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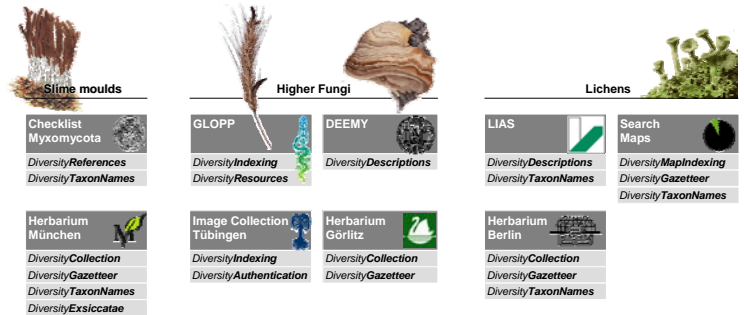
The mycological network

The international initiative "Global Biodiversity Information Facility" started in 2001. Already two years later the German GBIF Node for Mycology (<http://www.gbif-mycology.de>) was installed as a service centre for mycological and lichenological biodiversity data. Its goal is to facilitate the online access to high quality data collections especially from ecologically and commercially important organisms. Meanwhile, the node is administrating a server network, acting as GBIF data provider, transferring data from proprietary databases into applications of the biodiversity component framework *Diversity Workbench* and is giving technical as well as scientific advice to database custodians.

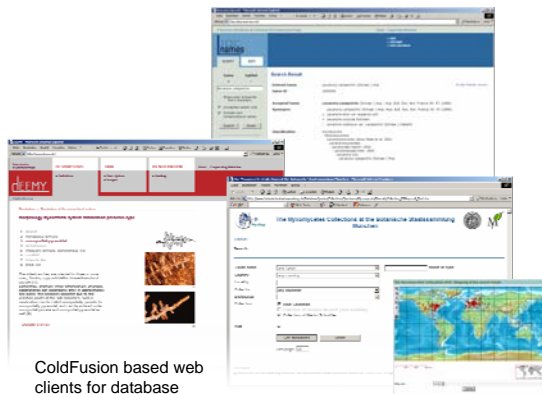
The German GBIF Node for Mycology together with associated biodiversity informatics projects is developing web clients and database wrappers for online access and is building a sustainable IT infrastructure. Applications are developed within the concept of the *Diversity Workbench* (<http://www.diversitycampus.net/Workbench/download.html>).

The German mycological network originally started with 9 partner institutions and 11 data projects. Currently, 16 databases and information systems are collaborating.

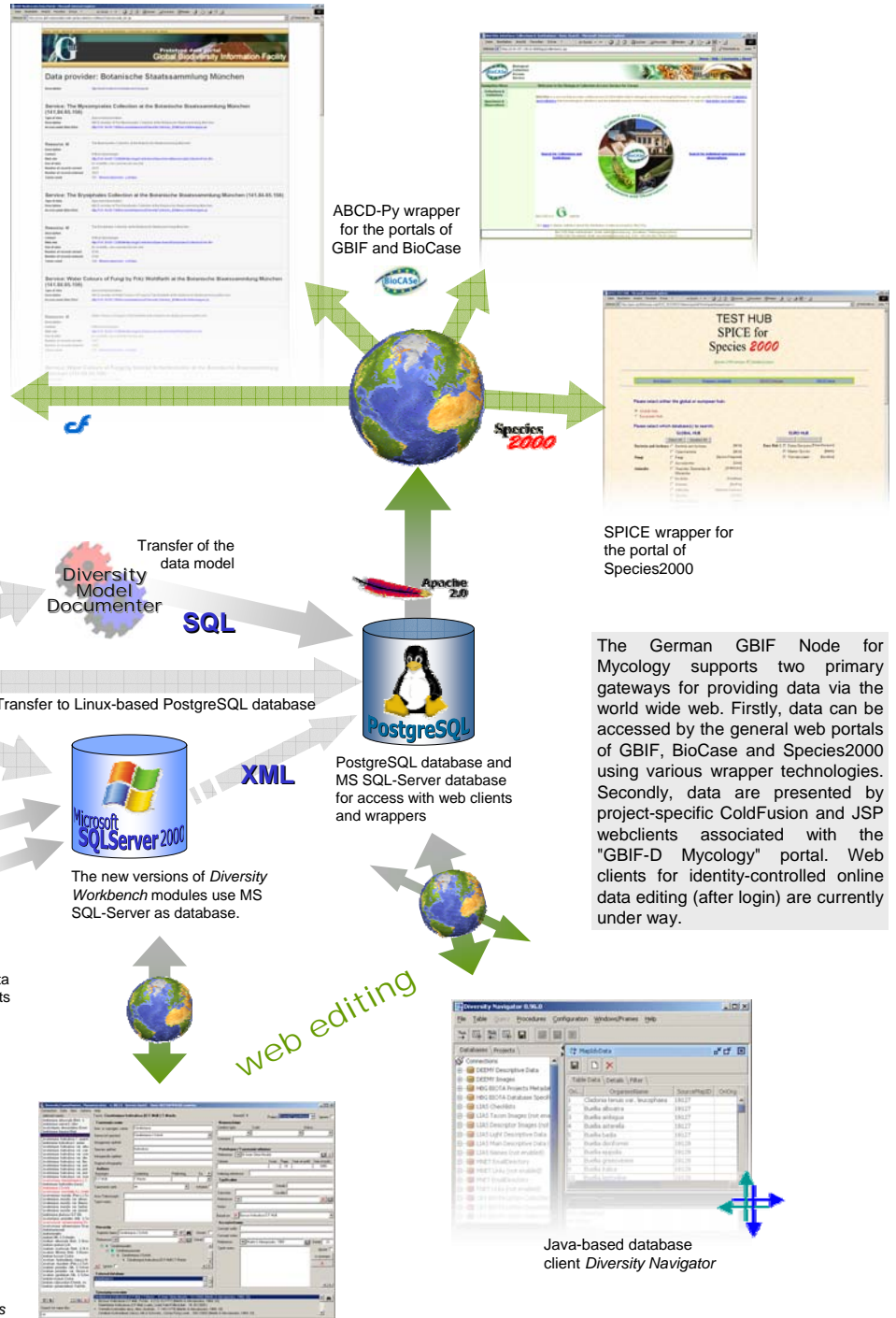
GBIF-D Mycology projects and *Diversity Workbench* components



The node-specific IT infrastructure



ColdFusion based web clients for database queries



SPICE wrapper for the portal of Species2000

The German GBIF Node for Mycology supports two primary gateways for providing data via the world wide web. Firstly, data can be accessed by the general web portals of GBIF, BioCase and Species2000 using various wrapper technologies. Secondly, data are presented by project-specific ColdFusion and JSP webclients associated with the "GBIF-D Mycology" portal. Web clients for identity-controlled online data editing (after login) are currently under way.

Data from different sources were imported into database applications of the *Diversity Workbench*

local editing

For editing the data several local clients were developed

The node-specific IT infrastructure comprises a network of several Linux and MS Windows operating systems. The client-server databases MS SQL-Server and PostgreSQL are used.

.Net-based *DiversityTaxonNames* database client

Java-based database client *Diversity Navigator*