



BID Africa 1 – National Grant Template

Early Progress narrative report

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2. Project Description

2.1. Project Coordinator: Institution/network/agency name:

Kenya Wildlife Service (KWS)

2.2. Main contact person and role:

Dr. Samuel Kasiki - Deputy Director, Biodiversity Research & Monitoring

2.3. BID proposal identifier:

BID-AF2015-0035-NAC

2.4. Project title:

Organizing and mobilizing biodiversity information from the Kenya Wildlife Service

2.5. Start date and end date of the reporting period:

01/07/16 to 30/11/2016

2.6. Country in which the activities take place:

Kenya





3. Overview of results

3.1. Executive summary

To date the following two activities have been implemented although not completely. The first activity comprised participation in the BID Capacity Enhancement Workshop that was held in Kigali, Rwanda from 22nd-25th August, 2016. The second activity comprised the organization of an inception workshop and which was held from 27th-30th September, 2016 in Nairobi, Kenya.

One of the outcomes from the BID Capacity Enhancement workshop was increased knowledge in biodiversity data digitizing, cleaning and publishing on the Internet using the Integrated Publishing Toolkit (IPT). For the inception workshop, one of the outcomes was the creation of awareness about GBIF and BID to KWS Scientists. A further outcome was a better understanding about the biodiversity related datasets that exist in Kenya Wildlife Service's (KWS) field stations and also at Nature Kenya. In addition, dissemination of knowledge on Darwin Core and the OpenRefine tool to KWS Scientists.

3.2. Progress against expected milestones:

Expected milestones/activities	Completed? Yes/No	Explanatory notes	Sources of verification
Completed capacity self-assessment questionnaire for national biodiversity information facilities (www.gbif.org/resource/82277).	Yes		Submitted self-assessment
At least three national data publishing institutions are registered with GBIF.org For registered data publishers see: http://www.gbif.org/publisher/search	No	There are 3 partners in this project viz: 1. Kenya Wildlife Service 2. National Museums of Kenya (NMK) 3. Nature Kenya (NK) Of the above 3: . NMK is a registered publisher . KWS has now registered and is waiting for endorsement. . For NK, KWS has made an appeal to them to register. KWS will continue to follow up closely with NK so that they can register.	Communication from GBIF on successful registration
At least one person from the project team has completed the certification process following the first BID Capacity Enhancement workshop	Yes	Have now completed and submitted the third and final assignment emanating from the first BID Capacity Enhancement Workshop.	Answer sheets





<p>Knowledge dissemination activities have been scheduled following the first BID Capacity Enhancement workshop</p>	<p>Yes</p>	<p>At an inception workshop attended by Kenya Wildlife Service and Nature Kenya, disseminated knowledge on GBIF, BID and the knowledge gained during the Enhancement workshop in Kigali.</p> <p>Further dissemination will be done as additional activities of the project are undertaken.</p>	<p>Power Point Presentation made during the inception workshop. Initially National Museums of Kenya were supposed to have made the presentation on GBIF but since they did not attend the inception workshop, I had to do the presentation.</p>
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3.3. Datasets published on GBIF.org

It is useful to mention that in the first draft report I included the two datasets for which I had most certainty in obtaining. For the other datasets there is going to be some negotiation with the data custodians internally and externally. As KWS we shall be working on this in the next three months. This means that during the next reporting period the report will be more representative of all partners as we shall have had meetings with them and discussed on the data mobilization.

Now, to avoid the impression that we have dropped some of the datasets in the contract, I have put them back in the table below.

In terms of update of plans in view of the Biodiversity Capacity Enhancement Workshop, we shall initially stay with the datasets contained in the contract. It is on these that we shall bring to bear the skills learnt under the enhancement workshop.

Dataset title	Publishing institution	DOI or URL/Planned hosting institution	Date/ expected date of publication	Explanatory notes
Aerial Census	KWS	KWS	Pilot - Feb 2017 Full publish - Oct, 2017	Dataset is on large mammals that are counted during aerial censuses. It is for major ecosystems in Kenya and a bit of Tanzania. The ecosystems include Tsavo-Mkomazi, Amboseli-West Kilimanjaro and Laikipia-Samburu. The data are for the period 2000 - 2010. They are





