



## Building Regional Biodiversity Information Systems (BioInformatics) in the Albertine Rift

**Regional Committee and Training Workshop - Chez Lando Hotel, 12-17 December 2011**

*Organised by ARCOS with Funding Support from JRS Biodiversity Foundation*

### **The Workshop Programme**

#### **SECTION 1: BASIC TRAINING**

##### **Day 1: ARCOS and uses of Biodiversity Data**

08:30-9:00 –Welcome from ARCOS and Introductions (Dr Sam Kanyamibwa (Executive Secretary ARCOS))

09:00-09:30: Opening Speech: Dr Emmanuel Nkurunziza, Director General Rwanda Natural resources Authority

09:30 - Welcome to the Course, Logistics and Practicalities (Claudien Nsabagasani)

09:45 - Summary and Planning for the course (Zac Maritim)

10:00 - Biodiversity and Uses of Biodiversity Data: Introduction

11:00 - Coffee/tea break

11:30 - Uses of Biodiversity Data: Examples

12:30 - Lunch break

13:30 - Practical exercise: experiences by participants as data publishers and consumers

14:00 - The Global Biodiversity Information Facility

15:00 - Coffee/tea break

15:30 - The Uganda Biodiversity Information Facility –UgaBIF

16:30 - Questions and answers.

17:00 - Close of the session.

##### **Day 2: Planning a Biodiversity Digitisation Project**

09:00 - Theoretical session on digitisation project planning

11:00 - Coffee/tea break

11:30 - Theoretical session on digitisation project planning (continued and discussion)

12:30 - Lunch break

13:30 - Practical exercise: participants will create their own biological information digitisation projects

15:00 - Coffee/tea break

15:30 - Practical exercise: participants will create their own biological information digitisation projects (cont)

16:00 - Exposition of draft digitisation projects plans by participants and discussion

17:00 - Close of the session.



## **SECTION 2: ADVANCED TRAINING**

### **Day 3: Biodiversity data Digitisation Software**

- 08:30 - Theoretical session: Characteristics of a good digitisation software
- 09:30 - Options available as digitisation software
- 10:30 - Coffee/tea break
- 11:00 - How to digitise primary biodiversity data using desktop software
- 12:00 - Lunch break
- 13:00 - How to digitise primary biodiversity data with desktop software (cont)
- 14:00 - Practical exercise with sample digitisation software: Digitisation of real NH collection specimens
- 15:00 - Coffee/tea break
- 15:30 - Practical exercise (continued)
- 17:00 - Close of the session.

### **Day 4: Data quality and data cleaning**

- 08:30 - Principles of Data Quality
- 09:30 - Biodiversity data quality and cleaning: names and taxonomy
- 10:30 - Coffee/tea break
- 11:00 - Biodiversity data quality and cleaning: spatial data
- 12:00 - Lunch break
- 13:00 - Introduction to georeferencing of biodiversity data
- 14:00 - Online resources for georeferencing biodiversity data
- 15:00 - Coffee/tea break
- 15:30 - Practical exercises about data cleaning and georeferencing
- 17:00 - Close of the session.

### **Day 5: Georeferencing and Dealing with sensitive data**

- 08:30 - Introduction to the concept of sensitive data and generalizing sensitive data
- 10:00 - Coffee/tea break
- 10:30 - The GBIF data architecture
- 11:30 - The GBIF Integrated Publishing Toolkit
- 12:30 - Lunch break
- 13:30 - Practical demonstration: connection the dataset produced by participants in the practical session to the GBIF Network using the GBIF Integrated Publishing Toolkit
- 14:30 - Coffee/tea break
- 15:00 - Course summary and questions and answers
- 15:30 - Course evaluation
- 16:00 - Closing ceremony for the course (Sam Kanyamibwa)