

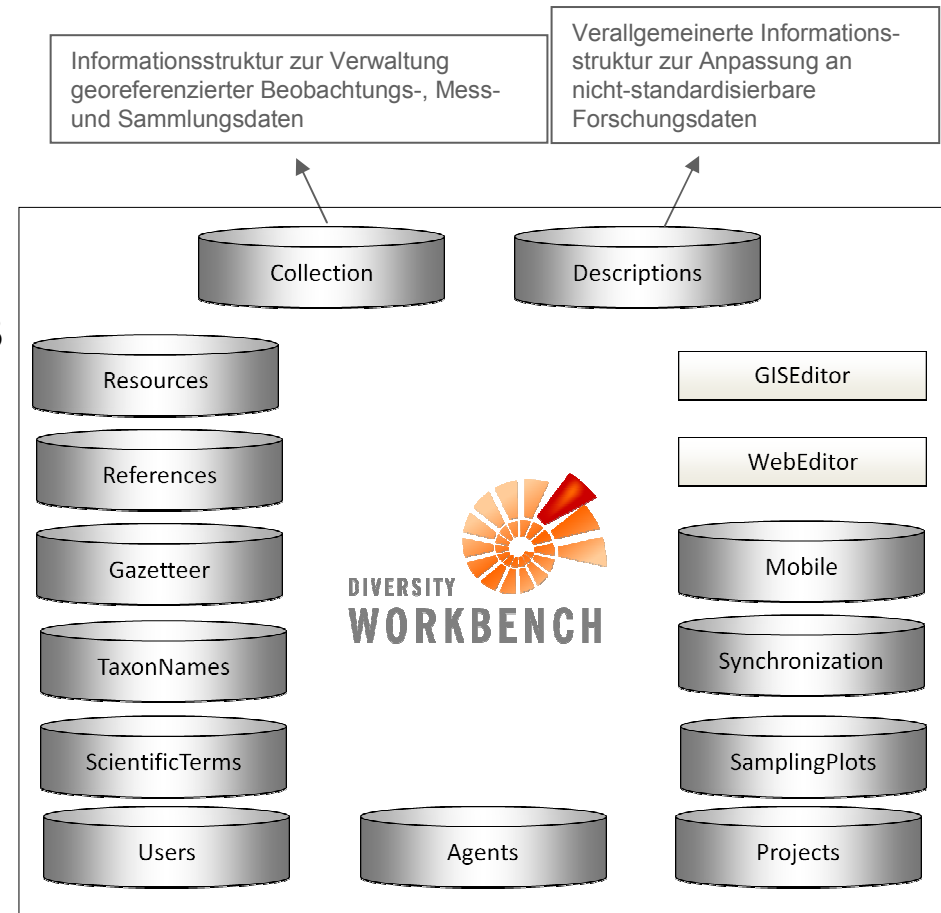
DiversityDescriptions

DD 2.0 – DD 3.0

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DiversityDescriptions als Modul der DWB

- DeltaAccess / DD seit 1995
- seit 1999 eine Komponente der DWB
- Modul zur Beschreibung von Eigenschaften von Organismen, Beobachtungs-/ Messereignissen, allgemein „Untersuchungsobjekten“ oder „Items“ der Diversitätsforschung



Datenmanagement von deskriptiven Daten und Messdaten

DiversityDescriptions DD

- Vorgänger-Version: v. 2.2 (MS Access); Entwickler Dr. G. Hagedorn
- Neue Version v. 3.0 (C# im .Net Framework; SQL Server) ab 2012
- **Letztes Release → Januar 2014**

Beschreibung von **Eigenschaften (properties)**

Organismen, Forschungsobjekte, -ereignisse (items, objects, units),

Ökosysteme, pflanzensoziologische Einheiten usw.

