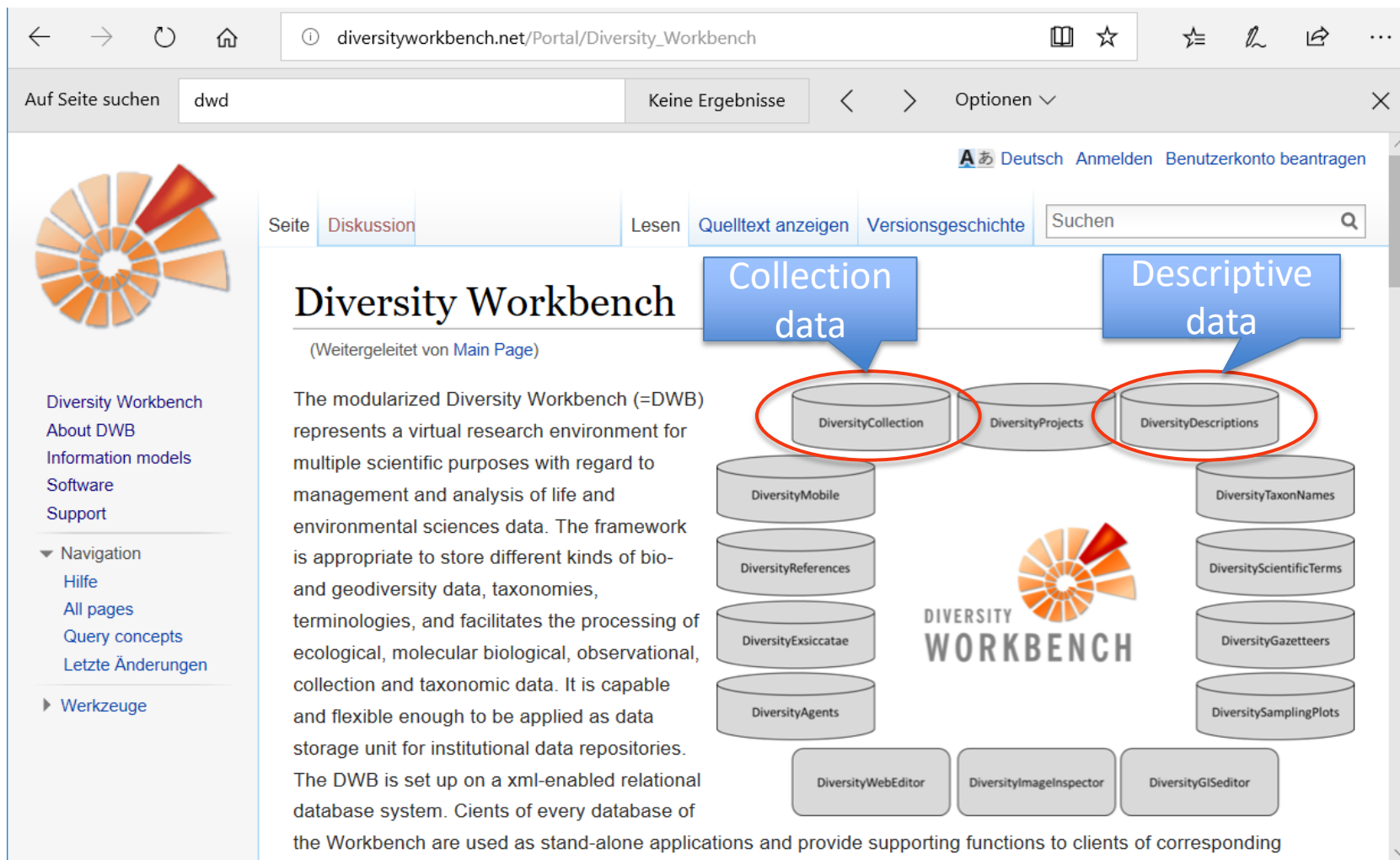


Introduction to *DiversityDescriptions*

Anton Link



The screenshot shows the Diversity Workbench website interface. The main content area features a diagram of the database architecture. At the top, two blue callout boxes labeled "Collection data" and "Descriptive data" point to the "DiversityCollection" and "DiversityDescriptions" databases, respectively, which are circled in red. The central part of the diagram shows a hub of "DiversityProjects" connected to various data sources: "DiversityMobile", "DiversityReferences", "DiversityExsiccatae", "DiversityAgents", "DiversityTaxonNames", "DiversityScientificTerms", "DiversityGazetteers", and "DiversitySamplingPlots". At the bottom, three application boxes are shown: "DiversityWebEditor", "DiversityImageInspector", and "DiversityGISeditor". The text on the page describes the modularized Diversity Workbench as a virtual research environment for managing and analyzing life and environmental sciences data.

Diversity Workbench
(Weitergeleitet von [Main Page](#))

The modularized Diversity Workbench (=DWB) represents a virtual research environment for multiple scientific purposes with regard to management and analysis of life and environmental sciences data. The framework is appropriate to store different kinds of bio- and geodiversity data, taxonomies, terminologies, and facilitates the processing of ecological, molecular biological, observational, collection and taxonomic data. It is capable and flexible enough to be applied as data storage unit for institutional data repositories. The DWB is set up on a xml-enabled relational database system. Clients of every database of the Workbench are used as stand-alone applications and provide supporting functions to clients of corresponding

Typical data: (Taxonomic) descriptions

Unbenannt 1 - OpenOffice Calc

regional occurrence (selected projects) <country>

	B	J	K	L	M	O	Q	R	S	T	U	V
1		o genus <taxon>	o family <taxon>	order <taxon>	taxonomic notes <text>	· global occurrence <continent>	• substrate <kind>	· life habit <kind>	• thallus <growth habit>	· thallus <compartimen tation>	· [th] upper surface <colour>	· [th up surface <princ
5	Absconditella amabilis T. Sprib.	Absconditella	Stictidaceae Fr. (1849)	Ostropales	amyloid hymenia and ascus walls.	North America (incl Mexico)	[05] – wood – dead, living	(mutualistic with algal photobionts)	↳ inconspicuous, immersed		green(ish)	epruinc
6	annexa (Arnold) Vězda	Absconditella	Stictidaceae Fr. (1849)	Ostropales		[02] – Eurasia – Europe	– mosses, liverworts	↳ with algal photobionts				
7	antarctica Sechting & Vězda	Absconditella	Stictidaceae Fr. (1849)	Ostropales	ascospores and growth on peaty soil.	Islands, Subantarctic Islands	turf, detritus, dead leaves	↳ with algal photobionts	–	[01] – continuous, diffuse, effuse	black(ish) green	epruinc
8	Absconditella celata Döbbs & Poelt	Absconditella	Stictidaceae Fr. (1849)	Ostropales		North America (incl Mexico)	[05] – wood – dead, living	↳ with algal photobionts	–	episubstratal – unspecified	green(ish), grey(ish) green	epruinc
9	delutula (Nyl.) Coppins & Kihias	Absconditella	Stictidaceae Fr. (1849)	Ostropales	differ in apothecia size and ecology.	[02] – Eurasia – Europe, [01] – Arctic	stones, pebbles – unspecified	↳ with algal photobionts	–	fissured, fractured, rimose	(olivaceous, olive green)	epruinc
10	duplicella (Nyl.) Rossman	Absconditella	Stictidaceae Fr. (1849)	Ostropales			bryophytes – mosses, liverworts					
11	Absconditella fossarum Vězda & Pišút	Absconditella	Stictidaceae Fr. (1849)	Ostropales			clay, humus, turf, detritus, dead leaves					
12	Absconditella lignicola Vězda & Pišút	Absconditella	Stictidaceae Fr. (1849)	Ostropales		South and Central America	– trunks, branches, twigs	(mutualistic with algal photobionts)	↳ lepranoid, powdery, byssoid	granular, granulose, granulate	green(ish)	epruinc
13	Absconditella pauxilla Vězda & Vivant	Absconditella	Stictidaceae Fr. (1849)	Ostropales		[02] – Eurasia – Europe	liverworts, [05] – wood – dead, living	↳ with algal photobionts	–	episubstratal – unspecified	green(ish), grey(ish) green	epruinc
14	Absconditella sphagnorum Vězda & Poelt	Absconditella	Stictidaceae Fr. (1849)	Ostropales	and 3–4 septate ascospores.	North America (incl Mexico)	liverworts, [05] – wood – dead, living	↳ with algal photobionts	–	episubstratal – unspecified	black, grey(ish) green	epruinc

