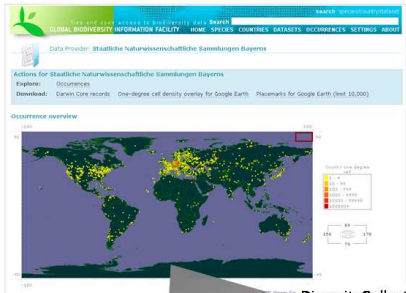


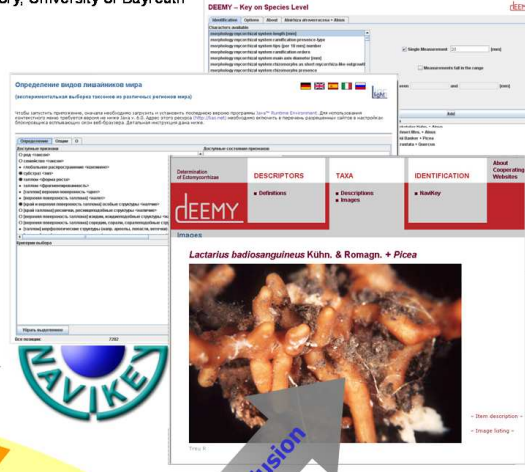
The Diversity Workbench

a virtual biodiversity research environment

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SQL Server Compact
Compact Framework
Microsoft
.net



DiversityCollection provides the option to export data to GBIF via the BioCase-Wrapper by using the TDWG standard schema ABCD.

Data repository



DiversityCollection

- Collection
 - Relations between organisms
 - Loan management
 - Tabular view
 - Import / Export (ABCD, ...)
 - Labels (xslt)
 - Images for parts, specimens, events ...
 - Context dependent interface

DiversityDescriptions

- Descriptions
 - DELTA compatibility
 - Natural language descriptions
 - SDD support

DiversitySamplingPlots

- Sampling plots
 - Hierarchy
 - Geography / GIS

Biodiversity data

www.DiversityWorkbench.net

Webservices:

- Catalogue of Life
- Index Fungorum
- Paleobiology Database

The Workbench facilitates the dynamic integration of web services and external data resources.

GeoNames

- DiversityTaxonNames_Fungi
- DiversityTaxonNames_Plants
- DiversityTaxonNames_Vertebrata
- DiversityTaxonNames_Mycomycetes

DiversityTaxonNames

- Scientific names
 - Synonymy
 - Hierarchy
 - Checklists
 - Geography

The Diversity Workbench represents a virtual research environment for management and analysis of biological data. The framework is appropriate to store different kinds of biodiversity data. It is capable and flexible enough to be applied as data storage unit for institutional data repositories. The Diversity Workbench consists of interacting database components. Clients of every component are used as standalone applications and provide supporting functions to clients of corresponding components. This results in a high flexibility with regard to the conceptual design, enabling sophisticated user administration and a rapid setup of new entry forms.

Thesauri

DiversityAgents

- People and institutions
 - Synonymy
 - Hierarchy
 - Addresses (accumulative)
 - Project dependent presentation

DiversityScientificTerms

- Scientific terms
 - Synonymy
 - Hierarchy
 - Languages
 - Properties

DiversityGazetteer

- Gazetteer
 - Coordinates
 - Hierarchy
 - Languages

DiversityReferences

- References
 - Synonymy
 - Hierarchy
 - Languages

DiversityExsiccatae

- Exsiccatae
 - Hierarchy of exsiccatal series
 - Images for comparison
 - Bibliography

DiversityMaintenance

- Maintenance
 - Documentation
 - Data transfer

Storage in computational center.

Administration

Administration of the access to the data via user groups and projects.

DiversityProjects

- Projects
 - Hierarchy
 - Optional - Proxy in other modules
 - Settings e.g. for project specific handling of media