Nukleinsäure- und Aminosäuresequenzen

Messreihen

(Sozioökonomische) Interviewdaten

Datenmanagement von deskriptiven Daten und Messdaten

DiversityDescriptions DD

- Triple Store-Architektur: **description (item) – descriptor (character) – value**
- Deskriptoren betreffen alle Typen von Merkmalen und Eigenschaften
- Generelle Unterscheidung von kategoriale (qualitativen) und quantitativen Merkmalen („Deskriptoren“)
- Merkmalsstruktur ist frei definierbar

DiversityDescriptions – Datenbeispiel LIAS

Phänotypische Daten: Webschnittstelle NaviKey

Submission of pdf files with descriptions of missing taxa is highly appreciated. If your language is not yet supported, you are very welcome to create that translation. Please contact us for obtaining relevant template files.

Identifying lichen species of the World

(Experimental subset of taxa from various regions of the world)

To run the applet, the most recent version of Java™ Runtime Environment needs to be downloaded and installed first. Mac OS X users may load Java for Mac OS X. For usage of the context menu, Java v. 6.0 or above is required. The address of this web site (<http://lias.net>) needs to be included in the list of allowed sites of the web browser's pop-up blocker settings. Detailed instructions are provided further below.

If the LIAS light database has been of some use in your work, please consider to cite it as recommended here. We also would appreciate your feedback.

Identification Options About

Characters available

- genus <taxon>
- family <taxon>
- global occurrence <continent>
- substrate <kind>
- thallus <growth habit>
- thallus <compartmentation>
- [th] upper surface <colour>
- [th upper surface] <pruinosity>

Character states available

Select

Selection criteria

Resulting items

- ']- LIAS light - BSM, München, Germany - License: CC-by-nc-nd 3.0 -]'
- Absconditella amabilis T. Sprib.
- Absconditella antarctica Søchting & Vězda
- Absconditella celata Döbbeler & Poelt
- Absconditella delutula (Nyl.) Coppins & H. Kilius
- Absconditella lignicola Vězda & Pišút
- Absconditella pauxilla Vězda & Vivant
- Absconditella sphagnorum Vězda & Poelt

Remove Selection Remove All

All items: 9422 Resulting items: 9422

An interactive key using

DiversityDescriptions – Datenbeispiel

Nukleinsäure- und Aminosäuresequenzen

e.g., FASTA format

```
>AB000263 |acc=AB000263|descr=Homo sapiens mRNA for prepro cortistatin like peptide, complete cds.|len=368  
ACAAGATGCCATTGTCCCCGGCCTCCTGCTGCTGCTGCTCTCCGGGGCCACGGCCACCGCTGCCCTGCC  
CCTGGAGGGTGGC  
CTCCTGACTTTCT  
AAGCTCGGGAGGT  
CTGCAGGAACTTC  
TTTAATTACAGACC
```

The screenshot displays the DiversityDescriptions software interface. The main window is titled "Test sequence 1" and shows a list of descriptors for the sequence. The descriptors are:

Nr.	Type	!	Descriptor name
1	text	•	gi
2	text	•	accession
3	text	•	description
4	quantitative	•	length
5	categorical	•	5_base
6	categorical	•	6_base
7	categorical	•	7_base
8	categorical	•	8_base
9	categorical	•	9_base
10	categorical	•	10_base
11	categorical	•	11_base
12	categorical	•	12_base
13	categorical	•	13_base
14	categorical	•	14_base
15	categorical	•	15_base
16	categorical	•	16_base
17	categorical	•	17_base
18	categorical	•	18_base
19	categorical	•	19_base
20	categorical	•	20_base
21	categorical	•	21_base
22	categorical	•	22_base
23	categorical	•	23_base
24	categorical	•	24_base

The "Categorical states" table shows the following entries:

x	Nr.	State	Notes
<input checked="" type="checkbox"/>	1	A (adenine)	
<input type="checkbox"/>	2	W (A T (weak bonds))	
<input type="checkbox"/>	3	B (G T C (all but A))	
<input type="checkbox"/>	4	D (G A T (all but C))	
<input type="checkbox"/>	5	H (A C T (all but G))	
<input type="checkbox"/>	6	V (G C A (all but T))	
<input type="checkbox"/>	7	N (A G C T (any))	
<input type="checkbox"/>	8	C (cytosine)	
<input type="checkbox"/>	9	G (guanine)	
<input type="checkbox"/>	10	T (thymine)	
<input type="checkbox"/>	11	R (G A (purine))	
<input type="checkbox"/>	12	Y (T C (pyrimidine))	
<input type="checkbox"/>	13	K (G T (keto))	
<input type="checkbox"/>	14	M (A C (amino))	

