



Diversity Workbench

Software zum Management
von Biodiversitätsdaten

Markus Weiss



Diversity Workbench

www.diversityworkbench.net

Entwicklung seit 1999



Page [Discussion](#)

Diversity Workbench

(Redirected from [Main Page](#))

The Diversity Workbench (DWB) is work in progress, aiming at developing a set of information models and application components that collaborate through agreed software interfaces and services from other applications, but at the same time does not need to know about the internal design and implementation of them (encapsulation principle). The goal is to create a common framework for biodiversity information.

Currently, three institutions with four partners/ editors are involved: the Bavarian Natural History Collections with the [SNSB IT Center](#), the University of Bayreuth, [DNA-Analyse](#) and the [Julius-Kühn Institut](#) Berlin.

Contents [hide]

- 1 Diversity Workbench – Software tools for building and accessing biodiversity information
- 2 Diversity Workbench Flyer
- 3 Diversity Workbench job announcements
- 4 Diversity Workbench related workshops
- 5 Diversity Workbench information models
- 6 Diversity Workbench software
- 7 Diversity Workbench information

- Diversity Workbench
- About DWB
- Information models
- Software
- All pages
- Help

- ▼ Toolbox
- What links here
- Related changes
- Upload file
- Special pages
- www.diversityworkbench.net





Module der Diversity Workbench

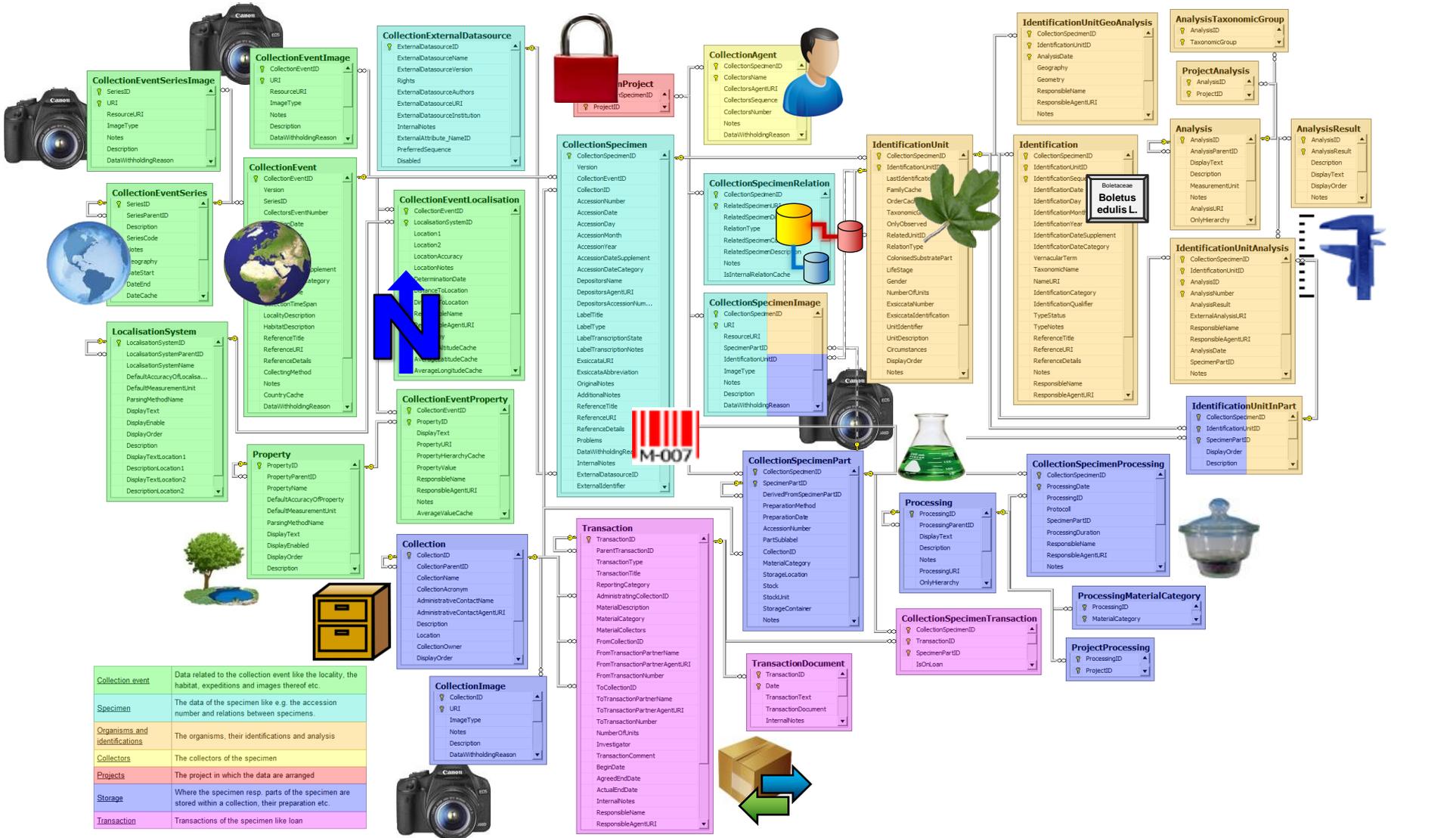
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DiversityCollection - ER-Diagramm

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Collection_event	Data related to the collection event like the locality, the habitat, expeditions and images thereof etc.
Specimen	The data of the specimen like e.g. the accession number and relations between specimens.
Organisms and identifications	The organisms, their identifications and analysis
Collectors	The collectors of the specimen
Projects	The project in which the data are arranged
Storage	Where the specimen resp. parts of the specimen are stored within a collection, their preparation etc.
Transaction	Transactions of the specimen like loan



DiversityCollection - Struktur

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 Expedition, Sammelreise mit Koordinaten und Bildern

  Sammelpunkte
mit Datum...



Sammelreisen, Expedition, ...

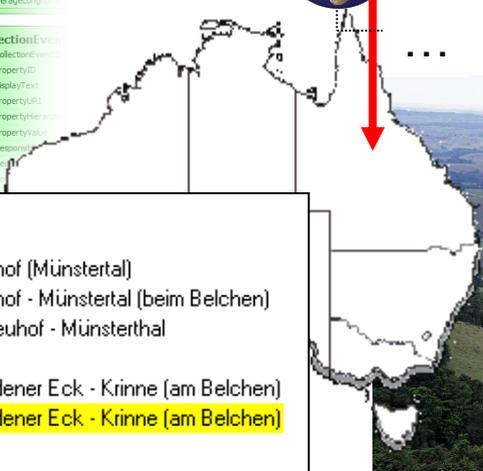
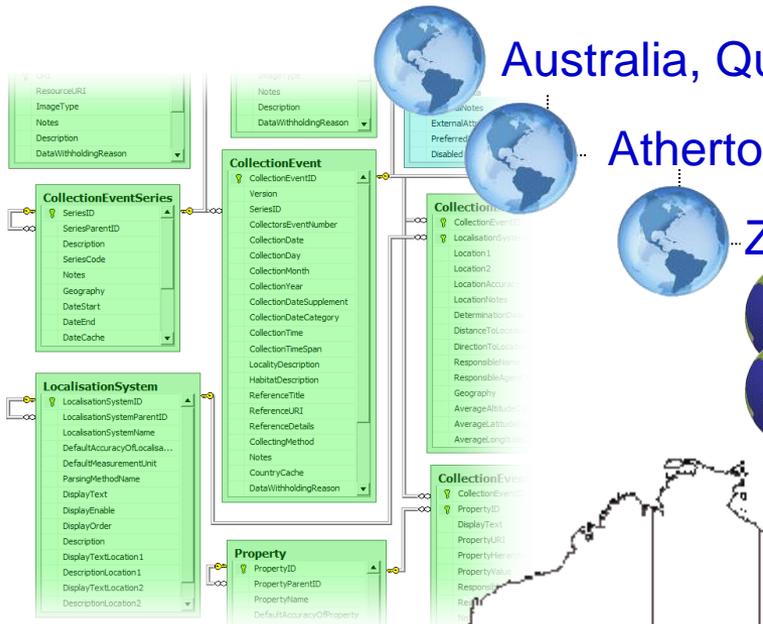
Australia, Queensland

