

Introduction to Biodiversity Informatics and Georeferencing Workshop

14 – 18 January 2017

[Mpala Research Centre](#)

Laikipia, Kenya

Instructor: Dr. Adam W. Ferguson; adamwferguson@gmail.com; Kenya (254) 770 159 951, USA (001) 325 227 2546

Workshop Objectives: The major goal of this workshop is to familiarize student participants with the goals of the project “Kenya’s other carnivores: Harnessing biodiversity data for effective development of national conservation strategies” funded through the Global Biodiversity Information Facility’s (GBIF) Biodiversity in Development program (Grant No. BID-AF2015-0124-SMA) and to provide training in fundamentals of biodiversity informatics, data digitization, and georeferencing specimen locality data.

Learning Outcomes:

Workshop participants should:

- (1) Understand what biodiversity informatics is and how it can be used to aid wildlife conservation efforts.
- (2) Know how to access and mobilize biodiversity data for wildlife conservation efforts.
- (3) Develop skills in digitization and georeferencing for object-based biodiversity data.
- (4) Obtain practical and applied skills for using biodiversity data for conserving wildlife.

Workshop Schedule:

Day	Topics & Schedule
Saturday Jan 14, 2017 Day 1	1200 Arrival of participants to Mpala Research Centre 1230 – 1300 Safety briefing/MRC orientation 1300 – 1400 Lunch 1600 – 1700 Project & participant introductions 1700 – 1930 Free time 1930 Dinner at River Camp
Sunday Jan 15, 2017 Day 2	0730 – 0830 Breakfast 0830 – 0900 Transport from River Camp to Lecture Hall 0900 – 0930 Opening Remarks: Dr. Dino Martins, Director MRC 0930 – 1030 Lecture & Discussion: What is Biodiversity Informatics? 1030 – 1100 Tea break 1100 – 1300 Lecture & Discussion: Application & Kinds of Biodiversity Data 1300 – 1400 Lunch 1400 – 1600 Lecture & Activity: Taxonomy & Biodiversity Data Guest Lecture: Importance of Taxonomy for Biodiversity Data Dr. Molly M. McDonough, Smithsonian Institution 1600 – 1700 Break 1700 – 1900 Activity cont.: Obtaining Digitally Available Biodiversity Data 1900 Return to River Camp 1930 Dinner at River Camp 2030 – 2200 Free time to continue with exercise



This programme is funded by the [European Union](#)

Monday Jan 16, 2017 Day 3	0730 – 0830 Breakfast 0830 – 0900 Transport from River Camp to Lecture Hall 0900 – 1000 Lecture & Discussion: Introduction to Data Digitization 1000 – 1100 Tea break 1100 – 1200 Lecture & Discussion: Darwin Core & Intro to Databases 1200 – 1300 Guest Lecture: Notes from the field: Informatics beyond the museum walls, Dr. Truman Young, UC Davis 1400 – 1600 Lecture & Activity: Data Digitization (GMU student visit?) 1600 – 1700 Break 1700 – 1900 Activity cont.: Data Digitization and Entry 1900 Return to River Camp 1930 Dinner at River Camp 2030 – 2200 Free time to continue with exercise
Tuesday Jan 17, 2017 Day 4	0730 – 0830 Breakfast 0830 – 0900 Transport from River Camp to Lecture Hall 0900 – 1000 Lecture & Discussion: Introduction to Georeferencing 1000 – 1100 Tea break 1100 – 1300 Lecture & Discussion: Best Practices & Locality Types 1300 – 1400 Lunch 1400 – 1600 Lecture & Activity: GEOLocate Software Use 1600 – 1700 Break 1700 – 1915 Activity cont.: Georeferencing Small Carnivore Data 1915 – 2045 Night drive to spot small carnivores 2100 Dinner at River Camp 2100 – 2200 Free time to continue with exercise
Wednesday Jan 18, 2017 Day 5	0630 – 0830 Game Drive 0830 – 0930 Breakfast 0930 – 1030 Workshop Summary & Project Assignments 1030 – 1130 Tea break 1130 Departure from Mpala Research Centre

Project Partners:

Dr. Dino J. Martins, Director, Mpala Research Centre
Mr. Bernard Agwanda, Mammal Curator, National Museums of Kenya
Dr. Francis Oguya, Node Manager- KenBIF, National Museums of Kenya
Dr. Geoffrey Mwachala, Head of Delegation, GBIF, National Museums of Kenya
Ms. Monica Chege, Carnivore Liaison Officer, Kenya Wildlife Service
Mr. Linus Kariuki, Endangered Species Coordinator, Kenya Wildlife Service
Dr. Joseph Mugo Mware, Dean School of Natural Resources & Env Science, Karatina University
Dr. Albert Mwangi, Head of Department Natural Resources, Karatina University
Dr. Duncan Kimuyu, Lecturer, Karatina University
Mr. Dedan Ngatia, MSc Student, Karatina University
Dr. Andrés Lira Noriega, Investigator, Instituto de Ecología
Dr. A. Townsend Peterson, Professor, University of Kansas



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