

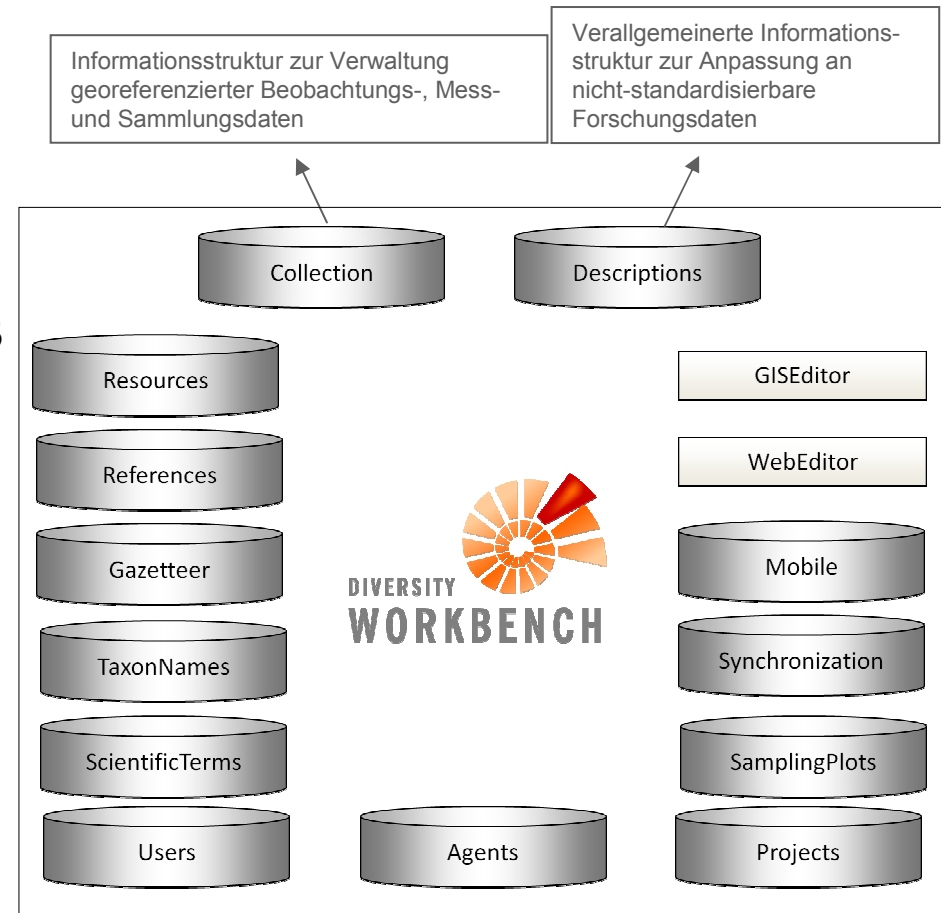
DiversityDescriptions

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 und anderen Objekten bzw. Items der Diversitätsforschung



Datenmanagement von deskriptiven Daten und Messdaten

DiversityDescriptions DD

- Vorgänger-Version: v. 2.2 (MS Access Prototyp); Entwickler Dr. G. Hagedorn
- Neue Version v. 3.0 (C# im .Net Framework; SQL Server)
- **Erstes Release → September 2013**

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 (**item – descriptor – 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

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 notice: '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.' The main heading is 'Identifying lichen species of the World' with a sub-note '(Experimental subset of taxa from various regions of the world)'. A paragraph of instructions follows, mentioning Java requirements and providing a URL (http://lias.net). Below the text is a Java applet window titled 'Identification' with tabs for 'Options' and 'About'. The applet is divided into several sections: 'Characters available' with a list of criteria (genus, family, global occurrence, substrate, thallus, etc.), 'Character states available' (currently empty), 'Selection criteria' (empty), and 'Resulting items' (listing species like Absconditella amabilis, Absconditella antarctica, etc.). At the bottom of the applet, it shows 'All items: 9422' and 'Resulting items: 9422'. A small logo at the bottom center reads 'An interactive key using NAVIKEY'.

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

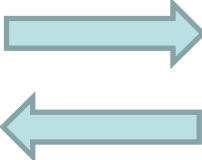
| CID | Type | CharName | Modifier | Character state code & name: | Notes | TXT |
|-----|------|---|----------|------------------------------|-------|-----|
| 1 | UM | [SQ1] Interview partner - Living site distric | | (1) Rice paddy | | |
| 2 | UM | [SQ2] Interview partner - Living location in | | (2) 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

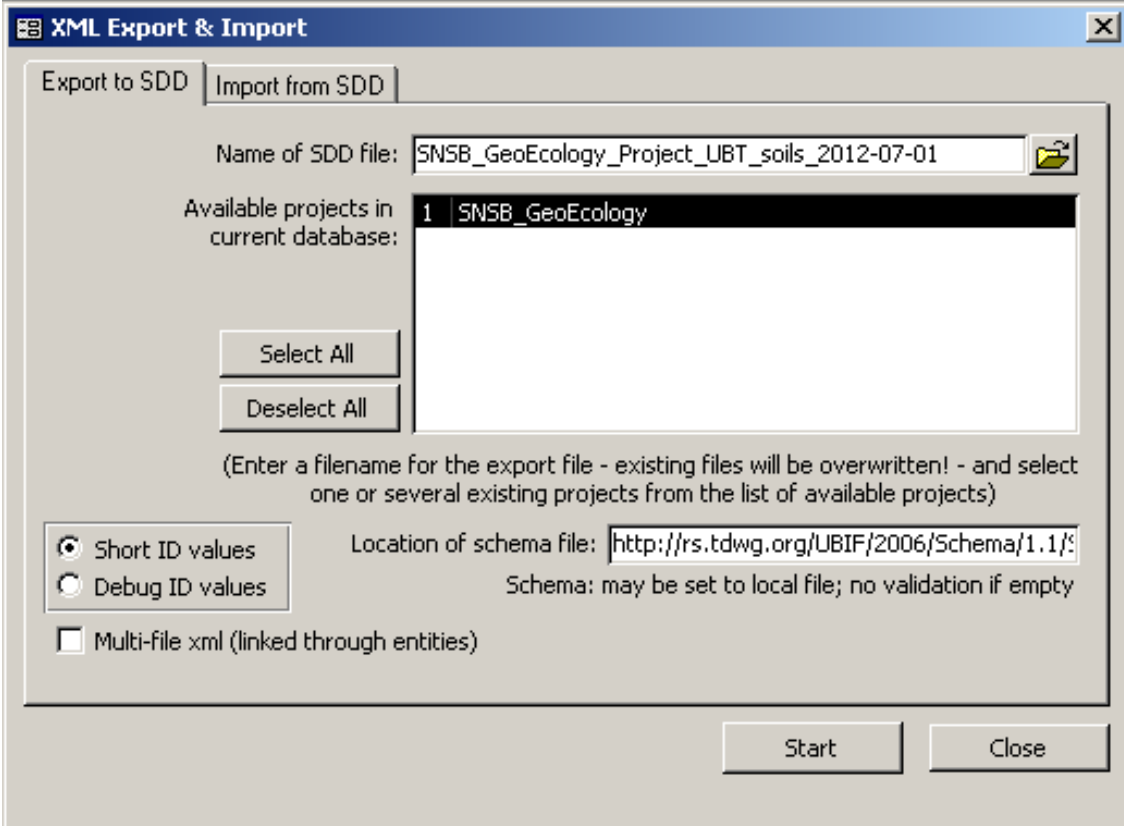
DiversityDescriptions – Import, Export

- 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