Atherton Tablelands, Summer 1987

Zillie Falls, ca. 7 km NE of Millaa Millaa

05.06.1987, Basalt boulders beside stream

06.06.1987, Trees beside stream above falls

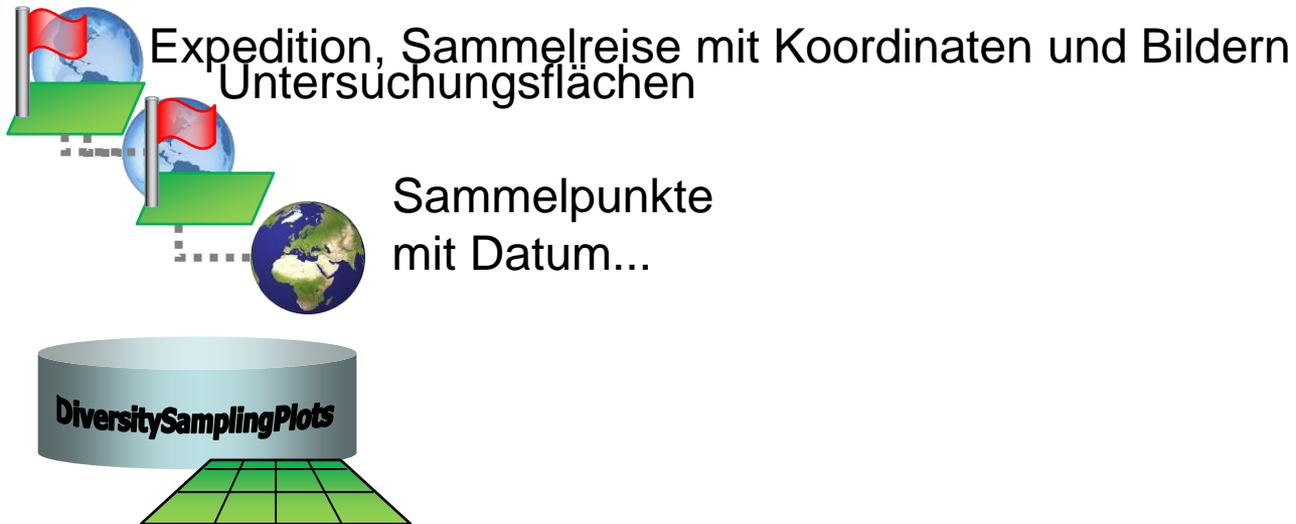


- Schwarzwald 1912
 - Neuhof
 - 6.10.1912 [Schwarzwald] Baden: Neuhof (Münstertal)
 - 6.10.1912 [Schwarzwald] Baden: Neuhof - Münstertal (beim Belchen)
 - 6.10.1912 [Schwarzwald] Baden: 2) Neuhof - Münsterthal
 - Wiedener Eck
 - 6.10.1912 [Schwarzwald] Baden: Wiedener Eck - Krinne (am Belchen)
 - 6.10.1912 [Schwarzwald] Baden: Wiedener Eck - Krinne (am Belchen)
 - B 60 0112132
 - B 60 0112132a
 - Fagus
 - 6.10.1912 (Schwarzwald) Baden: Wiedener Eck - Krinne (am Belchen)
 - 6.10.1912 [Schwarzwald] Baden: 2) Wiedener Eck - Krinne (am Belchen)
 - 6.10.1912 [Schwarzwald] Baden: 2) Wiedener Eck - Krinne (Belchen)



DiversityCollection - Struktur

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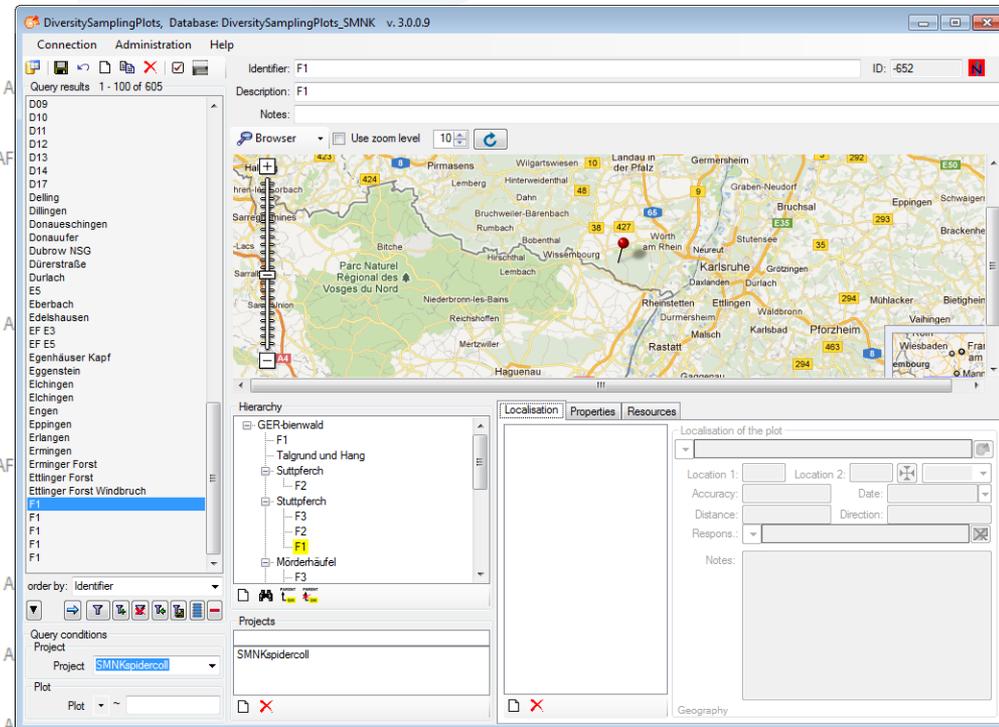
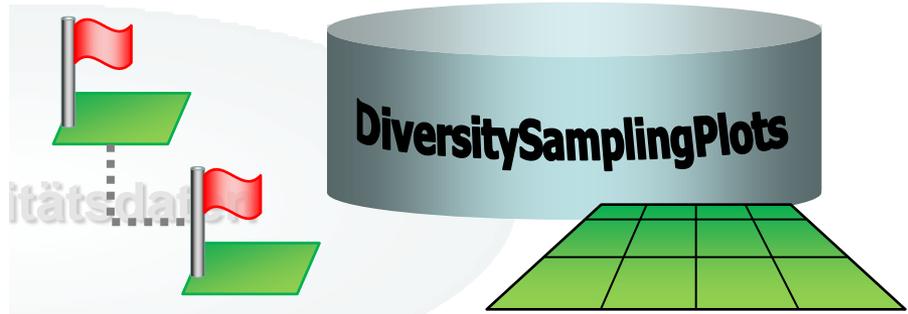




Untersuchungsflächen

www.diversityworkbench.net

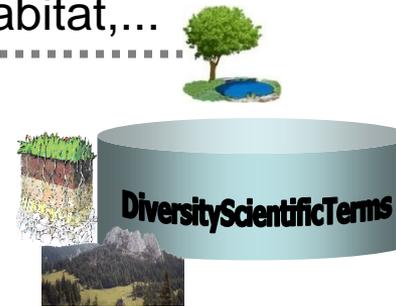
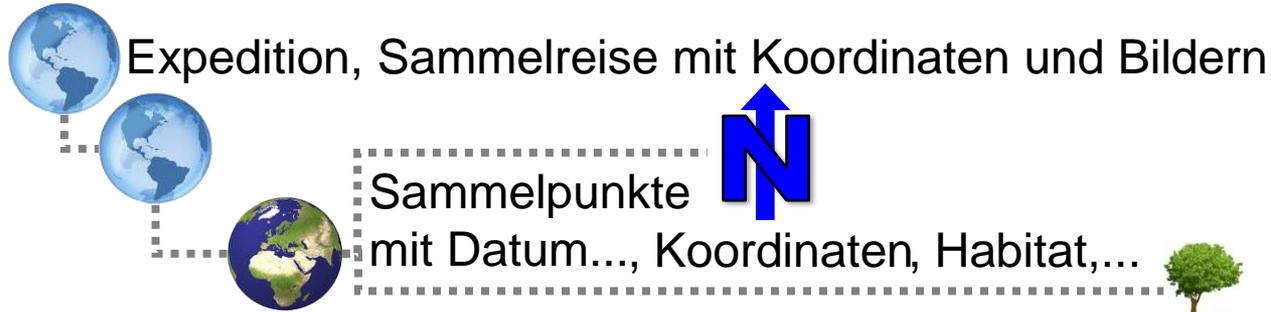
- GER-alterflugplatz
- S-9B
- Falle 3
 - 2010/4/23 2010/04/30 Deutschland, Karlsruhe, Baden-Württemberg, Alter Flugplatz Karlsruhe Sandrasen AF-S-9B
 - SMNK-ARA 07258
 - Hyposisinga albovittata (Westring, 1851) [male]
 - 2010/4/9 2010/04/16 Deutschland, Karlsruhe, Baden-Württemberg, Alter Flugplatz Karlsruhe Sandrasen AF-S-9B
 - SMNK-ARA 07177
 - Typhochrestus digitatus (O.P.-Cambridge, 1872) [female]
 - Typhochrestus digitatus (O.P.-Cambridge, 1872) [male]
 - 2010/5/18 2010/05/25 Deutschland, Karlsruhe, Baden-Württemberg, Alter Flugplatz Karlsruhe Sandrasen AF-S-9B
 - SMNK-ARA 07413
 - Hyposisinga albovittata (Westring, 1851) [male]
 - 2010/5/25 2010/06/01 Deutschland, Karlsruhe, Baden-Württemberg, Alter Flugplatz Karlsruhe Sandrasen AF-S-9B
 - SMNK-ARA 07528
 - Pocadicnemis juncea Locket & Millidge, 1953 [male]
 - SMNK-ARA 07560
 - Ozyptila simplex (O.P.-Cambridge, 1862) [male]
- Falle 2
 - 2010/4/23 2010/04/30 Deutschland, Karlsruhe, Baden-Württemberg, Alter Flugplatz Karlsruhe Sandrasen AF-S-9B
 - SMNK-ARA 07276
 - Pardosa monticola (Clerck, 1757) [female]
 - 2010/4/9 2010/04/16 Deutschland, Karlsruhe, Baden-Württemberg, Alter Flugplatz Karlsruhe Sandrasen AF-S-9B
 - SMNK-ARA 07141
 - Stylocetor romanus (O.P.-Cambridge, 1872) [male]
 - SMNK-ARA 07178
 - Typhochrestus digitatus (O.P.-Cambridge, 1872) [female]
 - Typhochrestus digitatus (O.P.-Cambridge, 1872) [male]
- Falle 1
 - 2010/4/23 2010/04/30 Deutschland, Karlsruhe, Baden-Württemberg, Alter Flugplatz Karlsruhe Sandrasen AF-S-9B
 - SMNK-ARA 07275
 - Pardosa monticola (Clerck, 1757) [female]
 - Pardosa monticola (Clerck, 1757) [male]
 - SMNK-ARA 07282
 - Pardosa palustris (Linnaeus, 1758) [female]
 - 2010/4/9 2010/04/16 Deutschland, Karlsruhe, Baden-Württemberg, Alter Flugplatz Karlsruhe Sandrasen AF-S-9B
 - SMNK-ARA 07140
 - Stylocetor romanus (O.P.-Cambridge, 1872) [male]
 - SMNK-ARA 07176
 - Typhochrestus digitatus (O.P.-Cambridge, 1872) [male]
 - 2010/5/11 2010/05/18 Deutschland, Karlsruhe, Baden-Württemberg, Alter Flugplatz Karlsruhe Sandrasen AF-S-9B
 - SMNK-ARA 07388
 - Cheiracanthium virescens (Sundevall, 1833) [male]
 - 2010/5/18 2010/05/25 Deutschland, Karlsruhe, Baden-Württemberg, Alter Flugplatz Karlsruhe Sandrasen AF-S-9B
 - SMNK-ARA 07369
 - Phlegra fasciata (Hahn, 1826) [female]
 - 2010/5/25 2010/06/01 Deutschland, Karlsruhe, Baden-Württemberg, Alter Flugplatz Karlsruhe Sandrasen AF-S-9B





