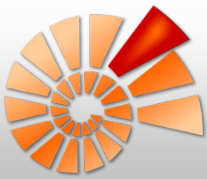# The Diversity Workbench

# 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
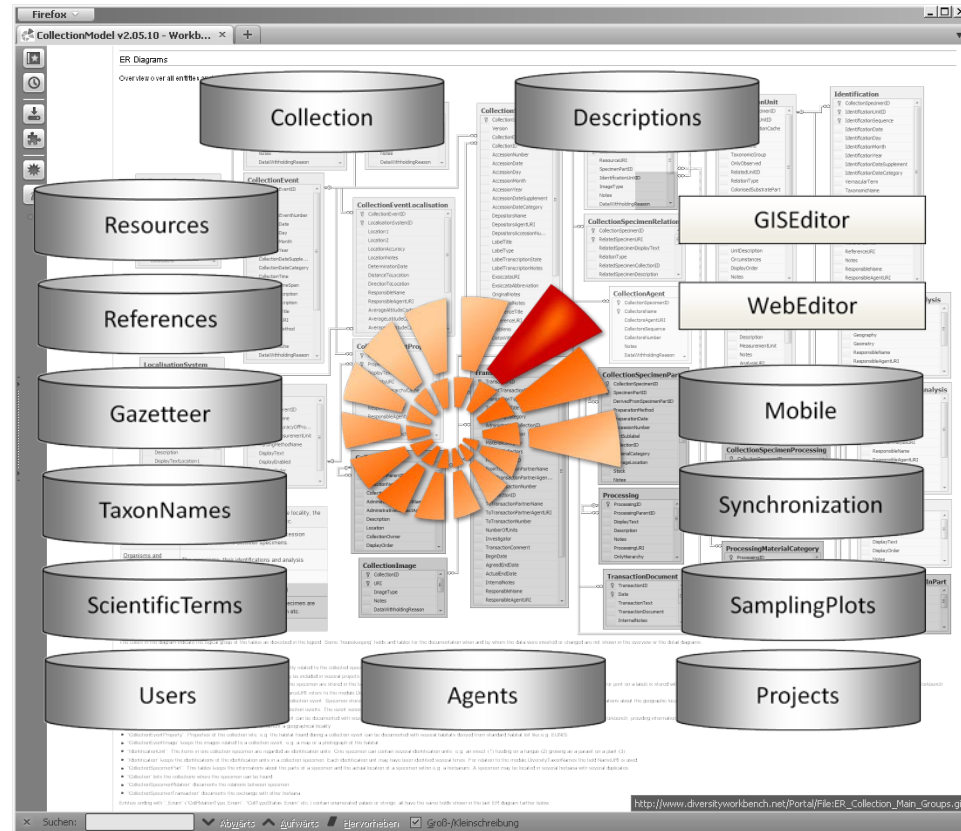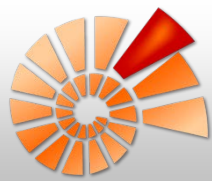
DWB – Work in Progress

- 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

DWB – Strategies for System Development

- Publication of software and ER models

- GPL License

- www.diversityworkbench.net
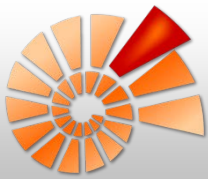
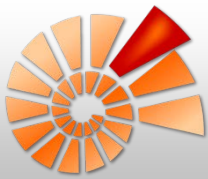# DWB – Strategies for User Acceptance

