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BID Africa 1 – Small Grant Template
Mid-term narrative report

Instructions

- Fill the template below with relevant information. If no result has been achieved on a specific point, please indicate it as "no result achieved yet"
- Use the information included in your project Full proposal (reproduced in annex III.a. of your BID contract) as a baseline from which to complete this template
- The information provided below must correspond to the financial information that appears in the financial report
- Sources of verification are for example links to relevant digital documents, news/newsletters, brochures, copies of agreements with data holding institutions, workshop related documents, pictures, etc.
- This report must <u>first</u> be sent as a Word document to BID@GBIF.org and be pre-approved by GBIFS
- Once this report is pre-approved in writing by GBIFS, it must be signed by the BID project coordinator and sent by post to:

  The Global Biodiversity Information Facility Secretariat (GBIFS)

  Universitetsparken 15

  DK-2100 Copenhagen Ø

  Denmark

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Template

1. Table of Contents

2. Project Description

2.1. Principal investigator and grant coordinator: Institution/network/agency name:

2.2. Principal investigator name and role: Dr. Charles N. Lange; Role – Data Mining, Data Management, analysis, reports development and submission to GBIF.

2.3. BID proposal identifier: BID-AF2015-0045-SMA

2.4. Project title: Mobilizing freshwater snails' biodiversity datasets for advancing biodiversity knowledge access, conservation and human wellbeing in Kenya.

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2.5. Start date and end date of the reporting period: Ist June 2016 – 30th November, 2016

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2.6. Country(ies) in which the activities take place: Kenya

3. Overview of results

3.1. Executive summary

This ongoing project sought to mobilize freshwater snails data from seocndary sources particularly collections at the National Museums of Kenya and other relevant institutions including mining data from literature. The National Museums of Kenya hold the largest collection of freshwater snails in Kenya. The first project activity therefore focused on mining data from collections at the National Musuems of Kenya with the assitance of the Project assistant who is a technician at the National Museums of Kenya. This activity ran paralell with data mining from various literature sources such as published books, research papers and internet (www) including data mining from other institutions collections which is still ongoing as new data sources are traced. So far, data mining has yielded 26 species comprising of 38286 specimens of freshwater snails from the collection held at the National Museums of Kenya. Most of the taxon names were matched with locality names and sometimes GPS points. Data from literature sources is being consolidated and account of species and specimens from literature sources will be merged with the collection. Currently the manually retrieved data is being entered in to eletronic database and only 30% is remaining to be entered. Once data entry to eletronic databse is completed, the prinicapl Investigator will undertake quality checks, cleaning, tretament in prepration for publications and process of loading the data to the open access platform. The key outcomes of the proect so far are increase in freshwater snials data knowledge and access. The Kenyan freshwater snails data has previously been scattered in cabinets and literature and there existed no consolidated detailed database comparable to the database that is being produced through this project.   The project continues.

Give a short summary of the activities implemented and the outcomes of the project for the reporting period (no more than ½ page).

< BID-AF2015-0045-SMA >   <01/06/2016 - 30/11/2016>

3.2. Progress against expected milestones:

Expected milestones/activities	Completed? Yes/No	Explanatory notes	Sources of verification
Completed capacity self-assessment questionnaire for data holding institutions (http://www.gbif.org/resource/82785)	Yes	From completed and submitted to GBIF on time	GBIF archive on project reports
The instituton that will publish your data is registered with GBIF.org For registered data publishers see: http://www.gbif.org/publisher/search	Yes	National Museums of Kenya is the national Node for GBIF in Kenya and the institution to pubish the project data (http://www.gbif.org/publisher/fd515d3a-b237-42de-bba6-760008580da5)	See list of institutions registered on GBIF website
The data users identified in the full proposal have documented their intended use of the mobilized data and provided early feedback	Yes	NEMA has lined wetlands management plans for development and review and will use this project information among others	See NEMA Stratetgic plan2013-2018 (online – www.nema.go.ke – click on about us) on wetands management plans lined for actions

3.3. Datasets published on GBIF.org

If the dataset is not yet published, please indicate the name of the institution that is expected to host the data when published in the column "DOI or URL/Planned hosting institution". Add as many rows as needed.