Tabelle 1 / 3 Standard STD * Summe=0 100 %

Typical data: Ecological data

CSP_soil_profile_description_ll_soil_horizons_rr.csv - OpenOffice Calc

Datei Bearbeiten Ansicht Einfügen Format Extras Daten Fenster Hilfe

Arial 10

A1 = CSP

	A	B	C	D	E	F	G	H	I	J
1	CSP	no	horizon_depth29	horizon_distinctness30	soil_horizon31	soil_col32	org_matter33	ped_soil_moist36	ped_con37	ped_other38
2	CSP01	1	-4	e	Ah	10 YR 4/3	h4	19,4	ko2	
3	CSP01	2	-12	f	Bv+Ah	10 YR 5/3	h3	20,2	ko2	
4	CSP01	3	-35	e	Ah+Bv	10 YR 6/6, 10 YR4/4	h2	24,9	ko3	Vw
5	CSP01	4	-53	e	Bv	10 YR6/6	h0	22,6	ko3	
6	CSP01	5	-83	e	II ilCv	7,5 YrR6/6	h0	23,6	ko2	
7	CSP01	6	-105	e	III ilCv	10 YR6/6	h0	24,5	ko3	
8	CSP01	7	-130+	e	IV iCj	10 YR6/6	h0		ko3	
9	CSP01	8								
10	CSP02	1	-11		Ah	10 YR3/3	h4	feu2-3	ko2-3	
11	CSP02	2	-36	w,di	Bhv(Bv+Ah)	10 YR4/4	h3	feu2-3	ko2-3	Humus flecker
12	CSP02	3	-56	w,di	Bv	10 YR5/6	h0	feu2-3	ko2-3	
13	CSP02	4	-70	w,di	Bv-Cv1	10 YR5/6	h0	feu2-3	ko2-3	
14	CSP02	5	-78	w,di	Bv-Cv2	10 YR4/6	h0	feu2-3	ko2-3	
15	CSP02	6	-100+	w,di	II imCv	10 YR5/6	h0	feu2-3	ko2-3	
16	CSP02	7								
17	CSP02	8								
18	CSP03	1	-6	e,de	Ah	7,5YR 3/3	h5		VFR	Vw
19	CSP03	2	-25	e,di	Bv+Ah	7,5YR 5/6	h3		FR	Vw
20	CSP03	3	-38	e,di	II Bv	7,5YR 6/8	h2		FI	Vw
21	CSP03	4	-100+		III ilCv	5YR 5/8	h0		FI	M, Vw
22	CSP03	5								
23	CSP03	6								
24	CSP03	7								
25	CSP03	8								
26	CSP04	1	-5	e, g	Ah	10 YR 5/4	h4	21,2	ko4	
27	CSP04	2	-40	e, g	M	10 YR 5/6	h2	28,3	ko4	
28	CSP04	3	-60	e, g	II fBhv	10 YR 4/4	h3	28,3	ko4	
29	CSP04	4	-80	e, g	II ilCv1	7,5 YR 6/8	h0	28,3	ko4	
30	CSP04	5	-110+	e, g	II ilCv2	7,5 YR 6/8	h0	25,7	ko4-5	

Tabelle1

Tabelle 1 / 1 Standard STD Summe=0 100 %

Typical data: Surveys

Survey.xls - OpenOffice Calc

File Edit View Insert Format Extras Data Window Help

Calibri 11 F K U

D9 Farming methods using less synthetic fertilizers and pesticides | Farming methods using biological pest control | Farming methods using organic fertilizers | Others

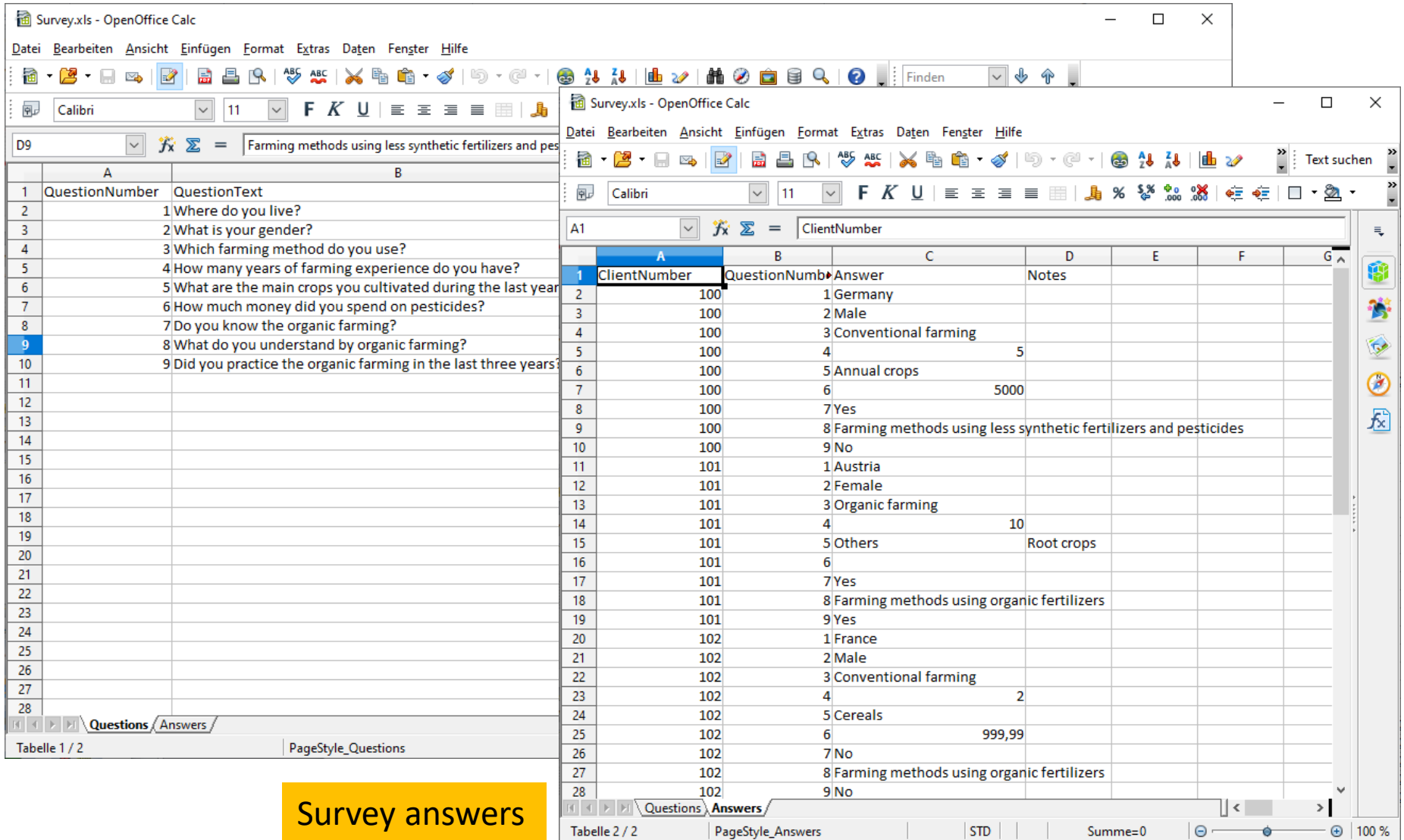
	A	B	C	D	E
1	QuestionNumber	QuestionText	Type	Values	Unit
2		1 Where do you live?	Text		
3		2 What is your gender?	Text	Male Female	
4		3 Which farming method do you use?	Text	Conventional farming Conventional farming and organic farming	
5		4 How many years of farming experience do you have?	Integer		year
6		5 What are the main crops you cultivated during the last year?	Text	Annual crops Perennial crops Others	
7		6 How much money did you spend on pesticides?	Real		€
8		7 Do you know the organic farming?	Bool		
9		8 What do you understand by organic farming?	Text	Farming methods using less synthetic fertilizers and pesticides	
10		9 Did you practice the organic farming in the last three years?	Bool		
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					

Questions Answers

Tabelle 1 / 2 PageStyle_Questions STD Summe=0 100 %

Survey questions

Typical data: Surveys



The image shows two overlapping OpenOffice Calc windows. The left window displays a list of survey questions, and the right window displays the corresponding answers.

