

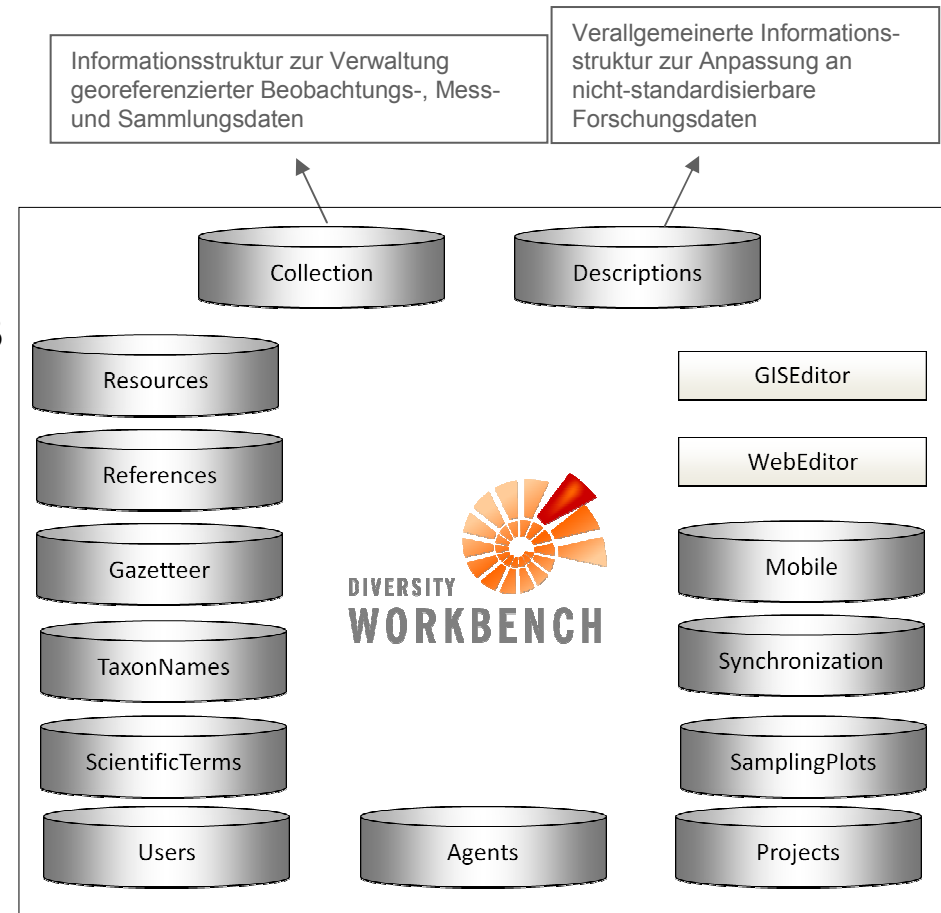
DiversityDescriptions

DD 2.0 – DD 3.0

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DiversityDescription als Modul der DWB

- DeltaAccess / DD seit 1995
- seit 1999 eine Komponente der DWB
- Eigenschaften von Organismen und anderen Objekten bzw. Items der Diversitätsforschung



Datenmanagement von deskriptiven Daten und Messdaten

DiversityDescriptions DD

- Aktuelle Version: v. 2.2 (MS Access Prototyp); Entwickler Dr. G. Hagedorn
- Neue Version v. 3.0 (.Net; SQL Server) ca. Juli 2013
- Eigenschaften/ Merkmale/
 - Standorte, Ökosysteme, pflanzensoziologische Einheiten etc.
 - Nukleinsäure- und Aminosäuresequenzen
 - Messreihen
 - (Sozioökonomische) Interviewdaten
 - Phänotypische Daten (Morphologie, Chemie): „Trait-Datenbank“

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  
ACAAGATGCCATTGTCCCCCGGCCTCCTGCTGCTGCTGCTCTCCGGGGCCACGGCCACCGCTGCCCTGCC
```