Dataset title	Publishing institution	DOI or URL/Planned hosting institution	Date/expected date of publication	Explanatory notes
Taxon datasets	National Museums of Kenya	National Museums of Kenya	30/4/2017	Scheduled
Locality/GPS datasets	National Museums of Kenya	National Museums of Kenya	30/4/2017	Scheduled
Specimens datasets	National Museums of Kenya	National Museums of Kenya	30/4/2017	Scheduled
Ecological datasets	National Museums of Kenya	National Museums of Kenya	30/4/2017	Scheduled

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3.4. Examples of use of biodiversity data available through GBIF

Use the table to document use or planned use of data available through GBIF as part of your project. Please provide the DOI for datasets published on GBIF or data downloaded from GBIF in the "Dataset" column. Briefly describe how the data have been used or are planned to be used in the "Data use" column (ca. 50 words). Provide the date or approximate time frame in months for the use or planned use in the "Date/time frame" column. Please provide links to any documents or webpages documenting the use in the "Sources of verification" column. Add as many rows as needed.

Dataset	Data user	Data use	Date/time frame	Sources of verification	Notes
Freshwater snail Taxon datasets	National Museums of Kenya and National Environment Management Authority _ Relevant Technical staff	Enriching current freshwater snail data knowledge - particularly on freshwater biodiversity (Diversity)	Jan – Feb 2017	Species list available for NEMA MEAs portal of CHM for use by researchers, students and conservationists	
Freshwater snail Locality/GPS datasets	National Museums of Kenya and National Environment Management Authority _ Relevant Technical staff	Enriching current freshwater snail data knowledge - particularly on freshwater snail distribution (Distribution patterns)	Jan. – March 2017	Species Distribution patterns maps available for health and biodiversity conservation officials for use in biodiversity and human health promotion	
Freshwater snail Specimens datasets	National Museums of Kenya and National Environment Management Authority _ Relevant Technical staff	Enriching current freshwater snail data knowledge - particularly on freshwater snail rarity (Rare, likely threatened and Dominate species)	Jan – March 2017	Data used in the development of the state of Environment report and review of species conservation station	
Ecological datasets	National Museums of Kenya and National Environment	Species information for application in freshwater snail conservation	Jan – Feb 2017	Data used in the development of the state of	

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	Management Authority _ Relevant Technical staff			Environment report and review of species conservation station	

3.5. Events organized as part of the project

List all the events that have been organized as part of your project. Please provide links to any documents or webpages documenting the use in the "Sources of verification" column. Add as many rows as needed.

Full title	Organizing institution	Dates	Number of participants	Sources of verification
Satekeholder sharing workshop	NMK	Feb. 2017	10 -20	See project workplan
Techncial presentation in an internal meeting at NMK	NMK	Jan, 2017	15 -30	Advert will be porduced and posted at NMK website and notice boards
Techncial presentation in an internal meeting at NEMA	NEMA	Feb, 2017	15 - 30	Advert will be porduced and posted at NEMA notice boards

4. Implementation of BID project activities

Refer to section 2.2 "Deliverables, activities and reporting criteria" in your BID full proposal. Provide updates on each of the activities using the reporting criteria and other sources of verification as appropriate.
Sources of verification are for example links to relevant digital document, news, newsletter, brochures, copies of agreements with data holding institutions, workshop related documents, pictures, etc.

4.1. Goal 1: Increase available biodiversity data, within and beyond the grant period

Activity 1 name: Museum collections data mining

Description of any implementation during the reporting period

Data Mining and been progressing well. All freshwater snail datasets (Taxon, specimens, locality and ecological data) captured from NMK. Data collection from other institutions collections ongoing.
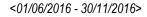
Sources of verification

Notes of Data compilation and excel sheets of data which can be scanned

Activity 2 name: Screening literature sources

Description of any implementation during the reporting period

Data mining from secondary scources undertaken from sources traced (Books, www and scientifc publications). Any other data traced from various sources is also being captured and data updated.

Sources of verification

Data entry notes and excel database.

Activity 3 *name*: Data entry to electronic database

Description of any implementation during the reporting period
70% 0f the data captured or mined from collections and secondary sources entered in excel database. The 30% remaining to be completed by December, 2016

4.2. Goal 2: Apply biodiversity data in response to conservation priorities

Activity 1 name: Threatened species maps development/updating and revised species conservation status proposals.