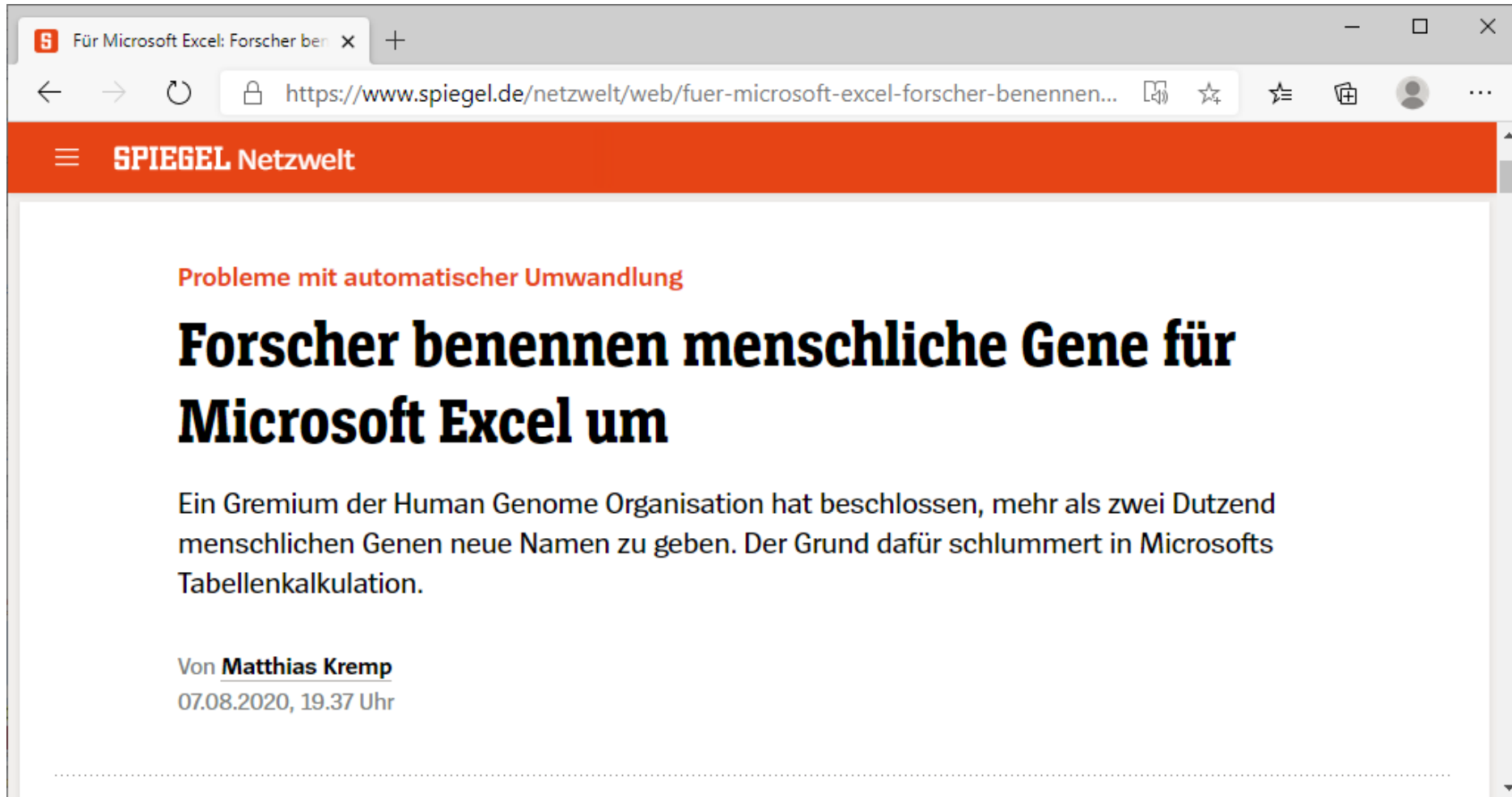
Survey Questions (Left Window):

QuestionNumber	QuestionText
1	Where do you live?
2	What is your gender?
3	Which farming method do you use?
4	How many years of farming experience do you have?
5	What are the main crops you cultivated during the last year?
6	How much money did you spend on pesticides?
7	Do you know the organic farming?
8	What do you understand by organic farming?
9	Did you practice the organic farming in the last three years?

Survey Answers (Right Window):

ClientNumber	QuestionNumber	Answer	Notes
100	1	Germany	
100	2	Male	
100	3	Conventional farming	
100	4		5
100	5	Annual crops	
100	6	5000	
100	7	Yes	
100	8	Farming methods using less synthetic fertilizers and pesticides	
100	9	No	
101	1	Austria	
101	2	Female	
101	3	Organic farming	
101	4		10
101	5	Others	Root crops
101	6		
101	7	Yes	
101	8	Farming methods using organic fertilizers	
101	9	Yes	
102	1	France	
102	2	Male	
102	3	Conventional farming	
102	4		2
102	5	Cereals	
102	6	999,99	
102	7	No	
102	8	Farming methods using organic fertilizers	
102	9	No	

Survey answers



Für Microsoft Excel: Forscher benennen...

https://www.spiegel.de/netzwelt/web/fuer-microsoft-excel-forscher-benennen...

