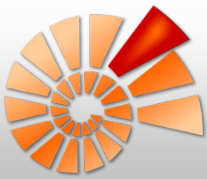


The Diversity Workbench

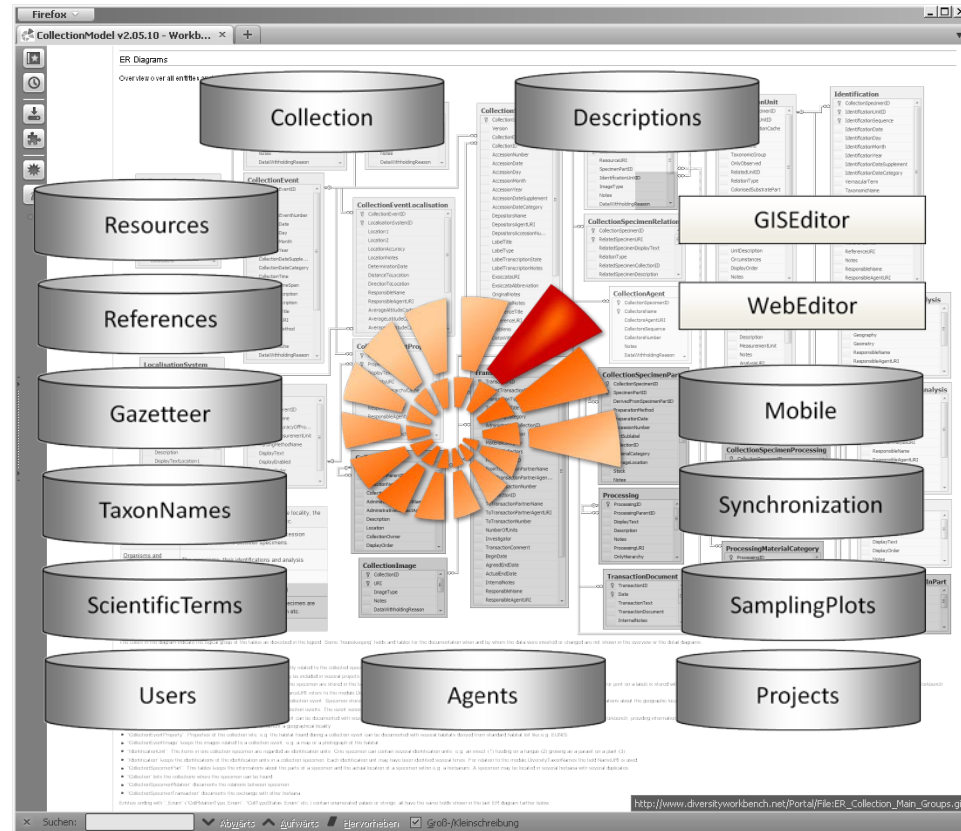
A Data Management Environment

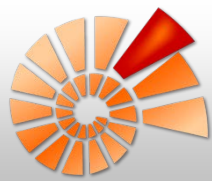
Dagmar Triebel



DWB – Architecture

- Database framework
- 13 database components for maintaining biodiversity and environmental data
- Designed according to logical data domains
- Namespace with ca. 2,000 elements
- ER models with > 240 linked tables
- Interoperable rich clients for data processing, reorganising and management
- Tools for data curators in data centers





DWB – Work in Progress

- National cooperative initiative since 1999
- Team with 4-5 software developers
- Ca. 120 users, e. g. natural science collections and major research groups in Germany

DiversityWebEditor

Daten verwalten

Fundort anlegen:
Neu Kopieren Löschen

Sammelobjekt anlegen:
Neu Kopieren Löschen

Daten anzeigen

Nord Suchen

Von <dd.MM.yyyy> 13

Bis <dd.MM.yyyy> 15

Max. Anzahl Treffer 100

Fundortverzeichnis

- ▷ Svalbard, Spitsbergen, Norder
- ▷ Frankreich, dép. Ariège, Pyren
- ▷ Bayern, Oberbayern, Ammerg.
- M-0041993
- ▷ Buche im Wald bei Brandenbei
- ▷ W-Spitzbergen, Isfjord-Gebiet
- Felsköpfe bei 900 m herausra
- ▷ Österreich, Tirol, Kitzbüheler Z
- ▷ Spanien: Prov. Zaragoza, Sien
- ▷ Nordtirol: Gschnitztal, Martei
- M-0041332
- ▷ Italienische Alpen. Val Cisono