DiversityCollection - Struktur

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Wissenschaftliche Terminologien

www.diversityworkbench.net

DiversityScientificTerms v. 3.0.0.0

Connection Administration Help

Terminology: Lithostratigraphy ID: 3285 TermID: 3431

Terminology: Untere Keuper Filter lang.: [dropdown]

Query results 1 - 64

- Mainhardt Formation
- Meißner Formation
- Mittlerer Buntsandstein
- Mittlerer Keuper
- Mittlerer Muschelkalk
- Muschelkalk
- Oberer Buntsandstein
- Oberer Gipskeuper
- Oberer Keuper
- Oberer Muschelkalk
- Periode
- Röt Formation
- Rottweil Formation
- Rüdersdorf Formation
- Schilfsandstein
- Solling Formation
- Steigerwald Formation
- Steinmergelkeuper
- Stubensandstein
- Stuttgart Formation
- Trias
- Trochitenkalk Formation

Trias

- Buntsandstein
 - Mittlerer Buntsandstein
 - Oberer Buntsandstein
 - Unterer Buntsandstein
- Keuper
 - Mittlerer Keuper
 - Oberer Keuper
 - Exter Formation
 - Untere Keuper**

Display text: Untere Keuper

Description:

Broader term: Keuper

Ranking term: Untergruppe Is a ranking term

Hierarchy: / Keuper / Trias

External ID:

Notes:

Language: Deutsch

Properties References

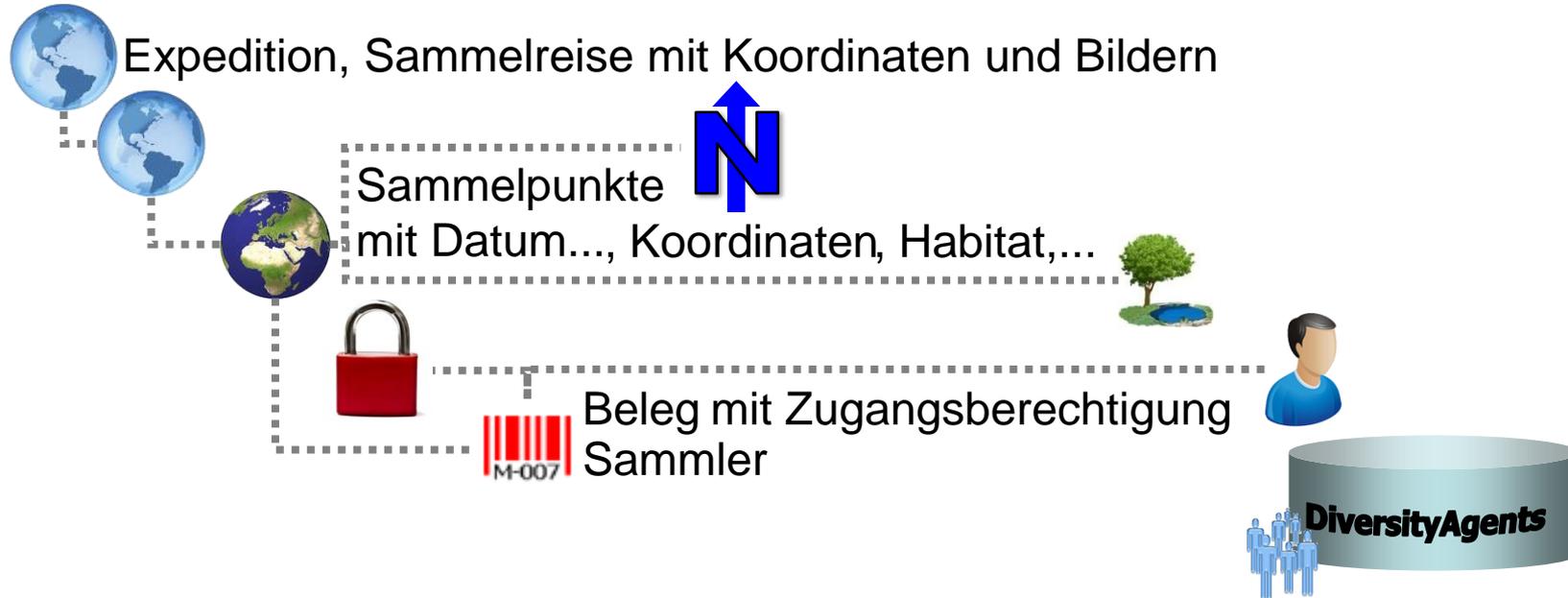
Age from Value: 230

Age to Notes:



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DiversityAgents

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DiversityAgents v. 3.0.0.4

Connection Query View Administration Help

Agent: **Rößner, Gertrud, Dr.** ID: 37688 Revision: unchecked

Version: 2

Title	Given name	Postfix	Prefix	Inherited name	Postfix
Dr.	Gertrud			Rößner	

Abbreviation	Type	Gender	Role
	Person		wissenschaftliche Oberassistentin

Description:

Ori. spelling:

Notes:

Place of birth: dd | mm | yyyy Place of death: dd | mm | yyyy Suppl.:

Hierarchy Synonymy References Relations

- Staatssammlung für Anthropologie und Paläoanatomie
 - Abt. Paläoanatomie
 - Obermaier, Henriette, Dr.
- Bayerische Staatssammlung für Paläontologie und Historische Geologie
 - Nützel, Alexander, Dr.
 - Rößner, Gertrud, Dr.**
 - Wemer, Winfried, Dr.
 - Rauhut, Oliver, Dr.

