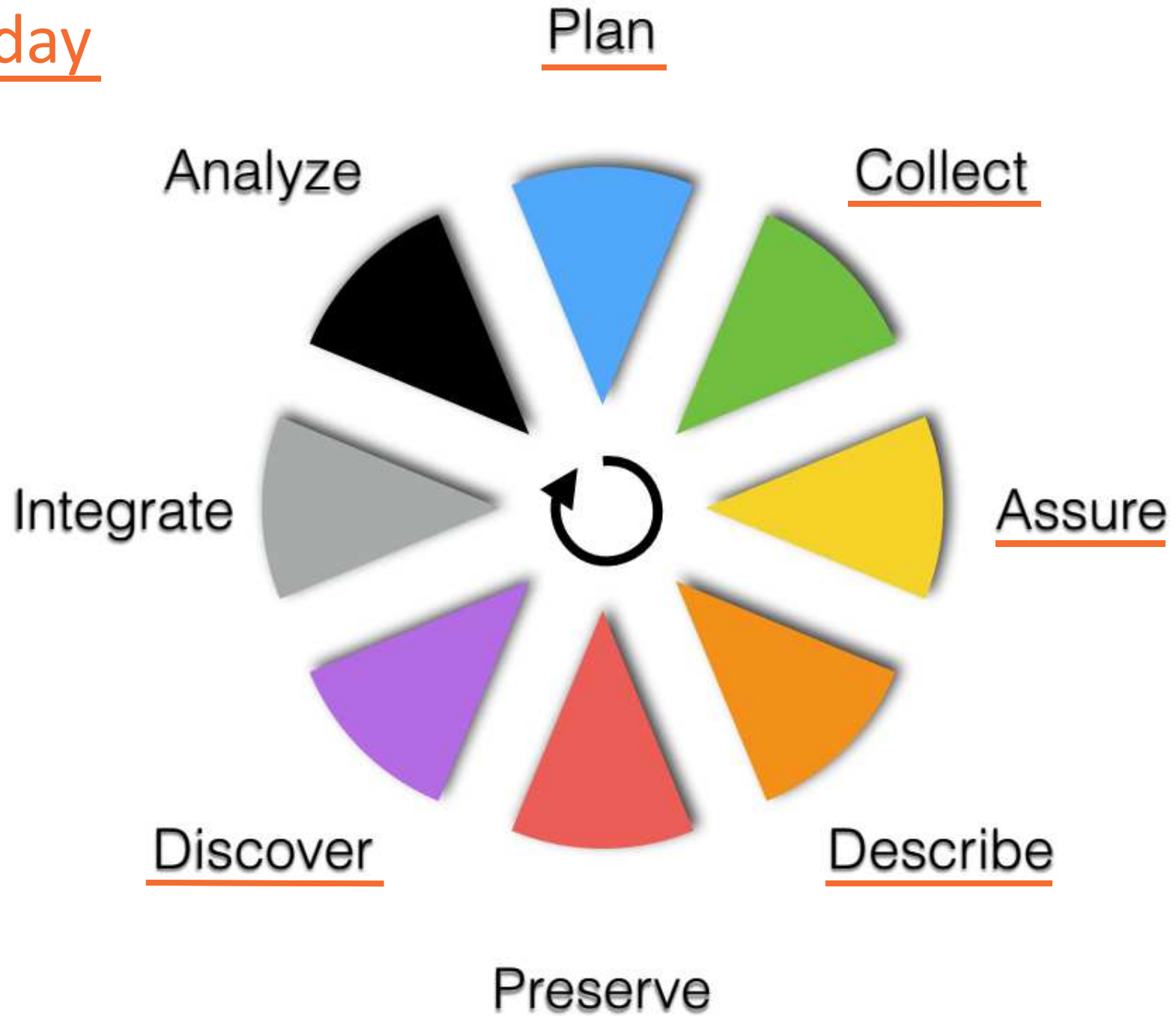


End User Tutorial

BExIS 2

Friedrich-Schiller-University Jena

Today



Why central Data Management?