SPIEGEL Netzwelt

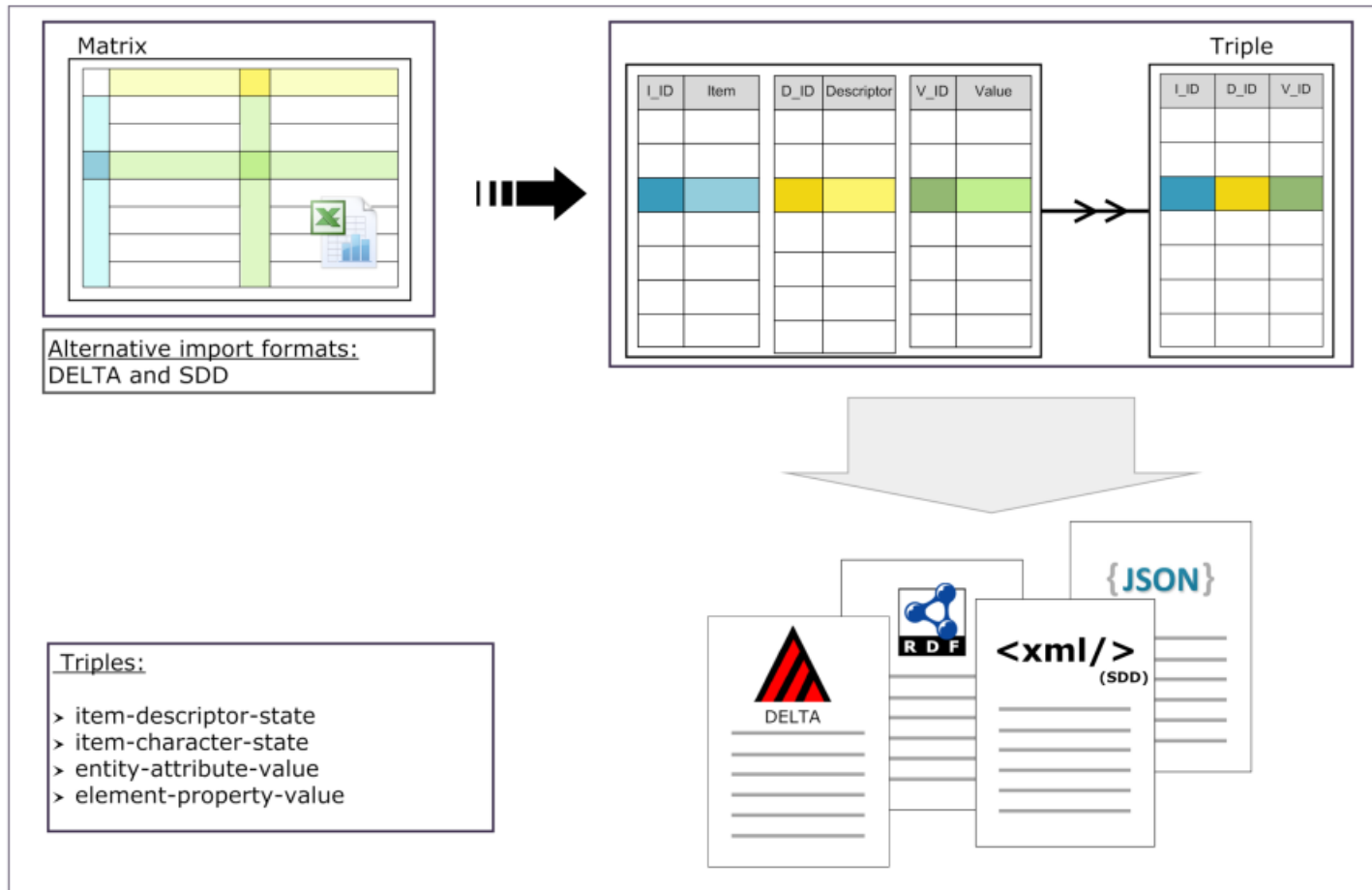
Probleme mit automatischer Umwandlung

Forscher benennen menschliche Gene für Microsoft Excel um

Ein Gremium der Human Genome Organisation hat beschlossen, mehr als zwei Dutzend menschlichen Genen neue Namen zu geben. Der Grund dafür schlummert in Microsofts Tabellenkalkulation.

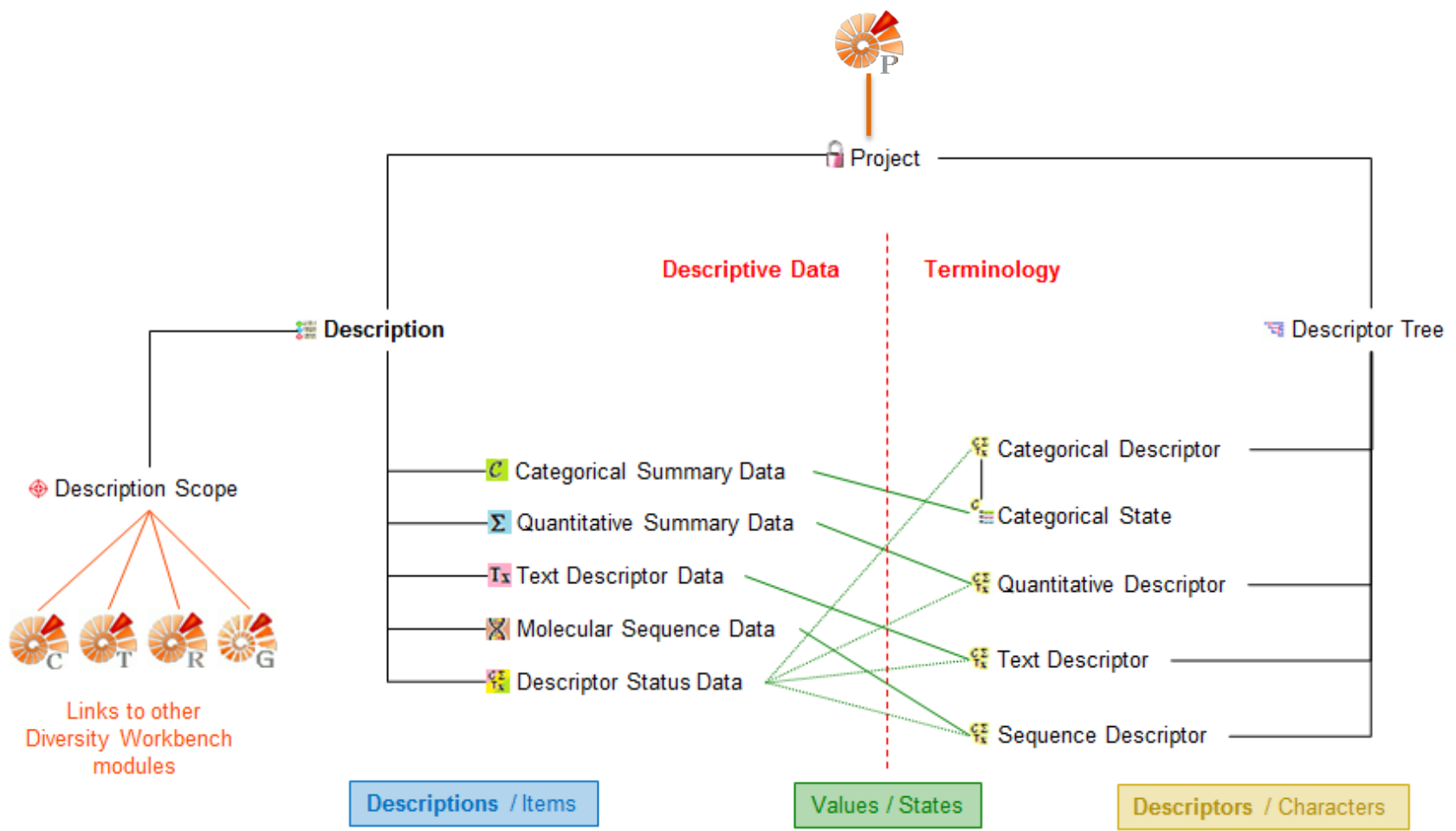
Von **Matthias Kremp**
07.08.2020, 19.37 Uhr

- Beware of automatic conversions!
- Prefer text type for columns when opening the tab-separated text files!



- Typical spreadsheet structure: A column for each property, a line for each item
- Triple state structure:
Descriptor defines properties, **Item** holds item data, **Value** keeps descriptor value

Simplified data model with links to other Diversity Workbench modules



Main description attributes

DiversityDescriptions, Database: DiversityDescriptions_Import v. 3.0.2.3

Connection Edit Grid Query Data Administration Help

Abierhiza tomentosa + Abies <http://localhost/Description/Import/SNSB> Project Deemy Language en

Suchergebnisse 1 - 100 von 554

- Abierhiza fascicularis + Abies
- Abierhiza tomentosa + Abies**
- Acephala macrosclerotiorum Münzer
- Afzeliaerhiza beninensis + Afzelia
- Albatrellus ovinus (Schaeff.: Fr.) Kot
- Alnicola cholea Kühner + Polygonum
- Alnirhiza atroverrucosa + Alnus
- Alnirhiza cana + Alnus
- Alnirhiza cremicolor + Alnus
- Alnirhiza cystidiobrunnea + Alnus
- Alnirhiza cystidiobrunnea + Alnus
- Alnirhiza ellisoides + Alnus
- Alnirhiza illacina + Alnus

ordnen nach: Description

Suchkriterien

- Description
 - ID =
 - Title ~
 - Details ~
 - Project = Deemy
- Description resource
 - Title ~
- Descriptor
 - Categorical =
 - Quantitati. =
 - Text =
 - Sequence =
- Data status
 - + +
- Scope
 - Taxon =
 - Geography =
 - Specimen =

Description: Abierhiza tomentosa + Abies ID: 585930

Main attributes Descriptor view Continuous view Resource links Sample data

Details:

Description scopes

Scope type	Scope value
Taxon name	Abierhiza tomentosa + Abies
Reference	Haug I, Weber R, Oberwinkler

Project

- BactDescDSMZ
- BFLheilpflanzendesc
- Biomass
- Biomass as description
- Biomass as sample
- Copy of Deemy
- Copy of MycoPhylogenyNet
- Deemy
- DescriptionList (2)
- Encarsia
- Fagales_Gallen_Minen
- Import DFI TA