order by: Agent Name

Query conditions

Project

Agent

Agent ~ hert

Abbr. ~

Forename ~

Surname ~

Revision ~

Type ~

Contact

Country ~

Country ~

City ~

Country ~

Postal code ~

City ~

Street address ~

Address: ~

Cellular phone ~

Telefax ~

Email: ~

until ~

ExternalAgentURI

Images

Keywords

Paläontologie

Projects

BSMAddresses

Sammlung
daten



DiversityTaxonName

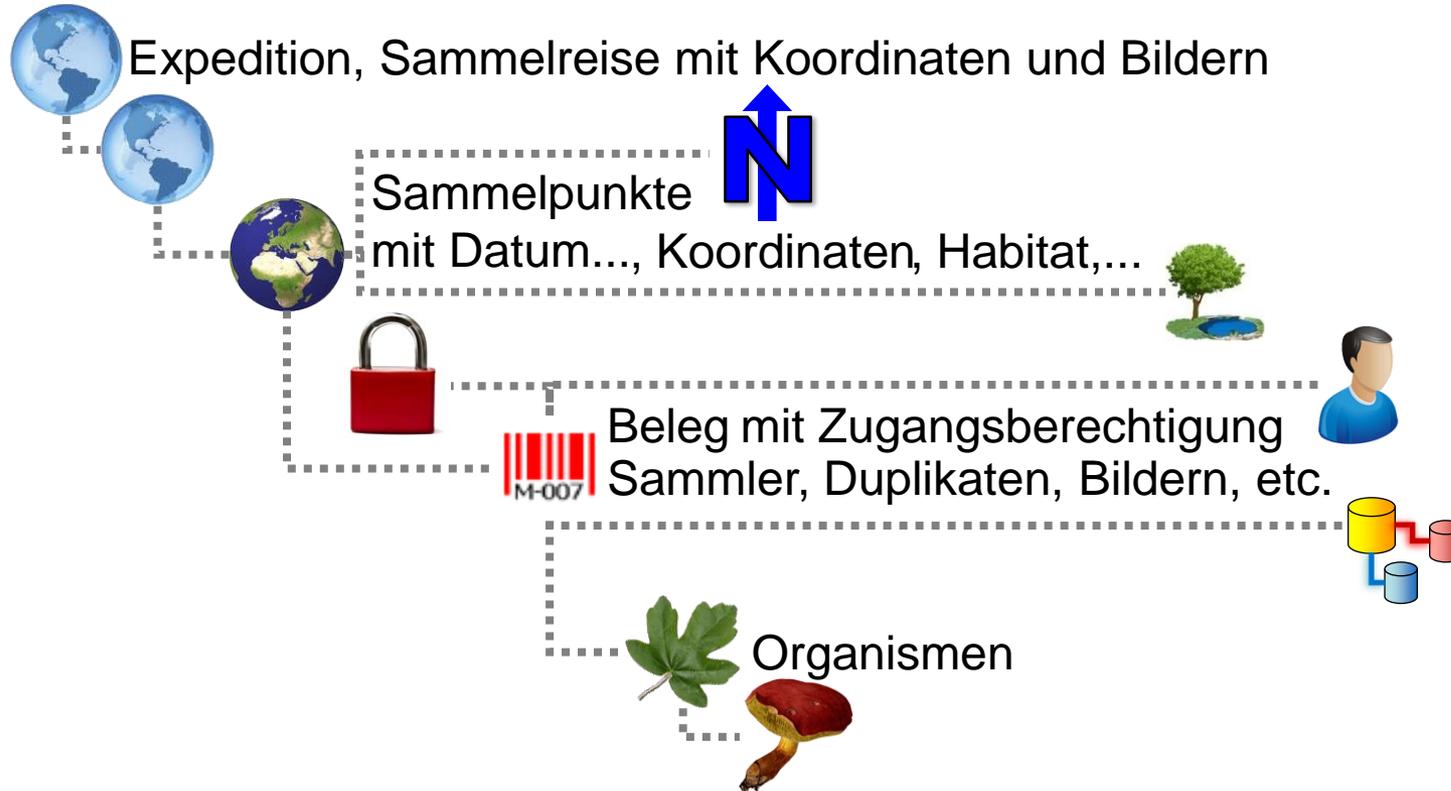
DiversityScientif

DiversityAgents



DiversityCollection - Struktur

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Beziehungen zwischen Organismen

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Pinus



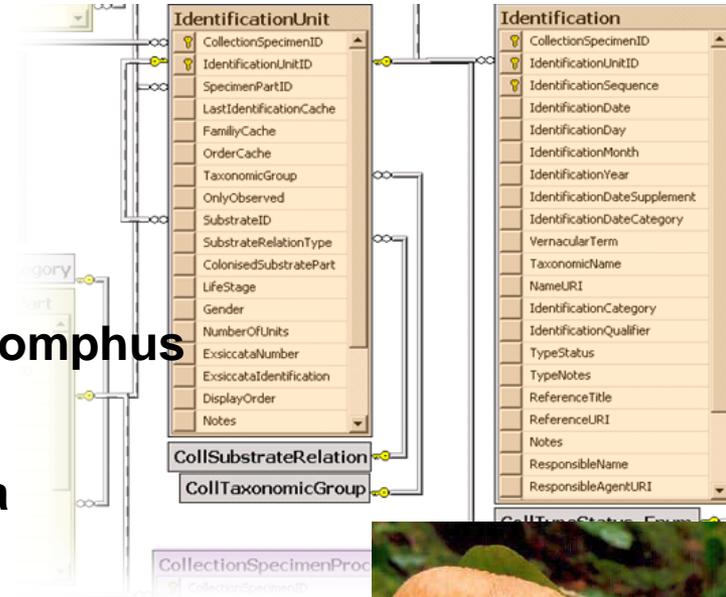
Rhizopogon



Chroogomphus



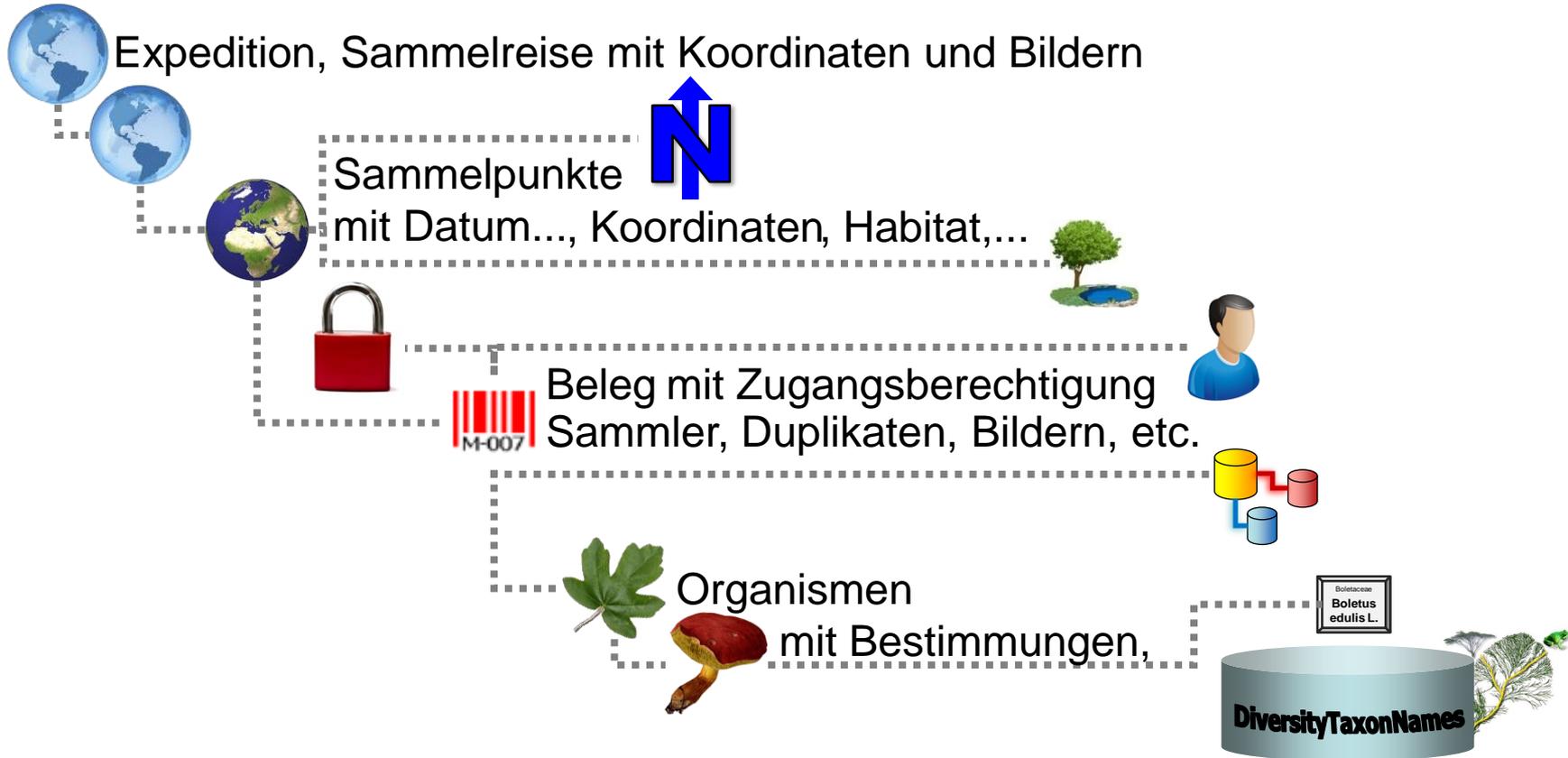
Suillia





DiversityCollection - Struktur

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Taxonomische Namen

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Flechten

Sammlungsdaten



Pflanzen

Schleimpilze



Insekten

Vögel

Säuger

The screenshot displays the DiversityTaxonNames software interface. The main window shows the taxonomic details for *Biatora sylvana* Körb. The interface includes a left sidebar with a list of items (101-152 of 152) and a central panel with various tabs: Taxonomy, Typification, Geography, Common names, Projects, Synonymy, Taxon lists, and Specimen. The Taxonomy tab is active, showing the taxonomic name, rank (species), and a hierarchy tree. The Typification tab shows the reference (New reference 1) and typification details (isoelectotype M-0061230). The Synonymy tab shows that *Biatora sylvana* is a heterotypic synonym of *Lecania hyalina* (Fr.) R. Sant. The bottom panel shows a synonymy overview with a list of references, including the original description by Körb. in 1855.