```
CCTGGAGC  
CTCCTGAC  
AAGCTCGG  
CTGCAGGA  
TTTAATTAC
```

| CID | Type | CharName | Modifier | Character state code & name: | Notes | TXT |
|-----|------|--------------------------|-------------------------------------|------------------------------|-------|-----|
| 1 | TE | gi | <input type="checkbox"/> | (1) A (adenine) | | |
| 2 | TE | accession | <input checked="" type="checkbox"/> | (2) C (cytosine) | | |
| 3 | TE | description | <input type="checkbox"/> | (3) G (guanine) | | |
| 4 | IN | length | <input type="checkbox"/> | (4) T (thymine) | | |
| 5 | UM | 5_base | <input type="checkbox"/> | (5) R (G A (purine)) | | |
| 6 | IN | position orig. value | <input type="checkbox"/> | (6) Y (T C (pyrimidine)) | | |
| 7 | UM | qualifier value | <input type="checkbox"/> | (7) K (G T (keto)) | | |
| 8 | IN | position project_1 value | <input type="checkbox"/> | (8) M (A C (amino)) | | |
| 9 | IN | position project_2 value | <input type="checkbox"/> | (9) S (G C (strong bonds)) | | |
| 10 | IN | position project_3 value | <input type="checkbox"/> | (10) W (A T (weak bonds)) | | |
| | | | <input type="checkbox"/> | (11) B (G T C (all but A)) | | |
| | | | <input type="checkbox"/> | (12) D (G A T (all but C)) | | |
| | | | <input type="checkbox"/> | (13) H (A C T (all but G)) | | |
| | | | <input type="checkbox"/> | (14) V (G C A (all but T)) | | |
| | | | <input type="checkbox"/> | (15) N (A G C T (any)) | | |
| | | | <input type="checkbox"/> | (U) unknown | | |
| | | | <input type="checkbox"/> | (V) variable | | |
| | | | <input type="checkbox"/> | (-) not applicable | | |

DiversityDescriptions – Datenbeispiel

(Sozioökonomische) Interviewdaten

- 10: Tomato
- 11: Adenophora triphylla var. japo
- 12: Pimpinella brachycarpa (Kom.)
- 13: Spina
- 14: Cabb
- 15: Perilla
- 16: Brocc
- 17: Chine
- 18: Codon
- 19: Lettuc
- 20: Swee
- 21: Red c
- 22: Phasi
- 23: Pleur
- 24: Aster
- 25: Leek
- 26: Aster
- 27: Cirsiu
- 28: Allium
- 29: Maize
- 30: Platy
- 31: Kalop
- 32: Brack
- 33: Aralia
- 34: Cucur
- 35: Rice
- 36: Carro
- 37: Onion
- 38: head
- 39: Sesar
- 40: Shall
- 41: Chine
- 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

B19_WP402_Saem_Lee: Item editor

1. Main attributes 2. By character view 3. Continuous view 4. Resource links

IID: 1 ItemName: 101

Check item + + Preset data State Order

| CID | Type | CharName | Modifier | Character state code & name: | Notes | TXT |
|-----|------|---|----------|------------------------------|-------|-----|