Edit descriptions

Categorical data

DiversityDescriptions, Database: DiversityDescriptions_GFBIO v. 4.3.3

Connection Edit Grid Query Data Administration Help

Albatrellus ovinus (Schaeff.: Fr.) Kotl. & Pouz. + Picea

Suchergebnisse 1 - 100 von 554

Abierhiza fascicularis + Abies
Abierhiza tomentosa + Abies
Acephala macrosclerotium Münze
Afzellaerhiza beninensis + Afzella
Albatrellus ovinus (Schaeff.: Fr.) Ko
Alnicola cholea Kühner + Polygonum
Alnirhiza atroverrucosa + Alnus
Alnirhiza cana + Alnus
Alnirhiza cremicolor + Alnus
Alnirhiza cystidiobrunnea + Alnus (I)
Alnirhiza cystidiobrunnea + Alnus (II)
Alnirhiza ellisoides + Alnus
Alnirhiza lilacina + Alnus

ordnen nach: Descriptiv

Suchkriterien
Description
Title ~
Details ~
Project = DEEM

Description resource
Title ~

Descriptor
Categorical =
Quantitati. =
Text =
Sequence =


Data status
= +

Scope
Taxon ~
Geography ~
Specimen ~
Reference ~

Description: Albatrellus ovinus (Schaeff.: Fr.) Kotl. & Pouz. + Picea AID: ID: 5411

Main attributes Descriptor view Continuous view Resource links Sample data

No.	Type	!	Descriptor name
1 =	text	•	literature references
2 =	quantitative	•	morphology mycorrhizal system length
3 =	categorical	•	morphology mycorrhizal system ramification pres...
4 =	categorical	x	
5 =	categorical	x	
6 =	quantitative		
7 =	quantitative		
8 =	quantitative	•	
9 =	categorical	•	
10 =	quantitative	•	
11 =	categorical	•	
12 =	categorical	•	
13 =	categorical	x	
14 =	categorical	•	
15 =	categorical	•	
16 =	categorical	•	
17 =	categorical	•	morphology mycomizal system exproiation type
18 =	categorical	•	morphology unramified ends mantle hydrophobic...
19 =	categorical	•	morphology unramified ends shape
20 =	categorical	•	morphology unramified ends shape (of distal end)
21 =	quantitative	•	morphology unramified ends length
22 =	quantitative	•	morphology unramified ends diameter
23 =	categorical	•	morphology unramified ends colour

Media view


http://pictures.snsb.info/Deemy/defintion/P-0008.jpg

Categorical states

x	No.	State	Modifier	Frequency	Notes
<input type="checkbox"/>	1 =	absent			
<input checked="" type="checkbox"/>	2 =	monopodial-pinnate			
<input checked="" type="checkbox"/>	3 =	monopodial-pyramidal			
<input type="checkbox"/>	4 =	dichotomous			
<input type="checkbox"/>	5 =	irregularly pinnate, d...			
<input type="checkbox"/>	6 =	coralloid			
<input type="checkbox"/>	7 =	tubercle-like			
<input type="checkbox"/>	8 =	braid-like			

State collection model: OrSet

Status data

x	ID	Status	Notes
<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	

Descriptor tree: Restricted

Edit descriptions

Quantitative data

DiversityDescriptions, Database: DiversityDescriptions_GF BIO v. 4.3.3

Connection Edit Grid Query Data Administration Help

Description **Albatrellus ovinus (Schaeff.: Fr.) Kotl. & Pouz. + Picea** http://development.diversityworkbench.de/Descriptions_GF BIO/5411 Project **DEEMY** Language **en**

Suchergebnisse 1 - 100 von 554

Abierhiza fascicularis + Abies
Abierhiza tomentosa + Abies
Acephala macrosclerotium Münze
Afzeliaerhiza beninensis + Afzelia
Albatrellus ovinus (Schaeff.: Fr.) Ko
Alnicola cholea Kühner + Polygonum
Alnirhiza atroverrucosa + Alnus
Alnirhiza cana + Alnus
Alnirhiza cremicolor + Alnus
Alnirhiza cystidiobrunnea + Alnus (I)
Alnirhiza cystidiobrunnea + Alnus (II)
Alnirhiza ellisoides + Alnus
Alnirhiza lilacina + Alnus

ordnen nach: Descriptiv

Suchkriterien
Description
Title ~
Details ~
Project = DEEM

Description resource
Title ~

Descriptor
Categorical =
Quantitati. =
Text =
Sequence =

Data status
= +

Scope
Taxon ~
Geography ~
Specimen ~
Reference ~

Description: Albatrellus ovinus (Schaeff.: Fr.) Kotl. & Pouz. + Picea AID: ID: 5411

Main attributes Descriptor view Continuous view Resource links Sample data

No.	Type	!	Descriptor name
1	text	•	literature references
2	quantitative	•	morphology mycorrhizal system length
3	categorical	•	morphology mycorrhizal system ramification pres...
4	categorical	x	morphology mycorrhizal system surface {f tuber...
5	categorical	x	morphology mycorrhizal system colour {f tubercul...
6	quantitative		morphology mycorrhizal system tips {per 10 mm} ...
7	quantitative		morphology mycorrhizal system ramification index
8	quantitative	•	morphology mycorrhizal system ramification orders
9	categorical	•	morphology mycorrhizal system abundance
10	quantitative	•	morphology mycorrhizal system main axis diameter
11	categorical		morphology mycorrhizal system taste {after 2-3 ...
12	categorical	•	morphology mycorrhizal system rhizomorphs as s...
13	categorical	x	morphology mycorrhizal system rhizomorphs as s...
14	categorical	•	morphology mycorrhizal system rhizomorphs as s...
15	categorical	•	morphology mycorrhizal system rhizomorphs presence unit: mm
16	categorical	•	morphology mycorrhizal system rhizomorphs freq...
17	categorical	•	morphology mycorrhizal system exploration type
18	categorical	•	morphology unramified ends mantle hydrophobic...
19	categorical	•	morphology unramified ends shape
20	categorical	•	morphology unramified ends shape {of distal end}
21	quantitative	•	morphology unramified ends length
22	quantitative	•	morphology unramified ends diameter
23	categorical	•	morphology unramified ends colour

Descriptor tree: Restricted

Statistical measures

x	No.	Measure	Value	Notes
<input checked="" type="checkbox"/>	4	Lower range limit (legacy data...	0.45	
<input checked="" type="checkbox"/>	5	Upper range limit (legacy data...	0.75	
<input type="checkbox"/>	7	Minimum value		
<input type="checkbox"/>	8	Maximum value		
<input type="checkbox"/>	9	Mean (= average)		

Status data

x	ID	Status	Notes
<input checked="" type="checkbox"/>	!	To be checked	
<input type="checkbox"/>	ø	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	

Edit descriptions

Text data

DiversityDescriptions, Database: DiversityDescriptions_GFBIO v. 4.3.3

Connection Edit Grid Query Data Administration Help

Project DEEMY Language en

Albatrellus ovinus (Schaeff.: Fr.) Kottl. & Pouz. + Picea

Suchergebnisse 1 - 100 von 554

Abierhiza fascicularis + Abies
Abierhiza tomentosa + Abies
Acephala macrosclerotiorum Münze
Afzeliaerhiza beninensis + Afzelia
Albatrellus ovinus (Schaeff.: Fr.) Kottl. & Pouz. + Picea
Alnicola cholea Kühner + Polygonum
Alnihiza atroverrucosa + Alnus
Alnihiza cana + Alnus
Alnihiza cremicolor + Alnus
Alnihiza cystidiobrunnea + Alnus (I)
Alnihiza cystidiobrunnea + Alnus (II)
Alnihiza ellisoides + Alnus
Alnihiza illacina + Alnus

ordnen nach: Descriptiv

Suchkriterien
Description
Title ~
Details ~
Project = DEEM

Description resource
Title ~

Descriptor
Categorical =
Quantitati. =
Text =
Sequence =

Data status
= +

Scope
Taxon ~
Geography ~
Specimen ~
Reference ~

Description: Albatrellus ovinus (Schaeff.: Fr.) Kottl. & Pouz. + Picea AID: ID: 5411