Daten eingeben

Ortsangaben

ok	Fundortbeschreibung	Land	Region	Datum	Sammelmethode	Breiten
<input type="checkbox"/>	Nordtirol: Gschnitztal, Marteier Tal bei Grelnitz, auf Kalk	Austria	Gschnitz, Tirol, Austria	09.03.1919		

Sammelobjekt

ok	GBOL-Nr.	Feldnummer	Sammler	Anzahl Individuen	Entwicklungsstadium	Geschlecht
<input checked="" type="checkbox"/>	M-0041332		Wettstein, F. von			

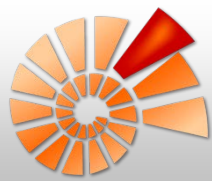
Bestimmung

ok	Taxon-Name	Familie	Taxon-Hierarchie
<input type="checkbox"/>	Dacampia hookeri (Borrer) A. Massal.	Dacampiaceae	Ascomycota Pezizomycotina Dothideomycetes Dacampiaceae Dacampia

Probe

ok	Fixierungsmethode	Sammlungs-Nr.	Platte oder Box	Position in Platte	Gewebetyp	Gewebemenge
<input type="checkbox"/>			M M-Fungi	Dacampia hookeri (Borrer) A. Massal.		

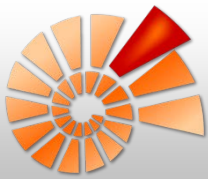
Allgemeine Bemerkungen (nur für Projektbeteiligte)



DWB – Strategies for System Development

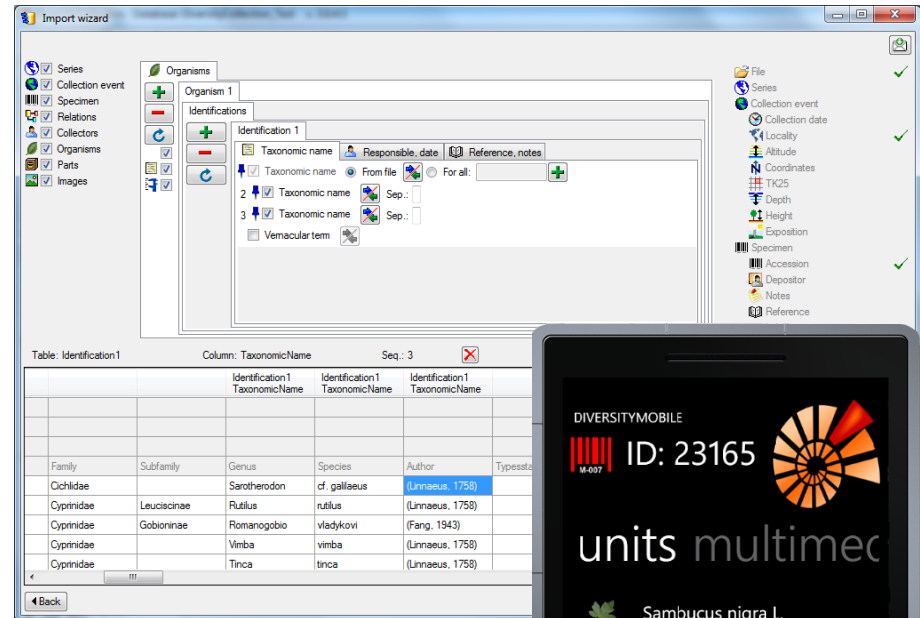
- Publication of software and ER models
- GPL License
- www.diversityworkbench.net

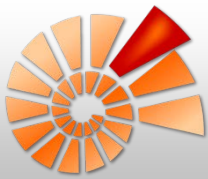
The screenshot displays the DiversityCollection v. 3.0.3.6 interface. The top window shows a specimen record for *Ceratotherium simum* (Burchell, 1817) with specimen ID 178055. The main window shows a query result for a plant specimen with ID 446521. The interface includes a left sidebar with a tree view of specimen data, a central image viewer showing a photograph of green leaves, and a right sidebar with taxonomic details for *Trioza flavipennis* Förster and *Ixodes ricinus* Linnaeus, 1758. The bottom right corner features a detailed taxonomic form with fields for taxonomic group, gender, family, order, and identifier.