The "Status data" table shows the following entries:

x	ID	Status
<input checked="" type="checkbox"/>	!	To be checked
<input type="checkbox"/>	o	Not to be recorded
<input type="checkbox"/>	-	Not applicable
<input type="checkbox"/>	?	Data unavailable
<input type="checkbox"/>	#	Not interpretable
<input type="checkbox"/>	\$	Data withheld
<input type="checkbox"/>	0	Missing data

DiversityDescriptions – Datenbeispiel

(Sozioökonomische) Interviewdaten

- 10: Tomato
- 11: Adenophora triphylla var. japo
- 12: Pimpinella brachycarpa (Kom.)
- 13: Spinach
- 14: Cabbage
- 15: Perilla seed
- 16: Broccoli
- 17: Chinese goose
- 18: Codonopsis lar
- 19: Lettuce
- 20: Sweet pepper
- 21: Red cabbage
- 22: Phaseolus ang
- 23: Pleurospermun
- 24: Aster scaber T
- 25: Leek
- 26: Aster scaber T
- 27: Cirsium sp.
- 28: Allium microdic
- 29: Maize
- 30: Platycodon
- 31: Kalopanax pict
- 32: Bracken
- 33: Aralia elata
- 34: Cucumber
- 35: Rice
- 36: Carrot
- 37: Onion
- 38: head lettuce
- 39: Sesam vegetab
- 40: Shallot
- 41: Chinese cabbag

- 74: Pilose Asiabell
- 75: Madonna Lily ['9288' added to
- 76: Sesam vegetable 2

- 1: Low profit
- 2: Increased number of imported a
- 3: Because of affecting areas caus

DiversityDescriptions, Database: DiversityDescriptions3_0_8_Interview v. 3.0.0.9

Connection Edit Query Data Administration Help

101

Project: B19_WP4_02_int Language: en

DB key: 2707

Suchergebnisse: 1 - 100 von 238

Nr.	Type	Descriptor name
1	category	[SQ1] Interview partner - Living site district [Where d...
2	category	[SQ2] Interview partner - Living location in the same...
3	category	[SQ2-1] Interview partner - Fam areas where famer...
4	category	[SQ2-2] Interview partner - Farmland location admini...
5	quantitative	[A1] Interview partner - Years of faming experience ...
6	category	[A2] Interview partner - Designated distributors or m...
7	category	[A3] Interview partner - Cultivated main crops in 201...
8	category	[A4] interview partner - [obsolete]
9	category	[A4-1] interview partner - Conventional faming - Cult...
10	category	[A4-2] Interview partner - Conventional faming - Cult...
11	category	[A4-3] Interview partner - Conventional faming - Cult...
12	category	[A4-4] interview partner - Conventional faming - Cult...
13	category	[A4-5] Interview partner - Conventional faming - Cult...
14	quantitative	Cultivated area 1 - Rice paddy - [obsolete]
15	quantitative	Cultivated area 1 - Annual crops - [obsolete]
16	quantitative	Cultivated area 1 - Perennial crops - [obsolete]
17	quantitative	Cultivated area 1 - Vinyl greenhouse crops - [obsolete]
18	quantitative	Cultivated area 1 - Others - [obsolete]
19	category	Faming techniques - Rice paddy 1 - [obsolete]
20	category	Faming techniques - Annual crops 1 - [obsolete]
21	category	Faming techniques - Perennial crops 1 - [obsolete]
22	category	Faming techniques - Vinyl greenhouse crops 1 - [ob...
23	category	Faming techniques - Others 1 - [obsolete]
24	category	[A4-6] interview partner - Environmental friendly fam...

ordnen nach: Description

Suchkriterien

Description

Title ~

Project = Project: B1

Descriptor

Categori. =

Quantitati. =

Text =

Data status =

Scope

Taxon =

Geography =

Specimen =

Observati. =

Reference =

Categorical states

x	Nr.	State	Notes
<input type="checkbox"/>	1	Rice paddy	
<input checked="" type="checkbox"/>	2	Annual crops	
<input type="checkbox"/>	3	Perennial crops	
<input type="checkbox"/>	4	Vinyl greenhouse crops	
<input type="checkbox"/>	5	Others	

