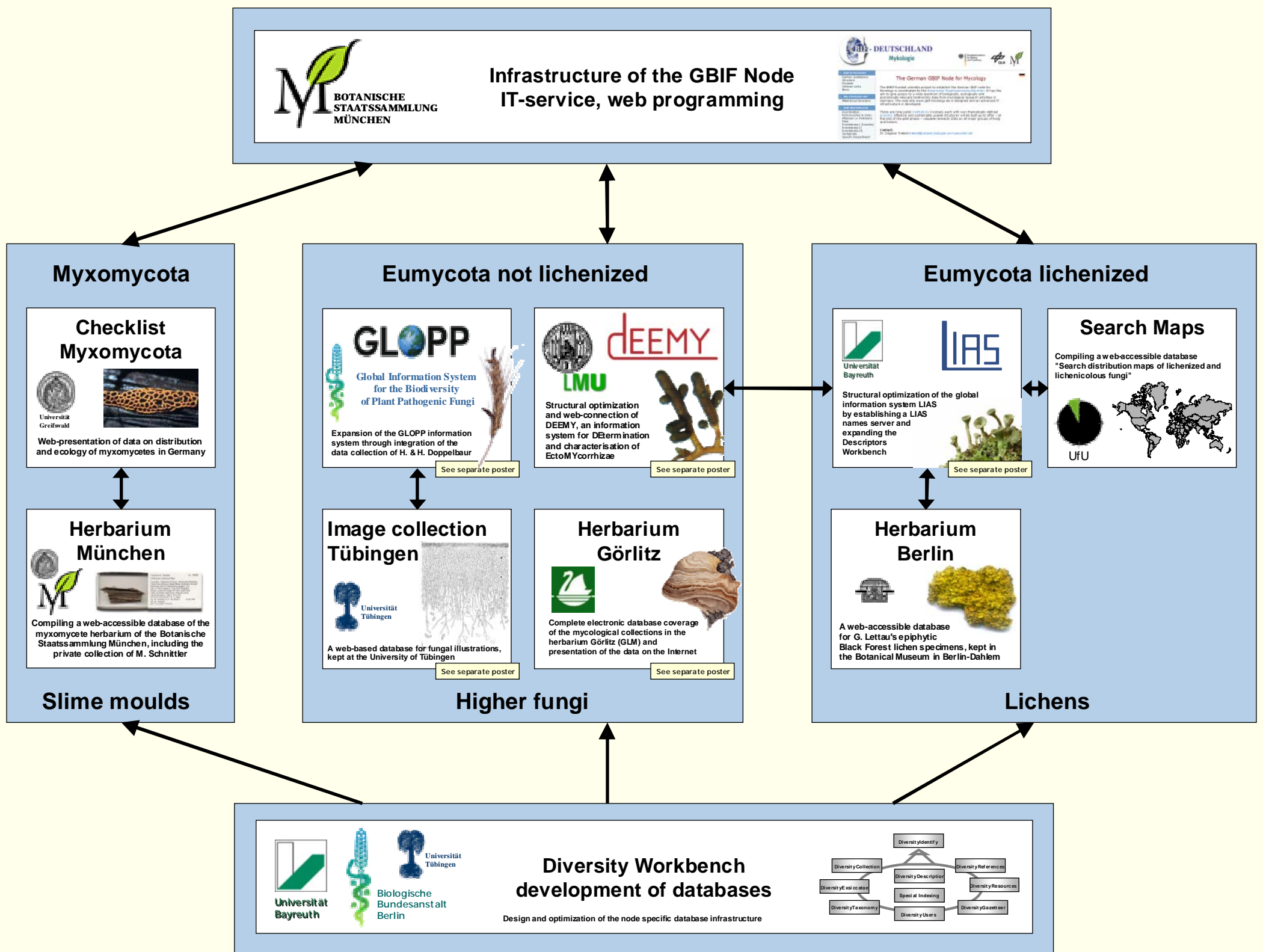
Establishing the German GBIF Node for Mycology

Dagmar Triebel, Wiltrud Spiesberger & Markus Weiss

Botanische Staatssammlung München, Mycology Dept.,
Menzinger Straße 67, D-80638 München, Germany



The German GBIF Node for Mycology will serve as a center for mycological and lichenological biodiversity data in Germany. The actual focus is on georeferenced specimen and observation data as well as on descriptive data at species level. The node will act as **combined participant and multiple data node** within the framework of GBIF International. The node project coordinates the activities of the eleven partner projects actually established under this umbrella. It gives technical as well as scientific advice to the single projects and will **build up a sustainable infrastructure** that allows a long time run of the GBIF Participant Node at the Botanische Staatssammlung.



The establishing of the German GBIF Node for Mycology started with **nine** partner institutions which are involved in **eleven** projects. The general concept is to collect and present online a large amount of mycological biodiversity data especially from ecologically and commercially important organisms. Therefore five projects are confined to the **technical and structural optimization** and extension of already existing databases and information systems with data of high value for applied research (e.g. identification tools of DEEMY, GLOPP and LIAS). Four projects are housed at major natural history collections and devoted to the **databasing of their specimen data** (herbaria in Göttingen, Berlin, München, Tübingen). The Diversity Workbench project is focused on **database development** for the special requirements of the GBIF Node for Mycology and works closely together with the node project. Regarding the organism groups involved there are three focal points: myxomycetes, higher fungi and lichens.

The GBIF Node for Mycology is administrating a **central cluster of Internet servers** with combined Linux and Microsoft platforms. In cooperation with the Diversity Workbench project, the node project develops an IT structure for data storage, access, and database interoperability, builds up special web interfaces, installs web services and offers tailored information to GBIF International. A **bilingual internet portal** for easy user access and service information is designed and offered in cooperation with "The Mycology.Net" under www.gbif-mykologie.de and www.gbif-mycology.de. A universal database client (*DiversityNavigator*®) and several **web services for data evaluation and analysis** developed in the BIOTA subproject S04 are extended by special GBIF relevant needs and applications.