| 1 | UM | [SQ1] Interview partner - Living site distric | | (1) Rice paddy | | |
| 2 | UM | [SQ2] Interview partner - Living location in | | (2) Annual crops | | |
| 3 | UM | [SQ2-1] Interview partner - Farm areas w | | (3) Perennial crops | | |
| 4 | UM | [SQ2-2] Interview partner - Farmland loca | | (4) Vinyl greenhouse crops | | |
| 5 | IN | [A1] Interview partner - Years of farming | | (5) Others | | |
| 6 | UM | [A2] Interview partner - Designated distri | | (U) unknown | | |
| 7 | UM | [A3] Interview partner - Cultivated main c | | (V) variable | | |
| 8 | UM | [A4] Interview partner - [obsolete] | | (-) not applicable | | |
| 9 | UM | [A4-1] Interview partner - Conventional f | | | | |
| 10 | UM | [A4-2] Interview partner - Conventional f | | | | |
| 11 | UM | [A4-3] Interview partner - Conventional f | | | | |
| 12 | UM | [A4-4] Interview partner - Conventional f | | | | |
| 13 | UM | [A4-5] Interview partner - Conventional f | | | | |
| 14 | RN | Cultivated area 1 - Rice paddy - [obsolete] | | | | |
| 15 | RN | Cultivated area 1 - Annual crops - [obsole | | | | |
| 16 | RN | Cultivated area 1 - Perennial crops - [obsc | | | | |
| 17 | RN | Cultivated area 1 - Vinyl greenhouse crops | | | | |
| 18 | RN | Cultivated area 1 - Others - [obsolete] | | | | |
| 19 | UM | Farming techniques - Rice paddy 1 - [obso | | | | |
| 20 | UM | Farming techniques - Annual crops 1 - [ob | | | | |
| 21 | UM | Farming techniques - Perennial crops 1 - [| | | | |
| 22 | UM | Farming techniques - Vinyl greenhouse crc | | | | |
| 23 | UM | Farming techniques - Others 1 - [obsolete] | | | | |
| 24 | UM | [A4-6] Interview partner - Environmental | | | | |
| 25 | UM | [A4-7] Interview partner - Environmental | | | | |
| 26 | UM | [A4-8] Interview partner - Environmental | | | | |
| 27 | UM | [A4-9] Interview partner - Environmental | | | | |
| 28 | UM | [A4-10] Interview partner - Environmenta | | | | |
| 29 | RN | Cultivated area 2 - Rice paddy - [obsolete] | | | | |
| 30 | RN | Cultivated area 2 - Annual crops - [obsole | | | | |
| 31 | RN | Cultivated area 2 - Perennial crops - [obsc | | | | |
| 32 | RN | Cultivated area 2 - Vinyl greenhouse crops | | | | |

Datensatz: 1 von 238

DiversityDescriptions – Datenbeispiel LIAS

Phänotypische Daten: Webschnittstelle NaviKey

