



**FBIP training on Data analysis**

**October 2019**

**Practical exercises on DarwinCore (DwC)**

***Note: please write down/ record answers to the questions in each exercise, and we'll have a feedback session after you have finished all 3 exercises.***

## **Exercise 1. Looking up DarwinCore terms in the quick reference guide**

- a) In your web browser, open <http://rs.tdwg.org/dwc>

*Note: DwC groups terms together based on the types of information that would be stored in the fields named using the DwC terms*

- b) Look up the definition, and give an example, for:**

- 1. ownerInstitutionCode**
- 2. basisOfRecord**
- 3. eventDate**
- 4. countryCode**
- 5. individualCount**

## **Exercise 2. Familiarity with DarwinCore occurrence template**

- a) Open the file DwC\_Ex2\_CompletedTemplate\_Occurrences.xlsx
- b) Read the README spreadsheet

*Note: IPT stands for Integrated Publishing Toolkit and is the piece of software that is used to publish data like this Excel spreadsheet to the GBIF website. We will not be using it, but you should be aware that it exists.*

- c) Examine the two data records that are in the Occurrences spreadsheet. Make sure that you understand what information is stored in each field. You can refer to the notes that pop up when you hover over the column headings, or you can look things up on the DwC website.

*Note: yellow columns heading are required, pink column headings are recommended, green column headings are optional*

### **Exercise 3. Using the DarwinCore occurrence format to capture data**

- a) Save the above file using a new name
- b) Capture the information from the next 4 pages of VirtualMuseum records as new records in this Excel template
- c) Are there are missing fields in the template that you think should be added? Make a note of them.**
- d) Are there any redundant fields in the template that you think are not needed? Highlight them.**

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VultureMAP

FitzPatrick Institute of African Ornithology

Animal Demography Unit

University of Cape Town

VultureMAP  
Record details

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>|

BirdPix:	523
Province:	Limpopo
Country:	South Africa
Locus:	<a href="#">2231AD</a>
Observer:	Kennedy David; Photos by Dave
Date of record:	2012-01-05
Number of photos:	1
Notes:	
Last updated:	2012-09-23 13:50:46
Sp. code:	107
Species name:	Gyps africanus
Common name:	White-backed Vulture -- Witruugaasvoel
Family:	Accipitridae
Record status:	ACCEPTED
Collector's species id:	White-backed Vulture Gyps africanus
Institution:	ADU-UCT
Record URL:	<a href="http://vmus.adu.org.za/?vm=BirdPix-523">http://vmus.adu.org.za/?vm=BirdPix-523</a>

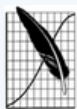


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## TreeMAP

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## Virtual Tree Herbarium (TreeMAP)

### Record details

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TreeMAP: 4182

Province: Luanda Province

Country: Angola

Locus: 0913AA

Observer: Cronje Pieter

Date of record: 2014-08-02

Number of photos: 1

Notes:

Last updated: 2014-11-06 11:59:21

Sp. code: 13330

Species name: *Adansonia digitata*

Common name: Boabab -- Kremetart

Family: Bombacaceae/Malvaceae

Record status: ACCEPTED

Collector's species id: Boabab tree *Adansonia digitata*

Institution: ADU-UCT

Record URL: <http://vmus.adu.org.za/?vm=TreeMAP-4182>



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Full size



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## Frog Atlas of Southern Africa

### Record details

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FrogMAP:	2129
Province:	KwaZulu-Natal
Country:	South Africa
Locus:	<a href="#">2730CC</a>
Observer:	Verburgt L.; Enviro-Insight CC
Date of record:	2012-02-17
Number of photos:	1
Notes:	
Last updated:	2014-06-03 09:44:22
Sp. code:	1030
Species name:	Tomopterna natalensis <a href="#">[Species text]</a>
Common name:	Natal Sand Frog
Family:	Pyxicephalidae
Record status:	ACCEPTED
Collector's species id:	Tomopterna natalensis
Institution:	ADU-UCT
Record URL:	<a href="http://vmus.adu.org.za/?vm=FrogMAP-2129">http://vmus.adu.org.za/?vm=FrogMAP-2129</a>



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