DiversityTaxonNames

Spinnen



Insekten

Vögel

Säuger



DiversityCollection - Struktur

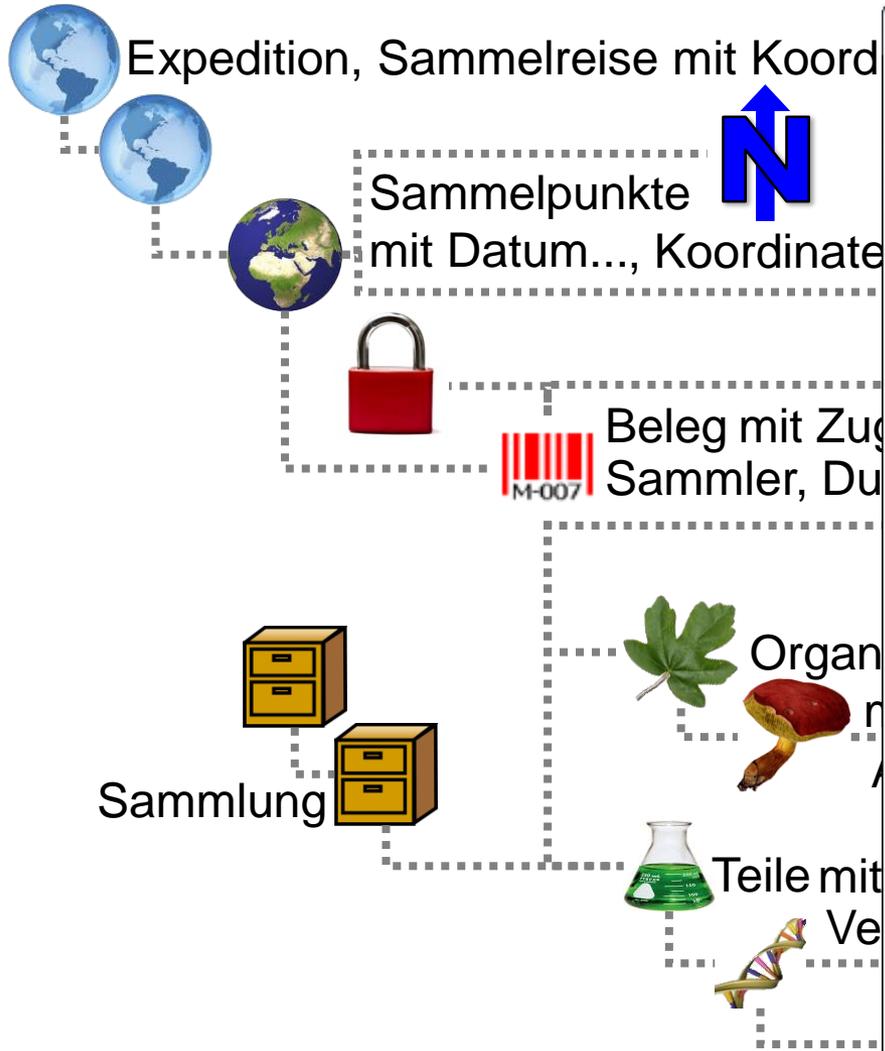
www.diversityworkbench.net

The screenshot displays the DiversityCollection software interface. The main window, titled "Collection", shows a collection named "ZSM-DNA Bank" containing 126 items. A central image shows a collection of butterflies in a display case. Below the image, there are navigation controls and a URL: <http://www.naturkundemuseum-berlin.de/u>. The left sidebar lists various collection categories, including "Microscopic slides", "M-Lichens", "MSB", "M-VascularPlants", "Phioles", "private herbaria", "PRM", "Rak 1/1/1", "Raum 204", "REG", "REG-VascularPlants", "Sandelzhausen", "SAPM", "Schrank III", "Schublade 96", "Slide box series A", "Slide box series B", "Slide box series E", "Stollebau", "STU", "STU-VascularPlants", "TestCollection", and "Theresienstr. 37-39 Keller 33". The bottom left shows query conditions for "Collection", "Namen", "Akronym", "Beschreib.", and "Ort". The right sidebar shows a detailed view of a specimen, including a thumbnail image, a "Type:" field, a "Withhold.reason:" field, and "Notes:". The bottom right shows the specimen's "Display order: 100" and "ID 10059".



DiversityCollection - Struktur

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Processing

View

Query results 1 - 1

Mazeration

Processing

- Mazeration
 - Kochen
 - Entfleischen
 - Trocknen
 - Käfer
 - Enzyme
 - Wamwassemazeration
 - Einfrieren

Display text: Mazeration

Description:

Notes: Only for hierarchy

Mat. cat.:

- bones
- complete skeleton
- incomplete skeleton
- postcranial skeleton
- single bones
- skull
- tooth

Projects:

- SAPMmammaliacoll
- SAPMpiscescoll

URI:

order by: Processing

Query conditions

Project: SAPMmammaliacoll

Processing

Name: ~

Descripti.: ~

Notiz: ~

URI: ~



Verwaltung von Ausleihen etc.

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Administration of transactions

Transaction

Loan to B. Hein

- 2004
- 2005
- 2006
- 2007

Details Sending Confirmation Reminder Partial return Return Saved documents

Date: 08.09.2011 Schema

Schema file: C:\Daten\DiversityWorkbench 2.0\DiversityCollection\bin\Debug\Transaction\Schemas\Inventory.xslt

Include subcollections Include all related collections Number of specimen: 452

Botanische Staatssammlung München

zugegangen am: 16. Jan. 2007

452 Kry/Fungi: The Fungal Collection of Seth Lundell

Geschenk

Inv.-Nr.: 6609

Zugang: Kry/Fungi: 452 Belege - The Fungal Collection of Seth Lundell

Geber: Helga Grosse-Brauckmann, Seeheim
Geschenk

Fuligo cinerea (Schwein.) Morgan M-0140301
Albatrellus cristatus (Schaeff.) Kotl. & Pouzar M-0140302
Amylocystis lapponicus (Romell) Bondartsev & Singer ex Singer M-0140303 - M-0140304
Amylocystis albatrelli (Romell) Niemelä & K.H. Larsson M-0140305 - M-0140306

Specimen

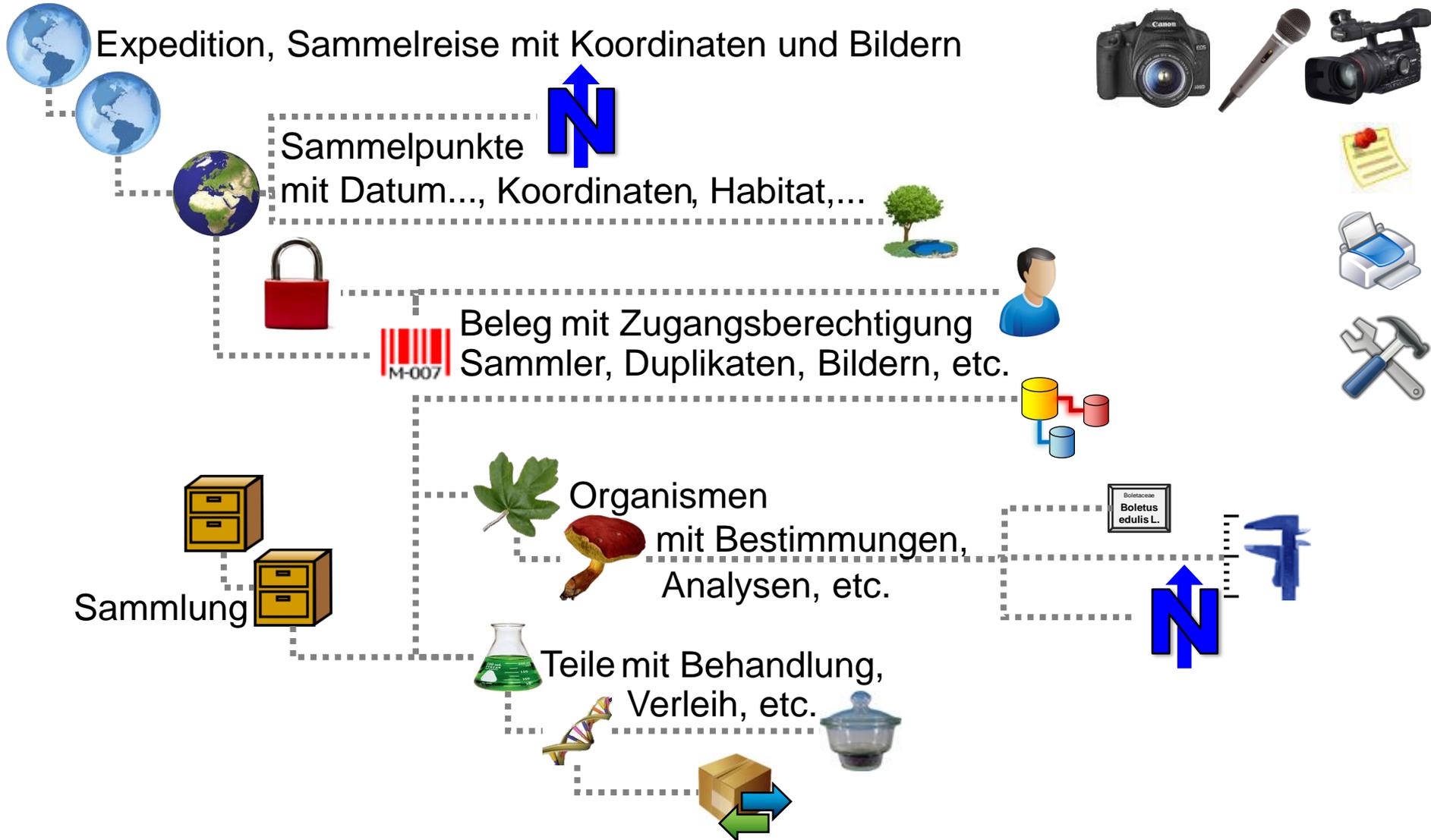
- M-0140301 - specimen
- M-0140302 - specimen
- M-0140303 - specimen
- M-0140304 - specimen
- M-0140305 - specimen
- M-0140306 - specimen
- M-0140307 - specimen
- M-0140308 - specimen
- M-0140309 - specimen
- M-0140310 - specimen
- M-0140311 - specimen
- M-0140312 - specimen
- M-0140313 - specimen
- M-0140314 - specimen
- M-0140315 - specimen
- M-0140316 - specimen
- M-0140317 - specimen
- M-0140318 - specimen
- M-0140319 - specimen
- M-0140320 - specimen
- M-0140321 - specimen
- M-0140322 - specimen
- M-0140323 - specimen
- M-0140324 - specimen
- M-0140325 - specimen
- M-0140326 - specimen
- M-0140327 - specimen
- M-0140328 - specimen
- M-0140329 - specimen
- M-0140330 - specimen
- M-0140331 - specimen

Description ~
Category ~



DiversityCollection - Struktur

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DiversityCollection - Oberfläche

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The screenshot shows the DiversityCollection v. 3.0.3.8 interface. The top menu includes Connection, Grid, Query, Data, Administration, and Help. The main area is titled 'Distribution map' and shows a map of Europe with red pins indicating collection locations. The left sidebar contains an 'Ergebnis liste' (Result list) with specimen IDs and search criteria. The right sidebar shows 'Details' for a specimen, including its taxonomic name and identification information.