				in ArcGIS Shapefile format.
Ground Census	KWS	KWS	Oct, 2017	Dataset is on large mammals for ground censuses conducted in various conservation areas that include Nairobi and Lake Nakuru National Parks. The data are for the period 2000-2013. They are in Microsoft Excel format. They do not have GPS coordinates
Marsabit Forest Ecosystem Plants	KWS	KWS	Oct, 2017	The checklist is for the Marsabit Forest Ecosystem which is in Northern Kenya. It is in MS Word format. The checklist is for data collected in 2014-15.
Mt. Kenya Forest Ecosystem	KWS	KWS	Oct, 2017	The checklist is for Sirimon and Chogoria sectors of the Mt. Kenya Ecosystem. The checklist is for data collected in 2015 and is in MS Word.
Zoology collection data	NMK	NMK	Oct 2017	Birds, mammals, reptiles/amphibians, fishes, bones and invertebrates preserved as dry and wet collections
Botany collection data	NMK	NMK	Oct 2017	Reference collections preserved as herbarium materials, metadata, reports
Kenya Bird Map	NK	NK	Oct 2017	Data on birds at national level. Data is from 2014 to present. It is geo-referenced and is in MS Excel format
Important Bird Areas	NK	NK	Oct 2017	Data on birds at global level. Data is from 1999 to present. It is geo-referenced and is in MS Excel format



3.4. Examples of use of biodiversity data available through GBIF

Dataset	Data user	Data use	Date/ time frame	Sources of verification	Notes
Doi:10.15468/aomfnb	KWS	Examine data with a view to complementing KWS datasets	6 months		KWS mainly has data on large mammals. KWS plans to investigate GBIF's data on other major taxa (birds, plants, reptiles/amphibians, fish, insects and micro-organisms) with a view to enriching its data on these taxa. These data will be used to improve the data that KWS will be organizing and mobilizing during this project. Further, the data will be evaluated with a view to incorporating it into Wildlife Protected Area Management Plans.
Doi:10.15468/ib5ypt	KWS	Examine data with a view to complementing KWS datasets	6 months		Ditto
Doi:10.15468/2rlrvh	KWS	Examine data with a view to complementing KWS datasets	6 months		Ditto
Doi:10.15468/bvoyqy	KWS	Examine data with a view to complementing KWS datasets	6 months		Ditto
Doi:10.15468/dl.6tiroy	NK	Enhance its data on birds with data from other taxa.	6 months		In its proposal under BID, NK had expressed great interest in expanding its datasets to include other taxa outside birds. This dataset would move NK in that direction.





	NMK	Enhance its data on large mammals	12 months		Through this project KWS will mobilize data on large mammals. Since NMK has in general not dealt with large mammals, it is expected that they will have great interest in the large mammal dataset that KWS will provide. There is no DOI for this dataset as it hasn't been published yet.
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3.5. Events organized as part of the project

Full title	Organizing institution	Dates	Number of participants	Sources of verification
Data Organization Workshop	Kenya Wildlife Service	27-30 September, 2016	30	. Draft workshop report . Photographs . Power Point Presentations

4. Implementation of BID project activities

4.1. Goal 1: Establish or strengthen national biodiversity information facility

Activity 1 name: Biodiversity Training

Description of any implementation during the reporting period

Not achieved yet

Sources of verification

None

4.2. Goal 2: Increase available biodiversity data, within and beyond the grant period

Activity 1 name: Data Mobilization

Description of any implementation during the reporting period

1. Create awareness about the project and including its objectives;

Under this activity an inception workshop was held at The Cooperative University College of Kenya from 27th-30th September, 2016. The workshop drew participants from KWS and Nature Kenya. Although the National Museums of Kenya were invited to the workshop they





did not attend. They said that all their key people that would have attended the workshop were busy elsewhere.

Verification: Power Point presentation that was done during the workshop (attached).

2. Demonstrate GBIF and KenBIF data;

First, created awareness about GBIF during the above presentation. Later in the workshop, showed how a GBIF dataset looks like by going through the metadata of a published GBIF dataset.

Did not demonstrate KenBIF as this was supposed to have been done by National Museums of Kenya and who did not attend the workshop;

Verification: Above Power Point Presentation.

3. Determine biodiversity information user needs for policy makers, national priorities, Protected Area Managers, GBIF, KenBIF, researchers and other stakeholders that include communities living adjacent to WPAs;

Determined the user needs for KWS Researchers by listing the datasets that they considered to be the most important and which need to be better organized. Did not get to determine the user needs for the other stakeholders. Will determine the needs of the other stakeholders in the next 3 months.