Description of any implementation during the reporting period
Scheduled

Sources of verification
N/A

Activity 2 name: CHM data enhancement

Description of any implementation during the reporting period
Scheduled

Sources of verification
N/A

Activity 3 name: Provision of data for the State of Environment report (SoE) development

Description of any implementation during the reporting period
Scheduled for next SoE 2016/17

Sources of verification
N/A

5. Updated calendar for the BID project implementation and evaluation period

The calendar should be completed in the same way as in the Full Project Proposal, but should include any expected changes. Provide reasons for any expected changes in section 5.1 'Explanatory Notes'.

Implementation period (maximum 14 months, starting 1 June 2016 at the earliest)																									
Implementation period start date and end date (dd/mm/yy)	1st June 2016 – 30th May 2017																								
Activity	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	**Notes**
Mid-term evaluation & reporting						X																			This report
Mining of Museum data	X	X	X	X	X	X																			Done
Screening literature sources		X	X	X	X	X																			Done but updating any new information traced
Data entry to electronic database	X	X	X	X	X	X	X	X																	Ongoing
Data cleaning and treatment								X	X	X															Scheduled
Development of publication/s									X	X	X														Scheduled
Stakeholder forum for project information sharing									X	X	X														Scheduled
Loading data to GBIF open access platform											X	X													Scheduled

Evaluation period (maximum 6 months, ending 31 December 2017 at the latest)							
Evaluation period start date and end date (dd/mm/yy)	1st June – 2017 – 31st October, 2017						
Activity	1	2	3	4	5	6	**Notes**
Final financial and narrative reporting development	X	X	X	X			
Project technical report development	X	X	X	X			
Financial report submission to GBIF					X	x	Scheduled
Technical report submission to GBIF					X	x	Scheduled

5.1. Explanatory notes: The project is progressing well and planned activties are as per schedule

Beneficiaries/affiliated entities and other cooperation

5.2. Relationship with project partners
Please describe the relationship between your project coordinating team/institution and your project partners, and with any other organisations involved in implementing your BID project.

The National Museums of Kenya (NMK) which is the Lead institution in this BID project is collaborating with the National Environment Management Authority (NEMA) and have traditionally held mutual relationship involving data sharing for advancing environment management.   The current BID project serves to strengthen this corporation through joint freshwater snails data mobilization for application in advancing biodiversity information knowledge, access and environmental conservation. NMK is allowing data mobilization from the institution extensive collections and will share this data with NEMA for application in the development or review of the environmental management plans, policy and preparation of the State of Environment report among other environmental management undertakings. Contacts will be made with other BID supported projects in Kenya such as "Mobilizing biodiversity information from Kenya Wildlife Service" and Kenya's other carnivores: harnessing biodiversity data for effective development of national conservation strategies for experience sharing and networking.

5.3. Links to other projects and actions
The National Musuems of Kenya in colloboration with institutions in Africa has also received other GBIF funding.   In particualr, the Africa Insect Atlas where NMK invertebrates section is collaborating with other African institutions is being undertaken by colleagues at NMK.   Working closely in the same collections, we are sharing experiences and building synergies data mining from the collections and any challenges that arise we discuss and find mechanisms for addressing the challenges. Futher, the PI in this project has an active project on assessing the populaiton status and ecology of an endnagered freshwater snail species (Eussoia inopina) from Eastern Kenya. The results from this project are contributng in enriching the result of this BID project and therefore there is a good link between the Eussoia inopina project and this BID project. *Visibility*

Please refer to the [BID guidelines](#)

5.4. Visibility of the BID project
How is the visibility of your BID project being ensured?

Short summary

At the local level, this BID project was circulated via NMK (KenBIF node) communication to NMK and associated collaborators via email that was circulated to staff and NMK partners. At an international level, the project is listed in GBIF platform for visibility internationally. Further project visibilities are expected via stakeholder forums and presentations to local and international dissemination platforms i.e. publication and symposium presentations. The NMK and NEMA education and public communication sections will be used as avenues for increasing the project visibility through these section public programmes (education and other publicity programmes)

Sources of verification

KenBIF node – can be found at KenBIF communicaiton platforms i.e emails – can trace the email and share.

5.5. Visibility of the EU contribution

Acknowldgement of EU to be done on all publications and presentaitons

Short summary

Not yet

Sources of verification

N/A