Ergebnis
liste

Such
kriterien

Bilder
Etiketten
Karten

Details

Übersicht



GIS Editor

www.diversityworkbench.net

Diversity GIS Editor 2.0.0.1

WpfsamplingPlotPage

ID: Barbing-01 Text: Barbing

Map Shift Point Farbe Yellow

Adapt Line next > Strich Füllung Zoom 1.000

Position X: 1207.0 Position Y: 616.0
Longitude: 12.209744 Latitude: 48.999090

Verschieben oder Zoomen der Arbeitsfläche mit Maus oder Schieberegler.

ID: TK25_7133 Text: Eichstätt

Map Shift Point Color Yellow

Adapt Line next > Stroke Füllung Opacity 100 %

Position X: 480.6 Position Y: 197.7
Longitude: 11.167528 Latitude: 48.912155

Catch corner of shape/image and press left mouse button to move it



Tutorial - collection specimen

To set the accession number for the collection specimen, select it in the overview (see point 1 in image below) enter the accession number (see point 2 in image below).

1 – select the collection specimen

2 – enter the accession number

3 – search for next-free accession number

4 – enter a project

To search for the next free accession number, click on the corresponding button as shown above (see point 3 in image above). A window as shown below will open. Start the search for a free accession number. If the query ended successful, click **OK** to take the new accession number in your dataset.



Sprache, Kontext

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DiversityCollection v. 3.0.3.9

Verbindung | Tabelle | Suche | Daten | Administration | Hilfe | Update

Suchergebnisse 1 - 100 von 90135

ordnen nach: Beleg Nr.

Suchkriterien

Projekte

Projekt

Gesamt- oder Teilbelege

Beleg Nr. ~ m

Collection ~

Sammlungsbeleg

Beleg Nr. ~

Zug.Dat. =

Etikett

Typ ~

Stand ~

Sammelereignis

Beleg Nr. **M-0000001** **Solanum megaspermum Agra**

1964/8/31 5 1/2 km above the Ca
Altitude (mNN): 2000 m NN
Peru
M-0000001
Solanum megaspermum
Solanum megaspermum
Hutchison, P.C.
Bismarck, K. von

Beleg Ort u. Zeit Version Pub.Sperre
ID: **439500** 294815 4 6 GPI: not comp

Solanum megaspermum Agra 539568

Tax. Gru.: Pflanz Anzahl: .Nur beob
Geschlecht: Stadium:
Familie: Solanaceae Ordnung:
Kennung: Beschreib.:
Beziehung: Umstände:
Besied. Teil: Notiz:

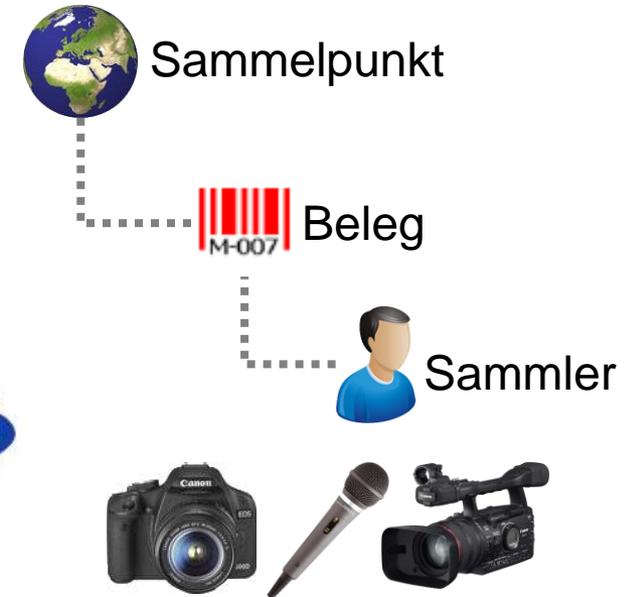
Bestimmungen

Tax. Name: Solanum megaspermum Agra

Dt.Bezeich.: Quali.:
Best.: Kategorie:
Notiz Typ: ? Typus: type
Date: Suppl.: Kat.:
Lit.: Syst. Bot. 33(3): 5 Details:
Notiz:



Rechte, Zugang





Webportale

www.diversityworkbench.net

Species 2000 Catalogue of Life: 15th March 2012
indexing the world's known species

Species 2000 Catalogue of Life: 15th March 2012
indexing the world's known species

MELNET

Full name:	MELnet
Short name:	MELnet
Version:	1.0, Mar 2011
Release date:	2011-03-09
Authors/editors:	Rennett, F., Golbach, R., Ulloa, C.
Taxonomic coverage:	Plantae
English name of the group:	Melastomatales
Number of species:	4,539
Number of infraspecific taxa:	202
Number of synonyms:	4,857
Number of common names:	0
Total number of names:	9,598
Abstract:	The family Melastomatales is one of the largest families in the order Myrtales, with over 1,000 species. It is a highly diverse group, with many species being economically important. The MELnet database provides a comprehensive list of species and infraspecific taxa, along with their synonyms and common names.
Organization:	Botanische Staatssammlung München, Botanische Staatssammlung Bonn, Botanische Staatssammlung Gießen, Botanische Staatssammlung Jena, Botanische Staatssammlung Leipzig, Botanische Staatssammlung Regensburg, Botanische Staatssammlung Ulm, Botanische Staatssammlung Würzburg, Botanische Staatssammlung Bamberg, Botanische Staatssammlung Bayreuth, Botanische Staatssammlung Coburg, Botanische Staatssammlung Erfurt, Botanische Staatssammlung Kempten, Botanische Staatssammlung Memmingen, Botanische Staatssammlung Oberfranken, Botanische Staatssammlung Ostbayern, Botanische Staatssammlung Unterfranken, Botanische Staatssammlung Mittelfranken, Botanische Staatssammlung Schwaben, Botanische Staatssammlung Bayern.
Website:	http://melnet.org