Main attributes Descriptor view Continuous view Resource links Sample data

No.	Type	!	Descriptor name
1	text	•	literature references
2	quantitative	•	morphology mycorrhizal system length
3	categorical	•	morphology mycorrhizal system ramification pres...
4	categorical	x	morphology mycorrhizal system surface {f tuber...
5	categorical	x	morphology mycorrhizal system colour {f tuberc...
6	quantitative		morphology mycorrhizal system tips {per 10 mm} ...
7	quantitative		morphology mycorrhizal system ramification index
8	quantitative	•	morphology mycorrhizal system ramification orders
9	categorical	•	morphology mycorrhizal system abundance
10	quantitative	•	morphology mycorrhizal system main axis diameter
11	categorical		morphology mycorrhizal system taste {after 2-3 ...
12	categorical	•	morphology mycorrhizal system rhizomorphs as s...
13	categorical	x	morphology mycorrhizal system rhizomorphs as s...
14	categorical	•	morphology mycorrhizal system rhizomorphs as s...
15	categorical	•	morphology mycorrhizal system rhizomorphs pres...
16	categorical	•	morphology mycorrhizal system rhizomorphs freq...
17	categorical	•	morphology mycorrhizal system exploration type
18	categorical		morphology unramified ends mantle hydrophobic...
19	categorical	•	morphology unramified ends shape
20	categorical	•	morphology unramified ends shape {of distal end}
21	quantitative	•	morphology unramified ends length
22	quantitative	•	morphology unramified ends diameter
23	categorical	•	morphology unramified ends colour

Descriptor tree: Restricted

Descriptive text

Agerer R (1996) <i>Albatrellus ovinus</i> (Schaeff.: Fr.) Kottl. & Pouz. + <i>Picea abies</i> (L.) Karst. Descr Ectomyc 1: 23-28.
 Agerer R (1996) <i>Albatrellus ovinus</i>. In Agerer R (ed) Colour Atlas of Ectomycorrhizae, plate 91, Einhorn-Verlag, Schwäbisch Gmünd.
 Agerer R, Klosterneyer D, Steglich W, Franz F, Acker G (1996) Ectomycorrhizae of <i>Albatrellus ovinus</i> (Scutigeraceae) on Norway spruce with some remarks on the systematic position of the family. Mycotaxon 59: 289-307.

Notes:

Status data

x	ID	Status	Notes
<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	

Edit descriptions

Molecular sequence data

DiversityDescriptions, Database: DiversityDescriptions_GFBI0 v. 4.3.3

Connection Edit Grid Query Data Administration Help

Description **Aridibacter kavangonensis Ac_23_E3** http://development.dive.workbench.de/Descriptions_GFBI034 Project **DSMZbacdivedesc** Language **en**

Suchergebnisse 1 - 5

- Aridibacter famidurans A22_HD_4HT
- Aridibacter kavangonensis Ac_23_E3**
- Blastocatella fastidiosa A2-16
- Edaphobacter aggregans Wbg-1
- Edaphobacter modestus jbg-1

Suchkriterien

- Description
 - Title ~
 - Details ~
 - Project = DSMZ
- Description resource
 - Title ~
- Descriptor
 - Categorical =
 - Quantitati. =
 - Text =
 - Sequence =
- Data status
 - + =
- Scope
 - Taxon ~
 - Geography ~
 - Specimen ~
 - Reference ~

Description: Aridibacter kavangonensis Ac_23_E3 AID: ID: 343

Main attributes Descriptor view Continuous view Resource links Sample data

No.	Type	!	Descriptor name
1	text	•	Determination of relationship
2	text	•	Domain
3	text	•	BacDive_ID
4	text	•	Culture medium name
5	quantitative	•	Enrichment culture temperature
6	text	•	Biosafety level/Risk group (German classificatio...
7	text	•	Closest relative name (Species and strain desig...
8	text	•	Description source reference
9	categorical	•	API 20NE Cupule 01 NO3
10	text	•	Phylum
11	text	•	Culture medium composition
12	text	•	Enrichment culture medium
13	categorical	•	Pathogenicity (human)
14	quantitative	•	Nucleotide identity
15	text	•	Strain history
16	text	•	PubMed ID
17	categorical	•	API 20NE Cupule 02 TRP
18	text	•	Subdivision
19	quantitative	•	NaCl range (salt tolerance)
20	text	•	Isolation Date
21	categorical	•	Pathogenicity (animal)
22	sequence	•	Partial ribosomal sequence 16S
23	text	•	Culture collection accession number

Molecular sequence

```

AGAGTTTGAATCCITGGCTCAGAATCAACGCTGGCGGG
TGCCTCAGACATGCAAGTCGAACGATTAACCTC
TCCTTCGGGAGAGATAAAAGTGGCGCACGGGTGAGT
AACACGTAAGTAATCTACCTTCGAGTGGGAAT
AACAAACGGAAACGGTTGCTAATACCGCATAAATGCAGC
GGCATCGCGAGATGACAGTTGTTAAAGAATTT
ATTGCTTGAAGAGGAGCTTGGCGCAGATTAGCTAGT
TGGTAAGGTAAACGGCTTACCAAGCGACGATCT
GTATCCGGTCTAAGAGGACGGTCGGACACACTGACACT
GAATAACGGGTCAGACTCCTACGGGAGGCAGC
AGTCGGGAAATTTGGGCAATGGGCGAAAGCCTGACCC
AGCAAACCGCGGTGAAGGATGAAGTTCTTCGGA
ATGTAACCTCGTAAGAAATGGGAAGAAATAATGACGGT
ACCATTTGTAAGCTCCGGCTAACTACGTGCCA
GCAGCCCGGTAAACGTAGGGAGCAAGCGTTGTTTCG
GATTTACTGGGCGTAAAGGGCGGTAGGCGGCA
ATTCAGTCAGCTGTGAAATCTCCGGGCTTAACTCGGA
ACGGTCAGCTGATAGCTTTCGTTAGAGTGCA
GAAGGGGCAATCGGAATCTTGGTGTAGCGGTGAAAT
GCGTAGATCAAGAGGAACACCTGAGGTGAAG
ACGGGTTGCTGGGCTGACACTGACGCTGAGGCGCGAA
  
```

Nucleotide Len: 1 Pos: 1506

Notes:
test

Status data

x	ID	Status	Notes
<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	

Descriptor tree: Restricted

Edit descriptions

Multilingual support

Generate document

Entities in database:

Description

all none swap

- Absconditella amabilis T. Sprib.
- Absconditella annexa (Arnold) Vězda
- Absconditella antarctica Sochting & Vězda
- Absconditella celata Döbb. & Poelt
- Absconditella delutula (Nyl.) Coppins & Kilius
- Absconditella duplicella (Nyl.) Rossman
- Absconditella fossarum Vězda & Pišút
- Absconditella lignicola Vězda & Pišút
- Absconditella pauxilla Vězda & Vivant
- Absconditella sphagnorum Vězda & Poelt
- Absconditella trivialis (Tuck.) Vězda
- Acarothoecis abaphoides (Nyl.) Staiger & Kalb
- Acarothoecis africana Staiger & Kalb
- Acarothoecis aquilonia A. W. Archer & Elix
- Acarothoecis archeri B. O. Shama, Makhija &
- Acarothoecis asprocarpa (A. W. Archer) A. W.
- Acarothoecis aurantiaca (Müll. Arg.) Staiger & t
- Acarothoecis borealis A. W. Archer & Elix
- Acarothoecis caesiocamea (Vain.) Kalb
- Acarothoecis celata B. O. Shama, Makhija & F
- Acarothoecis coccinea B. O. Shama, Makhija &
- Acarothoecis collateralis Makhija & Adaw.
- Acarothoecis consocians (Nyl.) Staiger & Kalb
- Acarothoecis dialeuca (Kremp.) Staiger & Kalb
- Acarothoecis dialeucoides Kalb & Staiger
- Acarothoecis gyrdia (Stirt.) A. W. Archer

HTML MediaWiki Pensoft content

Descriptions

Absconditella annexa (Arnold) Vězda

- **Scopes**
 - Geographic area* World
 - Reference* Bielczyk, U/ Kiszka, J (2001): The genus Absconditella (Stictidaceae, Ascomycota Li
 - Reference* Vondrak_2010
 - Taxon name* Absconditella annexa (Arnold) Vězda
- **[data record] author <name>**
Rambold G.
- **[data record] <type>**
compiled
- **[data record] revision <status>**
not revised
- **[data record] release <permission statement>**
yes
- **[taxonomic rank <level>**
species

Include index
 Include resources
 Accept RTF mark-ups
 Include data titles
 Resolve scopes
 Include descriptors
 Structured output