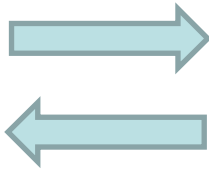
Status data

x	ID	Status
<input checked="" type="checkbox"/>	!	To be checked
<input type="checkbox"/>	o	Not to be recorded
<input type="checkbox"/>	-	Not applicable
<input type="checkbox"/>	?	Data unavailable
<input type="checkbox"/>	#	Not interpretable
<input type="checkbox"/>	\$	Data withheld
<input type="checkbox"/>	0	Missing data

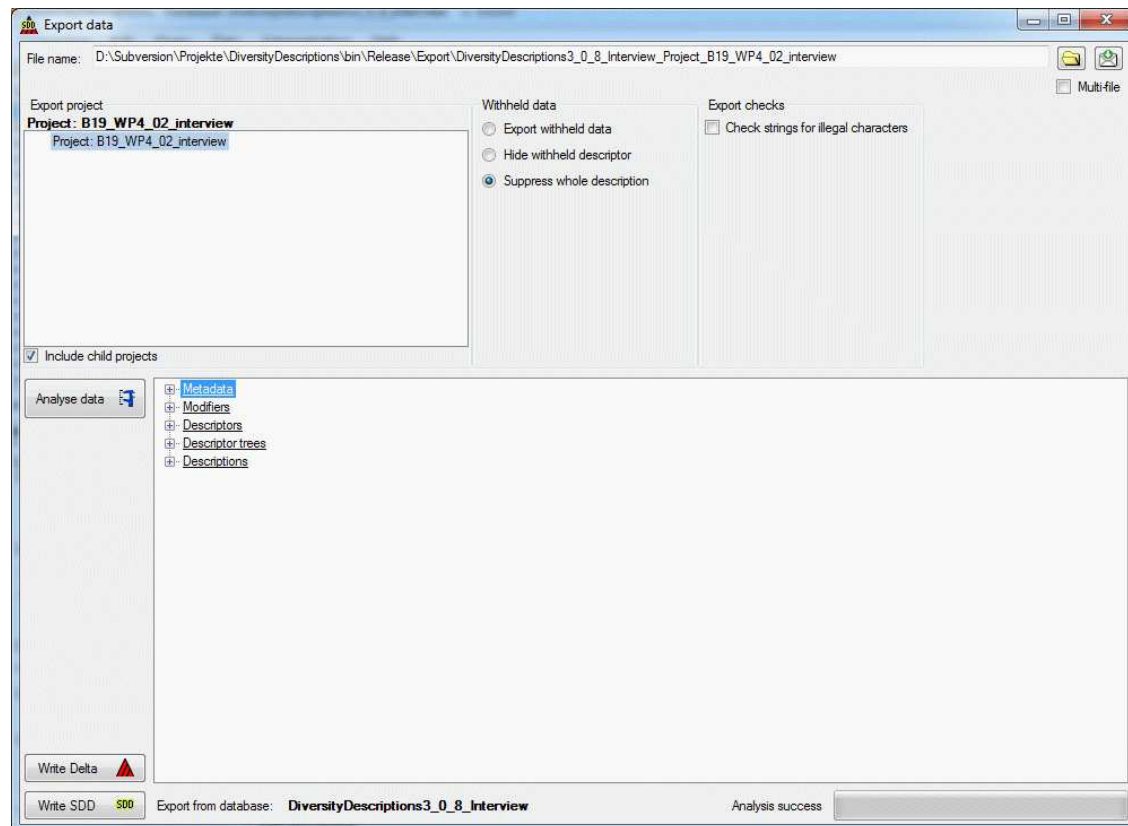
DiversityDescriptions – Import, Export

- Datenaustauschformate

DELTA
und
SDD



Biodiversity
Information
Standards
TDWG



DiversityDescriptions V. 3

- Software-Demonstration: A. Link