LIAS

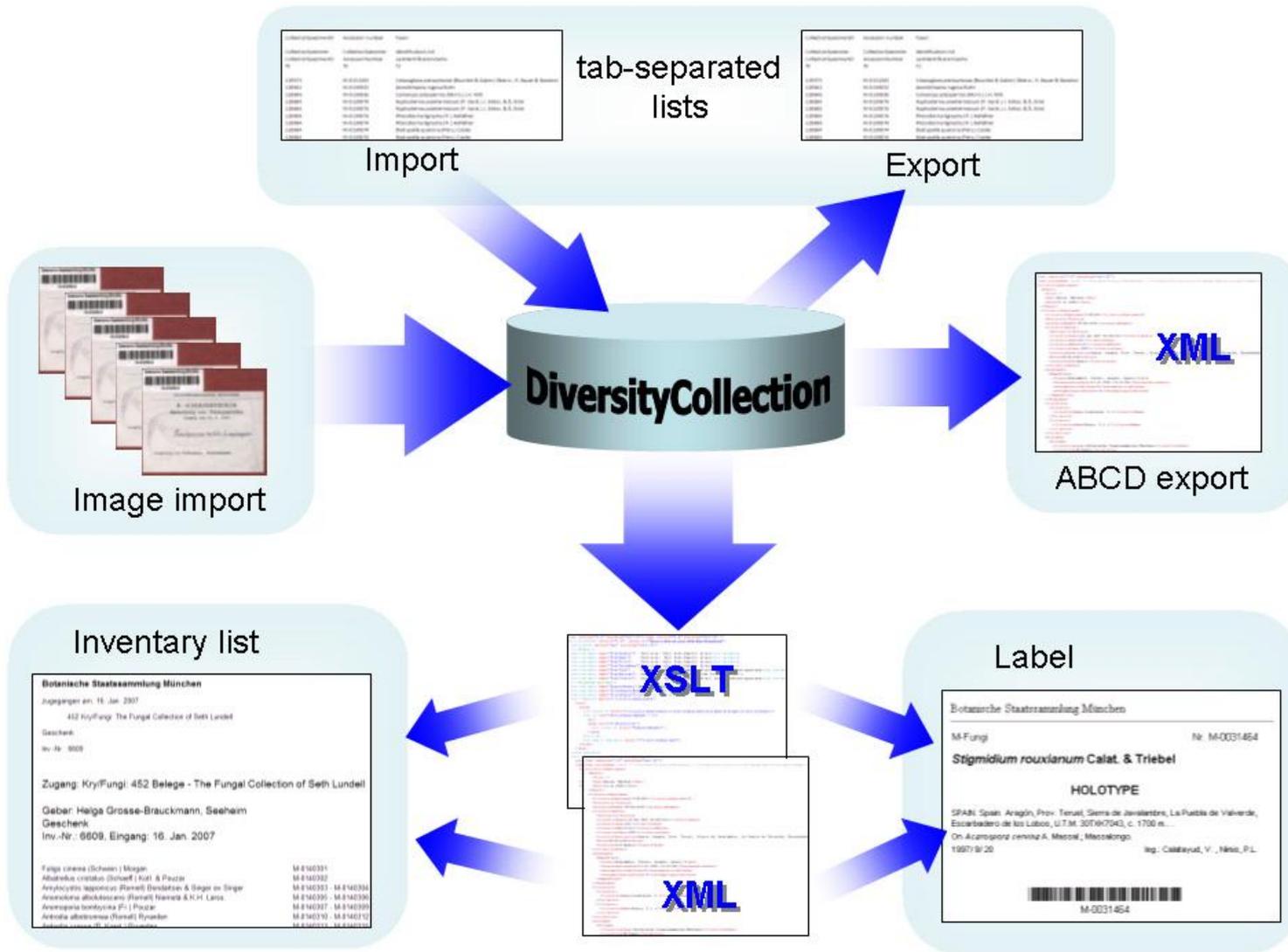
Database details

Full name:	LIAS: A Global Information System for Lichenized and Non-Lichenized Ascomycetes
Short name:	LIAS
Version:	Mar 2011
Release date:	2011-03-09
Authors/editors:	Rambold G. (lead editor); for detailed information see http://liaslight.lias.net/About/Impressum.html and http://liasnames.lias.net/About/Impressum.html
Taxonomic coverage:	Eurotiomycetes - Pyrenulales, Verrucariales, Mycocaliciales Dothideomycetes - genera Arthopyrenia, Eopyrenula, Lichenothelia, Mycoporum, Leptorhaphis, Naetrocymbe, Tomasellia, Peridiothelia, Pseudopyrenula, Cyrtidula, Cystocoleus, Kirschsteinothelia, Mycoglaena, Racodium Leotiomycetes - Thelocarpaceae, Vezdaeaceae Sordariomycetes - genus Sarcopyrenia
English name of the group:	Lichens
Number of species:	6,968
Number of infraspecific taxa:	61
Number of synonyms:	5,510
Number of common names:	1,784
Total number of names:	14,323
Abstract:	LIAS is a multi-authored information system for the collection and distribution of descriptive and other biodiversity data on lichens and selected groups of non-lichenized ascomycetes. LIAS is a long-term designed project with the final goal to comprise global data - estimates for the total number of lichen species worldwide range between 13,500 and 20,000. As GSD for Lichens LIAS is delivering combined data from LIAS light at http://liaslight.lias.net and LIAS names at http://liasnames.lias.net .

Disclaimer: Maps depicting species occurrence data are not to be used for legal purposes.



Import, Export





Mobilgeräte

www.diversityworkbench.net



DiversityCollection v. 3.0.3.8

Connection Grid Query Data Administration Help

Context: General

Acc. Nr. **Ceratotherium simum (Burchell, 1817)** Specimen ID: **178065** Event: **208971** Version: **3 3** Withhold.

Query results 1 - 10

- SAPM-MA-00130
- SAPM-MA-00131
- SAPM-MA-00132
- SAPM-MA-00133
- SAPM-MA-00134
- SAPM-MA-00135
- SAPM-MA-00136**
- SAPM-MA-00137
- SAPM-MA-00138

order by: Acc. Nr.

Query conditions

Projects

Project SAPMmammaliacoll

Collection specimen

Acc.Nr.sp. ~ sapm-ma-0013

ID ~

Depositor ~

Depos.Ac. ~

Orig. notes ~

Collection event

Coll.Date =

Locality ~

Localisation of the collection event

Alt. prese. ~

Place ~

Images of the specimen

1:1 Max. MB: 2.0 http://pictures.snsb.info/SAPM/web/SAPM-MA-0/SAPM-MA-0

1988/10/- Deutschland [Tiergarten]

- SAPM-MA-00136
 - Ceratotherium simum (Burchell, 1817)
 - Ceratotherium simum
 - Age 1: 2 1/2 Jahre
- SAPM-MA-00136
 - Ceratotherium simum 1
 - Ceratotherium simum (Burchell, 1817)

Ceratotherium simum (Burchell, 1817) [female] 211061

Tax. group: mam/mal No. of units: Only obs

Sex: female Life stage: subadult

Identification / name changes

Tax. name: Ceratotherium simum (Burchell, 1817)

Vern.tem: Breitmaulnashorn Quali.:

Det.: Category:

Type notes: Type st.:

Date: Suppl.: Cat.:



Beispiel für eine Aufnahme

eventseries 

Description
Begehung Botanischer Garten

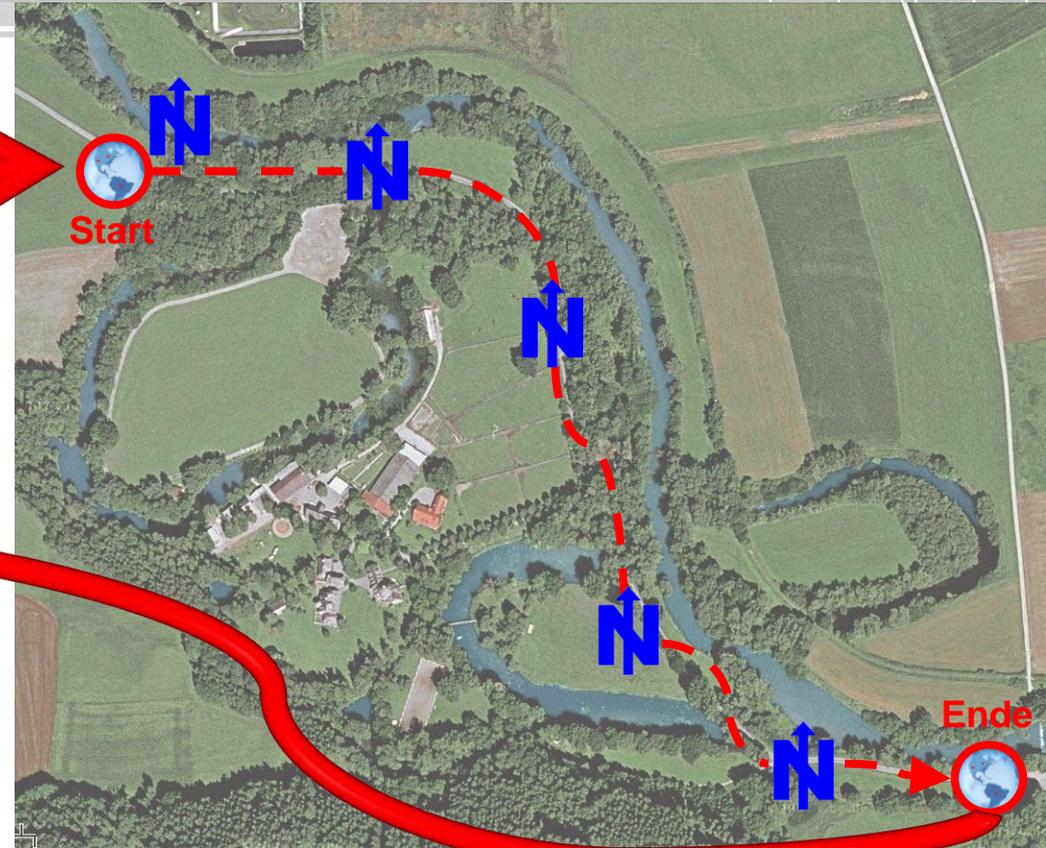
SeriesCode
[Empty field]

Series Start
22.02.2012 15:12

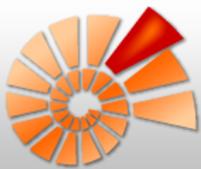
Series End
Finish Series

[Home icon] [Trash icon] [More icon]