- Security (Backup, permission management)
- Versioning
- Documentation (i.e. Metadata)
- Searchable
- Reuseable
- Reproducible
- Data integration

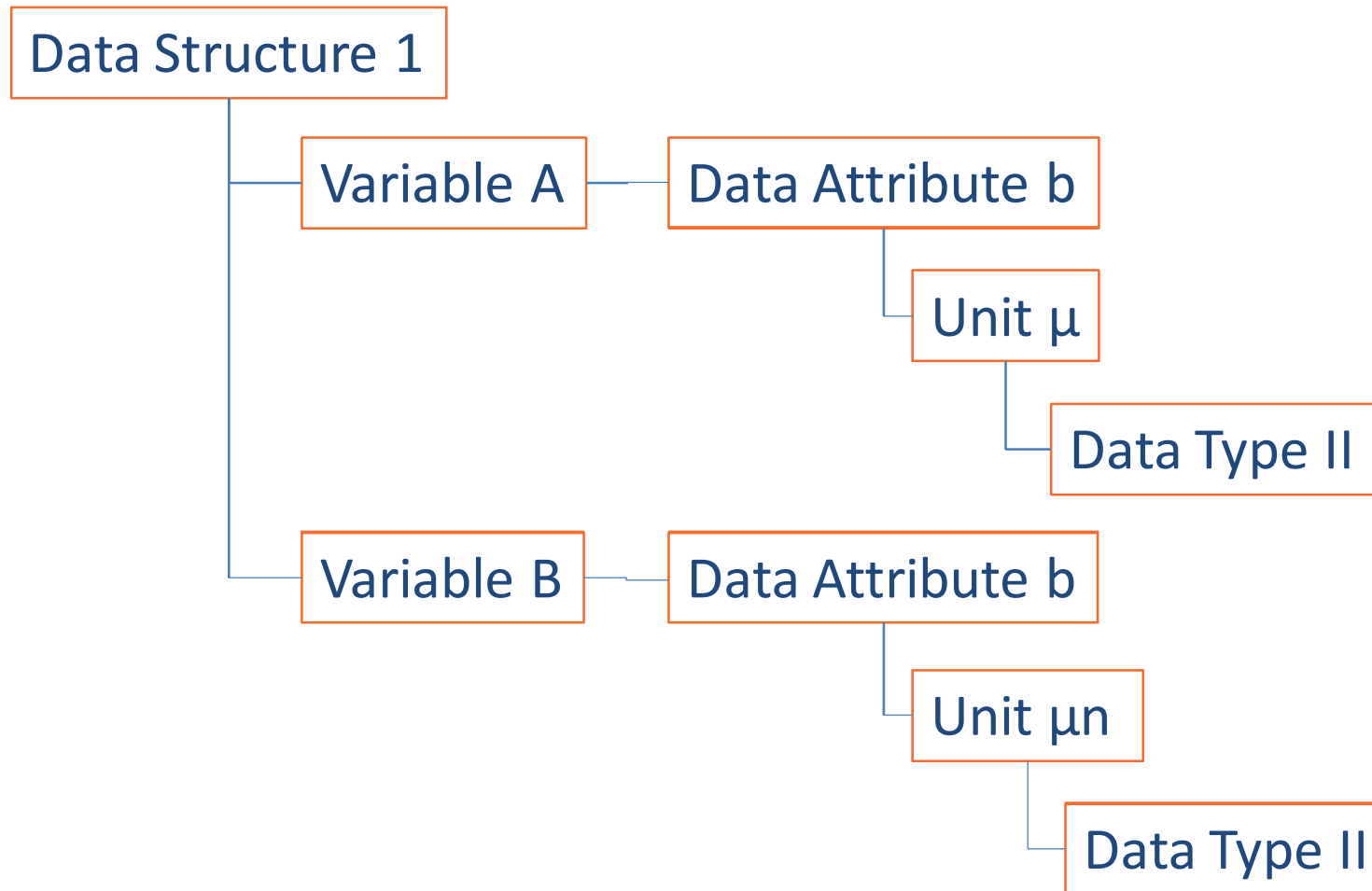
Dataset Concept

Metadata (incl. Data Structure)			
Plot	Mouse Holes	Ant Colonies	Earthwormes

Dataset = Data Structure + Primary Data + Metadata

Primary Data	B2A04	3	6	29
	B2A11	1	5	10
	B3A02	0	2	21
	B4A03	0	4	13
	B4A09	1	1	7

Data Structure Concept



Now... hands-on!

Help

before we start... there is always help!

BExIS 2.7.0

[LogOn] [Register]

Search ToC

- 1. Search UI
 - 1.1. Categories
 - 1.2. Properties
 - 1.3. Free text search with Autocomplete
 - 1.4. Selected Filter
 - 1.5. Results
- 2. Data Details
 - 2.1. Meta Data
 - 2.2. Data Structure
 - 2.3. Primary Data
- 3. Search Manager

1. Search UI

Search UI contains some parts to search for data. You can control the search UI in different ways, you are able to look for all details of datasets, but not for the uploaded data. You can find more information in section 3.