- 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
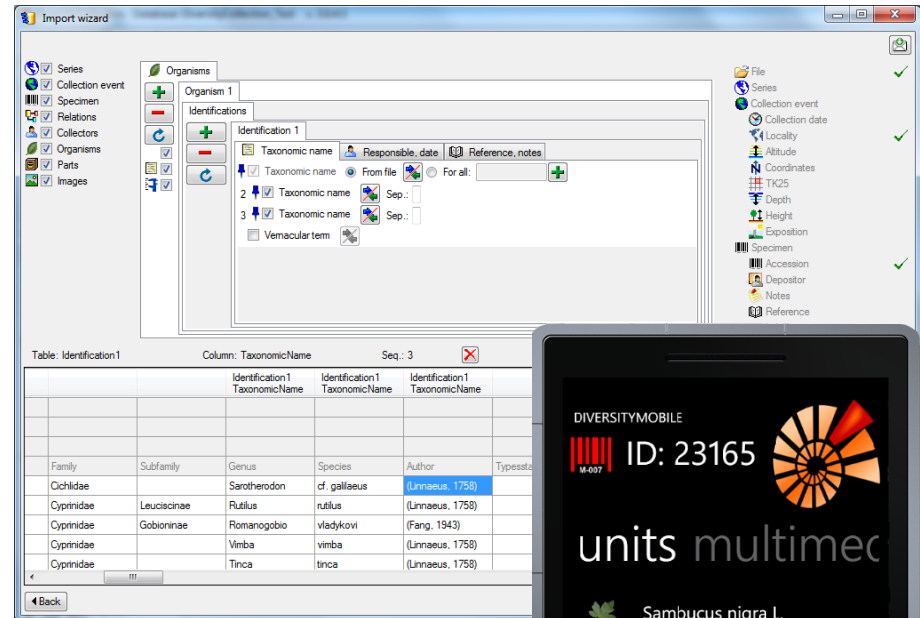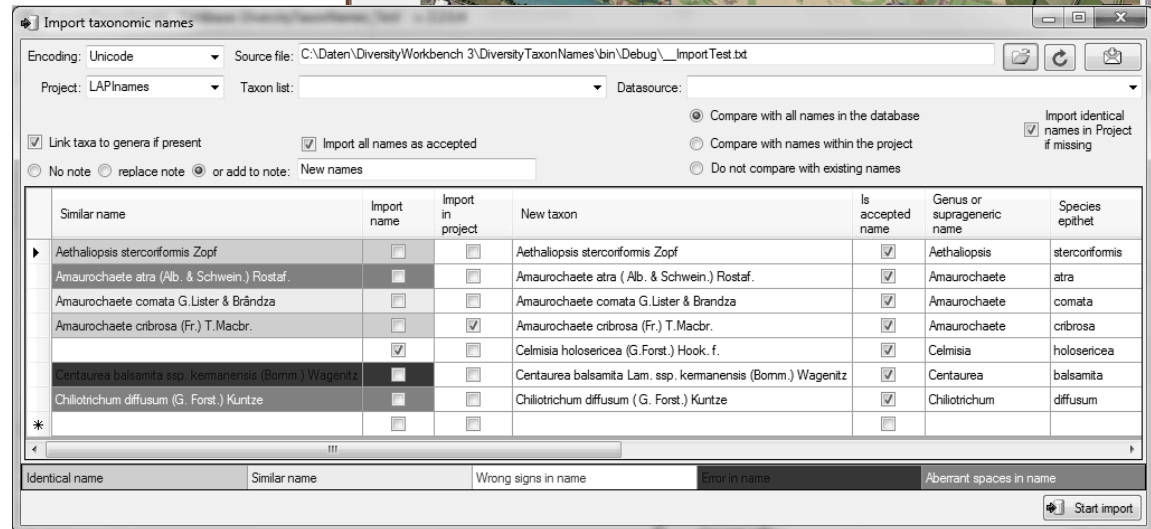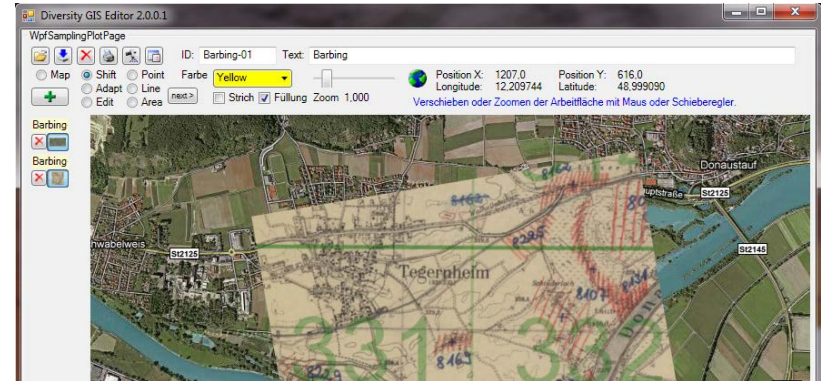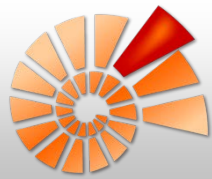
DWB – Strategies for User Acceptance

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

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

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und Forschung

Bayerisches Staatsministerium für
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DFG Deutsche
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snsb
it center