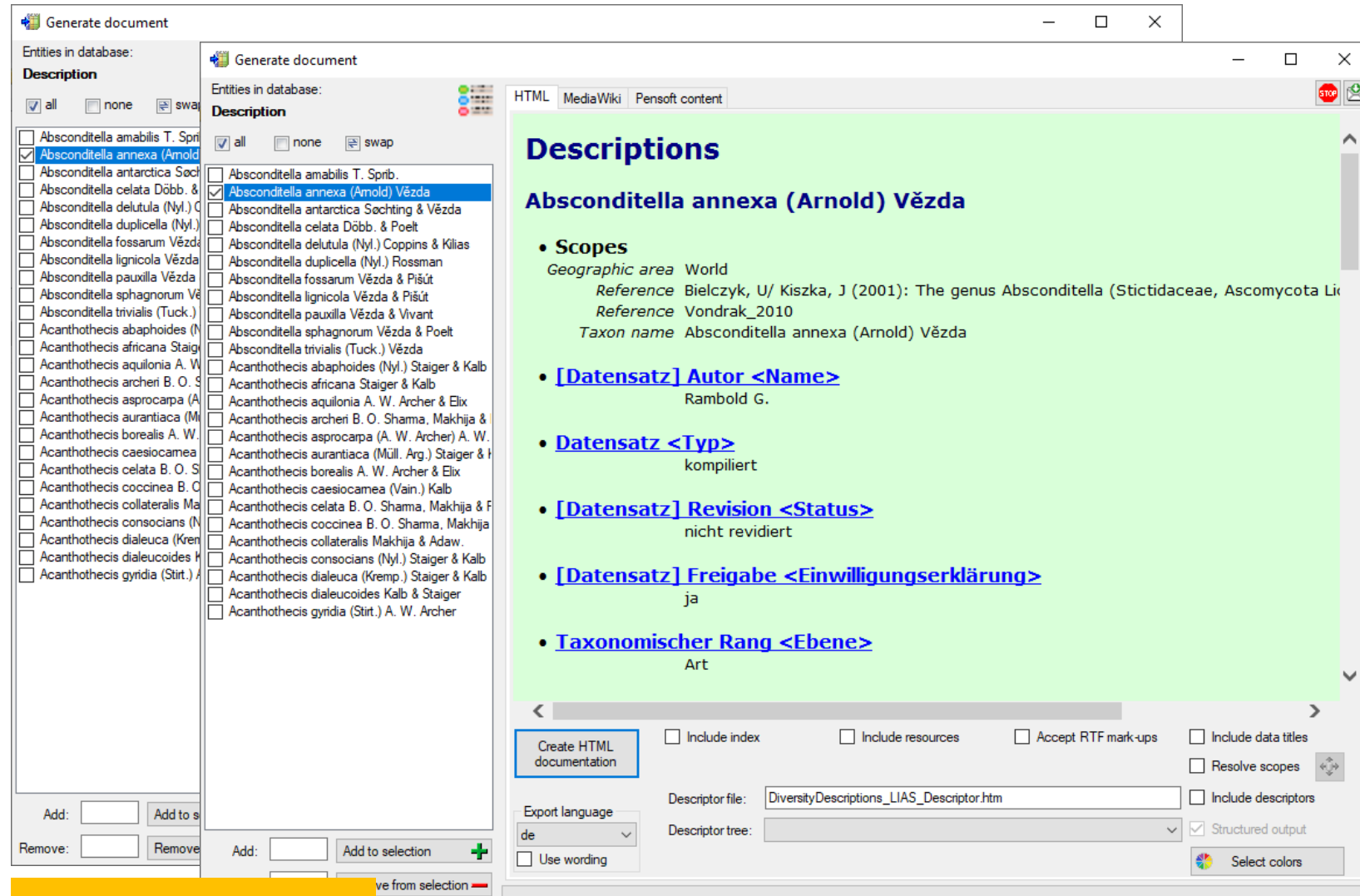
Export language: en (default)
 Use wording

Descriptor file: DiversityDescriptions_LIAS_Descriptor.htm
 Descriptor tree:

Add:
 Remove:

Project language: English

Multilingual support



The screenshot displays the 'Generate document' window of the DiversityDescriptions software. The interface is split into several panes:

- Entities in database:** A list of taxonomic entities with checkboxes. 'Absconditella annexa (Arnold) Vězda' is selected.
- Description:** A list of descriptive terms with checkboxes. 'Absconditella annexa (Arnold) Vězda' is selected.
- HTML / MediaWiki / Pensoft content:** A main content area showing the generated description in German. The title is 'Absconditella annexa (Arnold) Vězda'. It lists various attributes:
 - Scopes:** Geographic area: World; Reference: Bieliczyk, U/ Kiszka, J (2001): The genus Absconditella (Stictidaceae, Ascomycota Li); Reference: Vondrak_2010; Taxon name: Absconditella annexa (Arnold) Vězda.
 - [Datensatz] Autor <Name>:** Rambold G.
 - [Datensatz] <Typ>:** kompiliert
 - [Datensatz] Revision <Status>:** nicht revidiert
 - [Datensatz] Freigabe <Einwilligungserklärung>:** ja
 - [Taxonomischer Rang <Ebene>:** Art
- Bottom Panel:** Includes a 'Create HTML documentation' button, checkboxes for 'Include index', 'Include resources', 'Accept RTF mark-ups', 'Include data titles', 'Resolve scopes', 'Include descriptors', and 'Structured output'. It also features a 'Descriptor file' field (DiversityDescriptions_LIAS_Descriptor.htm), a 'Descriptor tree' dropdown, and a 'Select colors' button.

Translation: German

Multilingual support

The screenshot displays the DiversityDescriptions software interface, which is used for generating taxonomic descriptions. It features three overlapping windows:

- Left Window:** A list of taxonomic entities with checkboxes. The entity *Absconditella annexa* (Arnold) Vězda is selected. Below the list are buttons for 'Add', 'Add to selection', 'Remove', and 'Remove from selection'.
- Middle Window:** A similar list of entities, also with *Absconditella annexa* (Arnold) Vězda selected. It includes the same management buttons as the left window.
- Right Window:** The 'Generate document' window, showing the generated HTML output for the selected entity. The output is in Chinese and includes:
 - Title:** 描述 (Descriptions)
 - Species Name:** *Absconditella annexa* (Arnold) Vězda
 - Scopes:**
 - Geographic area:** World
 - Reference:** Bieltczyk, U/ Kiszka, J (2001): The genus *Absconditella* (Stictidaceae, Ascomycota L)
 - Reference:** Vondrak_2010
 - Taxon name:** *Absconditella annexa* (Arnold) Vězda
 - Author:** [数据记录] 作者 <姓名> 拉姆博尔德 G.
 - Type:** [数据记录] <类型> 编辑
 - Revision:** [数据记录] 修订 <状态> 未修订
 - Publication:** [数据记录] 发布 <许可声明> 是
 - Classification:** [数据记录] <等级> 种

At the bottom of the right window, there are options to 'Create HTML documentation', 'Include index', 'Include resources', 'Accept RTF mark-ups', 'Include data titles', 'Resolve scopes', 'Include descriptors', 'Structured output', and 'Select colors'. The 'Export language' is set to 'zh' (Chinese).