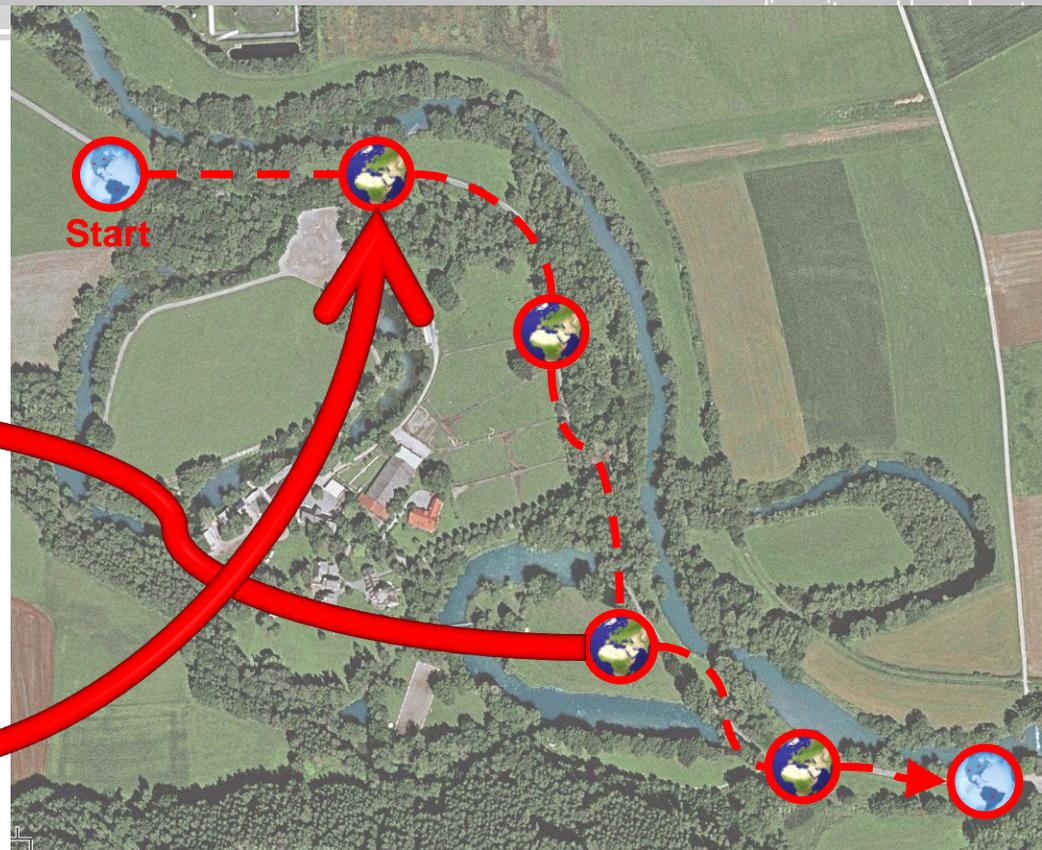
[Back arrow] [Windows logo] [Search icon]



Anlegen (und Beenden)
einer Sammelroute



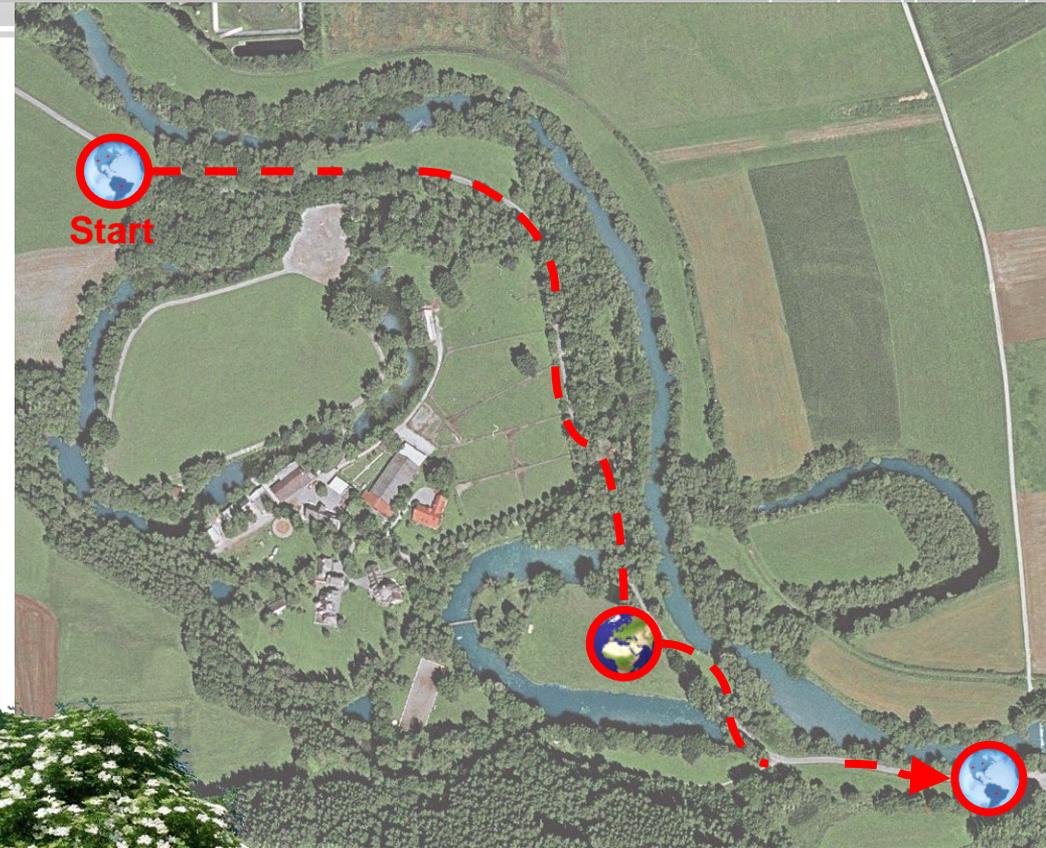
Beispiel für eine Aufnahme



Anlegen eines Sammelpunkts



Beispiel für eine Aufnahme



Anlegen eines Belegs



Beispiel für eine Aufnahme



Anlegen und Bestimmen eines Organismus



Software

www.diversityworkbench.net

Workbench.net

The screenshot displays the Diversity Workbench software interface with several windows open:

- DiversityCollection v.3.0.3.6:** Shows a list of specimens with columns for Accession number, year, country, and locality. A table of specimens is visible at the bottom left.
- DiversityScientificTerms v.3.0.0.0:** Displays a hierarchical tree structure for terms, with 'Induan' selected.
- DiversityAgents v.3.0.0.3:** Shows a list of agents, with 'Hertel, Hannes, Prof. Dr.' selected.
- DiversityTaxonNames v.3.0.1.5:** Shows taxonomic details for *Biatora sylvana* Korb., including taxonomic name, nomenclature, and taxonomic reference.
- Specimen Images:** Displays a photograph of a specimen, identified as *Ceratotherium simum* (Burchell, 1817).

Special pages
Permanent link
Cite this page

Print/export

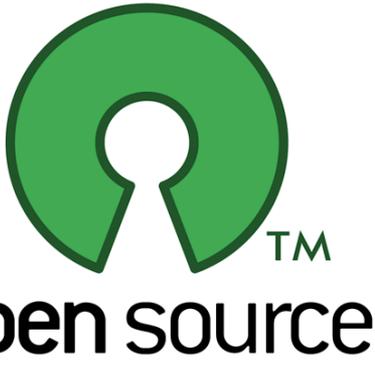
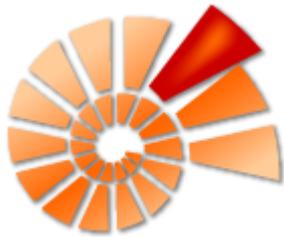
Diversity Workbench – S
 For each component of the Diversity Workbench, we provide detailed documentation to learn about the necessary components and the best approach to use them.
 In an initial phase during the BMBF programme BIOLOG-IT with DeltaAccess/DiversityDescriptions they are by now largely obsolete. This task is now continued as one of the general tasks of the SNSB IT Center. The software is optimized within the joint research project GBIF-D, Kompetenznetzwerk für Biodiversitätsforschung.



Software

Microsoft/Express
<http://www.microsoft.com/germany/express/default.aspx>

STARTSEITE WEB WINDOWS PHONE DATENBANK DOWNLOAD



Microsoft/Express

STARTSEITE WEB WINDOWS PH

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Microsoft SQL Server[®] 2008 Express

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Earth ★★★★★ Bewertungen: 3 Kostenlos	Mathematik ★★★★★ Bewertungen: 2 Kostenlos	Bing Dictionary ★★★★★ Bewertungen: 2 Kostenlos	Gedächtnisrain ★★★★★ Bewertungen: 2 Kostenlos	Gehörlosen ABC ★★★★★ Bewertungen: 3 Kostenlos
Kleine_Knotenki ★★★★★ Bewertungen: 8 Kostenlos	Graph Touch ★★★★★ Bewertungen: 6 Kostenlos	easyTimetable ★★★★★ Bewertungen: 9 Kostenlos	Deutsche Sprichwörter ★★★★★ Bewertungen: 1 Kostenlos	türkischer Grundwortschatz ★★★★★ Bewertungen: 3 Kostenlos



DiversityCollection - Windows Internet Explorer

http://localhost:1775/ABC01TestPage.html

Google

Datei Bearbeiten Ansicht Favoriten Extras ?

Favoriten DiversityCollection

Home RSS Mail Print Seite Sicherheit Extras ?

Diversity Web Editor

Logout EntryIdentification Save Select table

Server: bsm7.snsb.info:5432 Database: DiversityCollection_Test User: TestEditor



SamplingSite

AK	Accuracy	Altitude	Author	Date	Description	Direction	Distance	GeocodeMethod	Latitude	Location	Longitude	Notes
<input type="checkbox"/>	1	40		2/28/2007 12:00:00 AM						40	40	c.

CollectionEvent

AK	CollectingMethod	CollectorsName	CollectorsNumber	Day	HabitatDescription	Month	Notes	PreparationMethod	Year
<input type="checkbox"/>			Huneck, S.	27		5	methode		1996

CollectionSpecimen

AK	AccessionDate	DepAccNumber	Depositor	ExternalID	Number	Project	Status
<input type="checkbox"/>					M-0041201		

Organism

AK	Gender	LifeStage	Number	Relation	RelationTaxon	RelationType	Remarks	TaxonomicGroup	VoucherNumber
<input type="checkbox"/>								fungus	

Fertig

Internet 100%



Workshops, Training

www.diversityworkbench.net



<http://www.snsb.info>

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**Nächster Termin:
27. Juni 2012**

**Ort:
Botanische
Staatssammlung
München,
Menzinger Str. 67**

staatliche
naturwissenschaftliche
sammlungen bayerns