Search

- Data Planning
- Data Collection
- Data Dissemination
- Administration

Home Search Plan Collect Administration Help

Categories (1)

- University of Jena (1)
- Max-Planck-Instit... (0)

Owner Name (1)

- Jakob Maria Her... (1)
- David Blaz (0)
- Sophia Kaiser (0)

Contact Name (1)

- Jakob Maria Her... (1)

Taxonomic Term (1)

- arthropods (1)

Properties

Taxon:

Data Quality: All raw

Process:

New search Based on previous search

Organisation Name: (Max-Planck-Institute for Biochemistry, Jena or University of Jena) | Title: Heuschrecken_Sam1 | Owner Name

Drag a column header and drop it here to group by that column

Functions	ID	Title	Owner Name	Dataset Quality Level	Organisation Name	Last Revision Date
Details	3	Heuschrecken_Ea...	Jakob Maria Mierscheid	raw	University of Jena	2012-04-25T22:00...

<http://bexis.inf-bb.uni-jena.de/2201>

Steps:

- Register yourself in BExIS 2
- Create a data structure (incl. data attribute, units)
- Download a template
- Add your data to the Excel template
- Create a new dataset in BExIS 2
- Enter metadata
- Datensatz hochladen

Register

BExIS 2.6.1

Home

Search

Plan

Collect

You are not logged in.
Please log in to the system and continue.

[[LogOn](#)] [[Register](#)]

Register

▼ User Information

Authenticaton Provider

local ▼

User Name

Password

Confirm Password

Full Name

Email Address

Security Question

What is the first name of the person you first kissed? ▼

Security Answer

Create

Reset

Cancel

Create a Data Structure

BExIS 2.7.0

Welcome **administrator!** [[Log Off](#)]

Home Search Plan Collect Administration Help

Create Structured
Create Unstructured

- Structured
 - Bird (in use)**
 - InvIArth (in use)
 - traits test
- Unstructured
 - GIS data
 - image
 - video

Bird (in use)

Name:*

Number of Variables: 6

Data Structure ID: 2

Functions	locked	locked	locked	locked	locked	locked
Name	StringIdentifier	Accipiter_gentilis	Buteo_buteo	Falco_tinnunculus	Milvus_milvus	Date
Optional	✓	✓	✓	✓	✓	✓
VariableID	4	5	6	7	8	3
ShortName	stringId	scientific name	scientific name	scientific name	scientific name	date
Description	Name for experimental plots	observation of Accipiter gentilis	observation of Buteo buteo	observation of Falco tinnunculus	observation of Milvus milvus	the date of the observation
Unit	None	None	None	None	None	None
Data Type	String	String	String	String	String	Date

Datasets Download AddVariable Delete Save Save as Cancel

You can use your own data or our sample data

Download Template

BExIS 2.6.1

The screenshot displays the BExIS 2.6.1 Administration interface. The top navigation bar includes 'Home', 'Search', 'Plan', 'Collect', and 'Administration'. On the left, a tree view shows the data structure 'test (in use)' under 'Structured'. The main area shows the details for 'test (in use)', including its name, number of variables (4), data structure ID (6), and a description. Below this is a table of functions for the data structure, with columns for 'Name', 'Optional', 'VariableID', 'ShortName', 'Description', 'Unit', and 'Data Type'. The 'Download' button is circled in red. A dialog box titled 'Öffnen von Template_6_test.xlsxm' is open, asking to open the file 'Template_6_test.xlsxm' (17.2 KB) from 'http://bexis2.vmguest.uni-jena.de'. The dialog offers options to 'Öffnen mit Microsoft Excel (Standard)' or 'Datei speichern' (selected), and a checkbox for 'Für Dateien dieses Typs immer diese Aktion ausführen'.

Functions	locked	locked	locked	locked
Name	Site	Site (1)	Site (2)	Site (3)
Optional	✓	✓	✓	✓
VariableID	21	22	23	24
ShortName	Site	Site	Site	Site
Description	Location of the measurement	Location of the measurement	Location of the measurement	Location of the measurement
Unit	None	None	None	None
Data Type	String	String	String	String