Translation: Chinese

Interfaces to the world

File conversion

Tab separated lists

CollectionSpecimenID	Accession number	Taxon
CollectionSpecimenID	AccessionNumber	LastIdentificationCache
129973	M-0113263	Coloboglea penophorae (Bourdot & Galzin) Oberw., R. Bauer & Bandoni
129942	M-0113032	Ascochyta rigosa Burt.
129946	M-0113036	Canarops polyperma (Mont.) J.H. Mill.
129884	M-0113074	Hyphodermia praetermissum (P. Karst.) J. Erikss. & Å. Strid
129884	M-0113074	Hyphodermia praetermissum (P. Karst.) J. Erikss. & Å. Strid
129884	M-0113074	Rhizodiscina ligrayta (Fr.) Hafellner
129884	M-0113074	Rhizodiscina ligrayta (Fr.) Hafellner
129884	M-0113074	Diatrypa quercina (Pers.) Cooke
129884	M-0113074	Diatrypa quercina (Pers.) Cooke

Import **Export**

SDD eml XML file check

Import wizard

Matrix wizard

List export

Line number	Description	Name
1	Ascochyta tomentosa +	Ascochyta fascicularis + Abies
2	Ascochyta tomentosa +	Ascochyta fascicularis + Abies
3	Ascochyta tomentosa +	Ascochyta fascicularis + Abies
4	Ascochyta tomentosa +	Ascochyta fascicularis + Abies
5	Ascochyta tomentosa +	Ascochyta fascicularis + Abies
6	Ascochyta tomentosa +	Ascochyta fascicularis + Abies
7	Ascochyta tomentosa +	Ascochyta fascicularis + Abies
8	Ascochyta tomentosa +	Ascochyta fascicularis + Abies
9	Ascochyta tomentosa +	Ascochyta fascicularis + Abies
10	Ascochyta tomentosa +	Ascochyta fascicularis + Abies

DiversityDescriptions

CSV export

Questionnaires

DELTA import

SDD import

Cache database

Structured export



Project: BFLheilpflanzendesc - New item

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Item name:

Resources
Name: URL:

1. Zahl der (wahren oder scheinbaren) Blütenblätter ! Ø - ? # § 0

2 3 4 5 6 7 bis viele von Blüte zu Blüte verschieden anders

2. Wuchs- und Erscheinungstyp ! Ø - ? # § 0

Krautige Blütenpflanze Parasit oder Halbparasit (Pflanze wächst auf anderer Pflanze) Strauch, Halbstrauch, Zwergstrauch Baum (> 5 m) Kletterpflanze oder Liane

3. Wuchsform ! Ø - ? # § 0

aufrecht niederliegend niederliegend-aufsteigend rankend oder kletternd

4. Blütenfarbe ! Ø - ? # § 0

weiß oder cremefarben gelb rot, orange, apricot rosa, pink braun grün blau lila, violett, purpur anders

Questionnaires

- HTML forms that can easily be generated with DiversityDescriptions

- Alternate way to enter data with a regular web browser

- Data can be “downloaded“ as a text file and be (re-)imported

SDD import

File name: D:\Subversion\Projekte\DiversityDescriptions\bin\Debug\Deemy.xml

File tree

- Project: Deemy
 - Metadata
 - Descriptor trees
 - Descriptions
 - Alnirhiza atroverrucosa + Alnus
 - Alnirhiza cana + Alnus
 - Alnirhiza cremicolor + Alnus
 - Alnirhiza cystidiobrunnea + Alnus
 - Alnirhiza lilacina + Alnus
 - Alnirhiza suffusa + Alnus
 - Alnirhiza texta + Alnus
 - Alnirhiza violacea + Alnus

Analysis settings

Default language: en

Import settings

Workbench project: Tutorial

Accept comma as decimal separator

Create default descriptor tree

Import trees for "natural language description"

Import trees without "role"

Analyse data

Descriptors

Descriptor trees

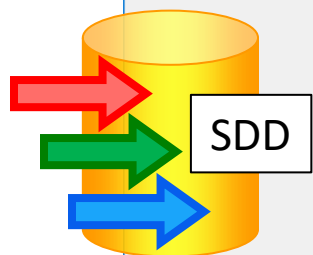
Descriptions

- Abierhiza fascicularis + Abies
 - TextChar
 - literature references
 - Content
 - Haug I, Weber R, Oberwinkler F, Tschern J (1994) The mycorrhizal status of Taiwanese trees and the description of some ectomycorrhizal types. Trees 8: 237-
 - remarks public notes
 - Content
 - Mycorrhizal ends velvety; cells of middle mantle layers in plan view angular; mantle in ultrastructure with no matrix material in the middle region, hyphal walls inte
 - Quantitative

Start import Import to database: DiversityDescriptions_Import Analysis success

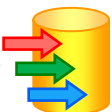
• Support for multilingual SDD files

• Default language may be selected for import



Source data

Species	Author	Year	Country	Region	Site	Collector	Date	Number	Herbarium	Notes
Alnirhiza atroverrucosa	W. G. Sacc.	1887	Germany	Black Forest	St. Blasien	W. G. Sacc.	1887	1000	NY, UC, S	
Alnirhiza cana	W. G. Sacc.	1887	Germany	Black Forest	St. Blasien	W. G. Sacc.	1887	1000	NY, UC, S	
Alnirhiza cremicolor	W. G. Sacc.	1887	Germany	Black Forest	St. Blasien	W. G. Sacc.	1887	1000	NY, UC, S	
Alnirhiza cystidiobrunnea	W. G. Sacc.	1887	Germany	Black Forest	St. Blasien	W. G. Sacc.	1887	1000	NY, UC, S	
Alnirhiza lilacina	W. G. Sacc.	1887	Germany	Black Forest	St. Blasien	W. G. Sacc.	1887	1000	NY, UC, S	
Alnirhiza suffusa	W. G. Sacc.	1887	Germany	Black Forest	St. Blasien	W. G. Sacc.	1887	1000	NY, UC, S	
Alnirhiza texta	W. G. Sacc.	1887	Germany	Black Forest	St. Blasien	W. G. Sacc.	1887	1000	NY, UC, S	
Alnirhiza violacea	W. G. Sacc.	1887	Germany	Black Forest	St. Blasien	W. G. Sacc.	1887	1000	NY, UC, S	



Export data

File name: D:\Subversion\Projekte\DiversityDescriptions\bin\Debug\Export\DiversityDescriptions_Import_BactDescDSMZ

Data export

Export project: **BactDescDSMZ**

- Inclusion of data from other DWB module possible (e.g. DiversityProjects)
- Selection of export language for multilingual databases
- Individual options for each export format available

Options:

- Export withheld data
- Hide withheld descriptor
- Read external data
- Check strings for illegal characters
- Include resources

Multi-file

Export tree:

- [-] Descriptors
- [-] Descriptor trees
- [-] Descriptions
 - [-] Aridibacter famidurans A22_HD_4HT
 - [-] Categorical
 - [-] Quantitative
 - [-] TextChar
 - [-] Sequence
 - [-] Partial ribosomal sequence 16S
 - [-] Sequence
 - AGAGTTTGATCTGGCTCAGAATCAACGCTGGCGGCGTGCCTCAGACATGCAAGTCGAACGATTAAGCTCCCTTCGGGGAGTGCATAAAGTGGCGCACGGC
 - [-] Protein 3
 - [-] Sequence
 - SerAlaThrValSerGluIleAsnSerGluThrAspPheValAlaLysAsnAspGlnPheIleAlaLeuThrLysAspThrThrAlaHisIleGlnSerAsnSerLeuGlnSerValGluGluLeuHisSerSerThrIle
 - [-] Protein 1
 - [-] Sequence

Export from database: **DiversityDescriptions_Import** Analysis success



Export matrix data

File name: C:\Users\Link\ DiversityWorkbench\ DiversityDescriptions\ Export\ ...

Matrix wizard

- Simplified export of terminology and description items
- Generates mapping data and import schema for re-import
- Provides state selection by text or ordinal numbers
- Allows easy re-import of modified data with Matrix Import Wizard

		[data record] aut...	data record <type>	[data record] revi...	[data record] revi...	[data record] rele...	taxonomic rank <l...	genus <taxon>	of
		503	510	516	520	526	529	535	167
4	Absconditella am...	12561	7	2	1	2	2	2	125
5	Absconditella an...	16341	7	2	1	2	2	2	125
6	Absconditella ant...	15460	7	2	1	2	2	2	125
7	Absconditella cel...	12261	3	2	1	2	2	2	125
8	Absconditella del...	10099	4	2	2	5	2	2	125
9	Absconditella du...	17088	6	2	1		2	2	125
10	Absconditella fos...	17089	6	2	1		2	2	125
11	Absconditella lign...	12464	2	2	2	2, 5	2	2	125
	...a pa...	7440	3	2	2	5	2	2	125
	...a sph...	7441	4	2	2	5	2	2	125
	...a sp...	7442	4	2	2	5	2	2	125

Export from database: DiversityDescriptions_LIAS

Export aborted

Start export