DWB – Strategies for User Acceptance

- Software development in cooperation with users
- Structured data import without loss of information
- Flexible tools for data management and reorganisation, e.g. user interfaces for data exchange and import wizards

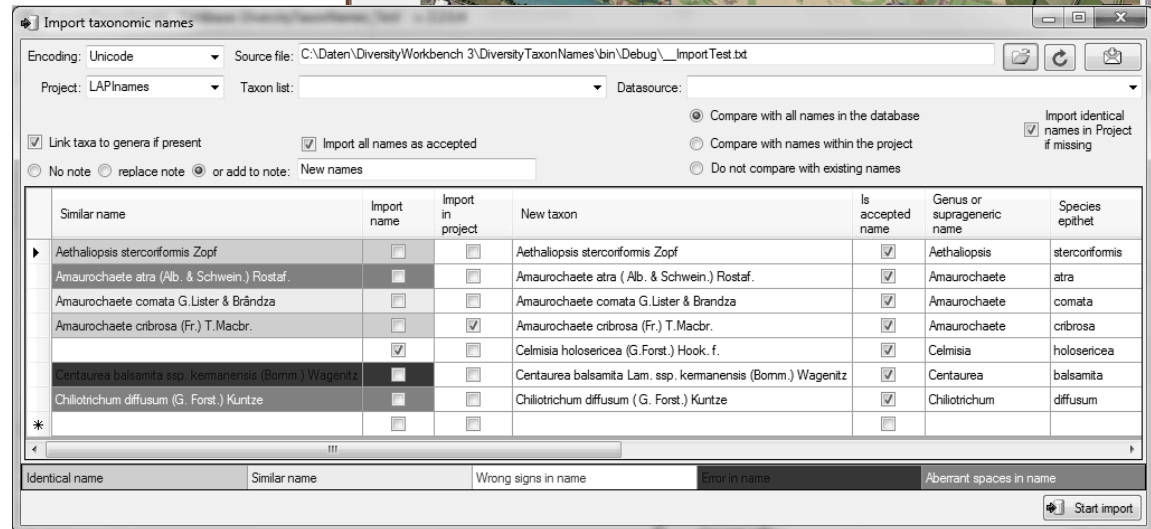
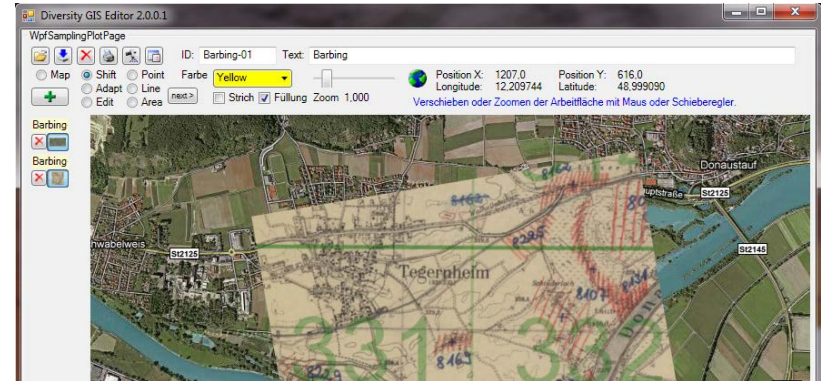


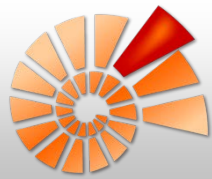


DWB – Strategies for User Acceptance

Services provided by the SNSB IT Center:

- Support with database administration
- Access to SNSB data pipelines and international portals
- Access to DWB contents, vocabularies and thesauri
- User help desk and workshops





DWB – Strategies for IT-Sustainability

Set up of wizards for data export

- e.g. XML-export of standard and non-standard research data via various technical formats and standards like SDD



Bayerisches Staatsministerium für
Wissenschaft, Forschung und Kunst



DFG Deutsche
Forschungsgemeinschaft