Copy Data into Excel Template

	A	C	D	E	F	G	H	I	J	K
1	Name	Fläche	Plot	Falle	Gruppe	Bearbeiter	Unterfamilie	Art	Individuen	
3	Variable ID	14	8	9	10	12	15	16	11	
4	Shortname	Habitat	ID	ID	ID	pname	taxon	taxon	count	
5	Description					Name of a person	A name of a speci	A name of a speci	number of occurrences, numbe	
6	Classification									
7	Unit	None	None	None	None	None	None	None	None	
8	Datatype	String	Number	Number	Number	String	String	String	Number	
9	Optional	True	True	True	True	True	True	True	True	
12										
13		B		1	1	4 Jerdeva	Carabinae	NA		2
14		B		1	1	4 Jerdeva	Pterostichinae	NA		1
15		B		1	2	4 Sinnesbichler	Pterostichinae	NA		7
16		B		1	2	4 Sinnesbichler	Carabinae	NA		1
17		B		2	1	2 Westenkirchner, Z	Pterostichinae	Abax parallelepiped		1
18		B		2	2	2 NA	NA	NA	NA	
19		B		3	1	2 NA	NA	NA		0
20		B		3	2	2 Sundmacher	Loricerae	Loricera pilicornis		2
21		B		4	1	7 Maria Ernst	Nebriinae	Nebria brevicollis		1
22		B		4	1	7 Maria Ernst	Pterostichinae	Pterostichus madid		1
23		B		4	1	7 Maria Ernst	Pterostichinae	Pterostichus oblon		2
24		B		4	2	7 Lea Reiter	Pterostichinae	Pterostichus oblon		1
25		B		4	2	7 Lea Reiter	Cychrinae	Cychrus attenuatu		2

Create a Dataset in the BExIS 2

BExIS 2.6.1

Welcome **administrator!** [[Log Off](#)]

Home	Search	Plan ▾	Collect ▾	Administration ▾
-------------	---------------	---------------	------------------	-------------------------

Dataset setup
Summary

Create a dataset

Upload data to a dataset

Push big files to server information.

- * Research Plan
- * Data Structure
- * Metadata Structure

Create Dataset and load metadata

Describe your Dataset with Metadata

BExIS 2.6.1

Welcome **administrator!** [[Log Off](#)]

Home Search Plan ▾ Collect ▾ Administration ▾

Dataset setup
General
General (1)
Creator
Data
Summary

General


* Title

* Project

* Organisation

Subject

Description

Collection date 

Validate

Prev (3 of 10) Cancel Save Next

Upload your Data

BExIS 2.6.1

Welcome **administrator!** [[Log Off](#)]

Home	Search	Plan ▾	Collect ▾	Administration ▾
----------------------	------------------------	------------------------	---------------------------	----------------------------------

Add Data or Update Data

In order to add to or update data of **[dataset name]**, please select whether the dataset is structured or unstructured.

[Structured Data](#) [Unstructured Data](#)

- Create a dataset
- Upload data to a dataset**
- Push big files to server

Search Data

BExIS 2.6.1

Welcome **administrator!** [[Log Off](#)]

Home Search Plan Collect Administration

Categories

- Creator (1)
 - David Blaa (1)
- Current Habitat (1)
 - Buchenwald (1)
- Scenario (1)
 - Fichtenwald (1)

Properties

Taxon

All

New search Based on previous search

All Search

Drag a column header and drop it here to group by that column

« 1 10 » Displaying items 1 - 2 of 2

Functions	ID	Title	Current Habitat	Collection Date
Details	2			2015-06-02T22:00:00.000Z
Details	1	Test	Buchenwald	2015-06-07T22:00:00.000Z

« 1 10 » Displaying items 1 - 2 of 2

Download Data

BExIS 2.7.0

Welcome **administrator!** [[Log Off](#)]

Home Search Plan ▾ Collect ▾ Administration ▾ Help ▾

Bird survey data 2012

Meta Data Data Structure Primary Data

To download the entire dataset choose one of the following formats.

Note: If you are the first one to download this dataset it may take a little longer, because the file has to be created.

[Download Excel](#) [Download Comma Separated](#) [Download Tab Separated](#)

StringIdentifier	Accipiter_gentilis	Buteo_buteo	Falco_tinnunculus	Milvus_milvus	Date
SEG71	1	1	1	1	2/2/2012 12:00:00 AM
SEG72	2	0	2	2	2/2/2012 12:00:00 AM
SEG43	2	1	1	2	2/3/2012 12:00:00 AM
SEG44	0	1	1	1	2/3/2012 12:00:00 AM

Displaying items 1 - 4 of 4

Links

BExIS 2 Software

<http://fusion.cs.uni-jena.de/bexis>

Kontaktstelle Forschungsdatenmanagement

<http://www.uni-jena.de/forschungsdatenmanagement.html>