The screenshot shows the LIAS light web interface. At the top, there are flags for various countries and the LIAS light logo. Below the flags, there is a red text box with a submission notice. The main heading is "Identifying lichen species of the World" with a sub-heading "(Experimental subset of taxa from various regions of the world)". A paragraph of instructions follows, mentioning Java requirements and citation information. The main interface is a Java applet with three tabs: "Identification", "Options", and "About". The "Identification" tab is active, showing a list of "Characters available" with radio buttons for "genus <taxon>", "family <taxon>", "global occurrence <continent>", "substrate <kind>", "thallus <growth habit>", "thallus <compartmentation>", "[th] upper surface <colour>", and "[th] upper surface] <pruinosity>". The "Character states available" section is empty. Below this is a "Selection criteria" section, also empty. The "Resulting items" section lists several species names, including "Absconditella amabilis T. Sprib.", "Absconditella antarctica Sæchting & Vězda", "Absconditella celata Döbbeler & Poelt", "Absconditella delutula (Nyl.) Coppins & H. Kiliias", "Absconditella lignicola Vězda & Pišút", "Absconditella pauxilla Vězda & Vivant", and "Absconditella sphagnorum Vězda & Poelt". At the bottom of the applet, there are buttons for "Remove Selection" and "Remove All", and a status bar showing "All items: 9422" and "Resulting items: 9422".

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 Sæchting & Vězda
- Absconditella celata Döbbeler & Poelt
- Absconditella delutula (Nyl.) Coppins & H. Kiliias
- Absconditella lignicola Vězda & Pišút
- Absconditella pauxilla Vězda & Vivant
- Absconditella sphagnorum Vězda & Poelt

Remove Selection Remove All

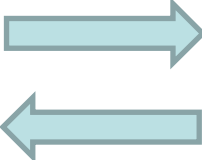
All items: 9422 Resulting items: 9422

An interactive key using

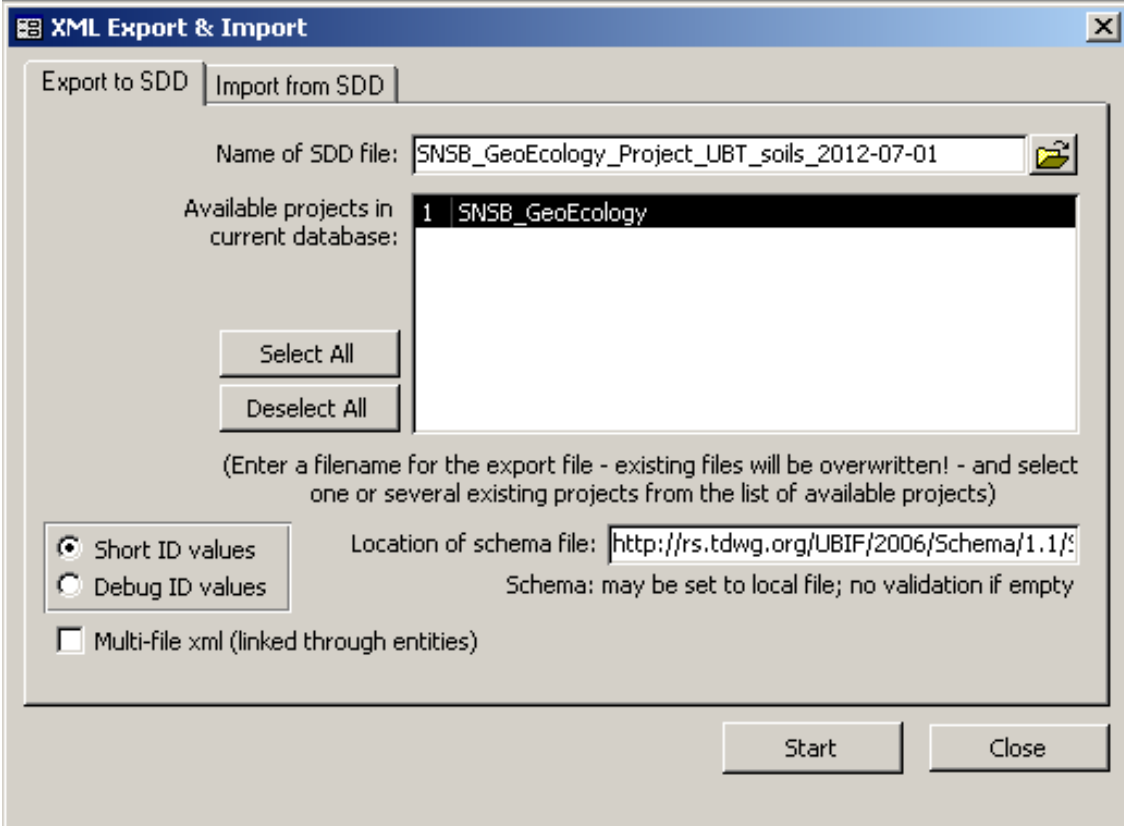
DiversityDescriptions – Import, Export

- Datenaustauschformate

DELTA
und
SDD



Biodiversity
Information
Standards
T D W G



XML Export & Import

Export to SDD | Import from SDD

Name of SDD file: SNSB_GeoEcology_Project_UBT_soils_2012-07-01

Available projects in current database:

| | |
|---|-----------------|
| 1 | SNSB_GeoEcology |
|---|-----------------|

Select All

Deselect All

(Enter a filename for the export file - existing files will be overwritten! - and select one or several existing projects from the list of available projects)

Short ID values Location of schema file: <http://rs.tdwg.org/UBIF/2006/Schema/1.1/>

Debug ID values Schema: may be set to local file; no validation if empty

Multi-file xml (linked through entities)

Start Close

DiversityDescriptions V. 3

- Software-Demonstration: A. Link