Verification: The list of prioritized datasets by Researchers is to be found at the bottom of the Draft Workshop Report.

4. List biodiversity data holdings for KWS and its partners;

As indicated in the Workshop Programme (attached), KWS Scientists from 5 Conservation Areas made presentations on the datasets that they have under their custody. One Scientist from the KWS Headquarters also made a presentation. In addition, Nature Kenya presented on its datasets.

Verification: Presentations are attached except for three KWS presentations for the Mountain Conservation Area, Southern Conservation Area and Western Conservation Area. The Mountain Conservation Area Scientist did in fact make a presentation but did not provide a copy. A reminder has been sent to him to provide the presentation.

5. Identify data gaps viz a viz identified user needs;

This was not done explicitly. However, when determining which were the most important datasets for which KWS needed to organize data, the user needs were addressed to a reasonable extent.

Verification: The list of prioritized datasets at the end of the Draft Workshop Report.

6. List formats for existing datasets;

From the presentations made, it came out that KWS datasets in its field stations are in MS EXCEL format. The Nature Kenya datasets are in a database format and on a Web platform.





Verification: By going through the Power Point Presentations, one learns that the datasets are in MS EXCEL. From the Nature Kenya presentation one can deduce that the datasets are in a database format and on a Web platform.

7. List quality of available datasets:

The quality of the datasets was to a large extent not addressed except in the case of KWS Central Rift Conservation Area. Data quality will now be addressed again during the data cleaning stage.

Verification: From the Central Rift Conservation Area presentation, one can see a statement on quality.

8. Determine accessibility of data and mainly under 3 categories (confidential, restricted and open)

This was not done directly. The change in plan was to avoid a protracted discussion before participants had appreciated the objectives of the project and the importance of GBIF and BID.

9. Formulate data sharing policy

This was partially done though verbally. Participants agreed that the sharing would be concretized in writing at a later date. This will be scheduled for April, 2017.

10. Determine the frequency to update data

There was agreement on this and the frequency varies from dataset to dataset.

Verification: See Data Organization template at the end of the Draft Workshop Report (attached).

11. Constitute data management technical committee.

Participants agreed that for KWS, this should comprise the 8 KWS Senior Scientists that are found in KWS' eight Conservation Areas. For Nature Kenya, Paul Gacheru will be the representative. For National Museums of Kenya it will most likely be Dr. Oguya but this is still to be confirmed. It should be possible to get the confirmation by the end of December, 2016.

12. Write inception workshop report

A draft was done. The final report is now scheduled to be done by end of March, 2017.

Verification: The Draft Report is attached.

4.3. Goal 3: Apply biodiversity data in response to national priorities – *Not yet achieved*





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 24 months, starting 1 June 2016 at the earliest)																											
Implementation period start date and end date (dd/mm/yy)																											
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		
BID Capacity Enhancement workshop 1		X																									
6-month progress analysis						X																					
Mid-term evaluation & reporting											X	X															
INCREASE AVAILABLE BIODIVERSITY DATA																											
Preliminaries:																											
Database Mobilization																											
• Create awareness on project			█																								
• Demonstrate GBIF and KenBIF data			█																								
• Determine biodiversity information user needs			█			█	█																				
• List biodiversity datasets for KWS and partners			█			█	█																				
• Identify data gaps viz a viz identified user needs			█			█	█																				
• List formats for existing datasets			█			█	█																				
• List quality of available datasets			█			█	█																				
• Determine accessibility of data (open, restricted, confidential)											█																
• Formulate data sharing policy											█																



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



5.1. Explanatory notes:

In the calendar it will be noted that one of the activities whose timing has been changed is the data sharing policy. The reason for this is that before this BID Project, KWS had started on the development of a biodiversity information policy. This is bound to have a significant impact on the data sharing policy. It is likely that that the information policy will be completed by May, 2017. The strategy therefore is to develop the data sharing policy after the information policy is done.





6. Beneficiaries/affiliated entities and other cooperation

6.1. Relationship with project partners

The relationship between KWS and its partners in this project (National Museums of Kenya (NMK) and Nature Kenya (NK)) is good. That said it is useful to mention that NMK did not attend the aforementioned inception workshop during which they were expected to make a detailed presentation on GBIF and also on the data holdings that are under their custody.

During the next few months of the project, KWS will be engaging NMK and NK more intensely with regard to the data records that we expect them to mobilize.

6.2. Links to other projects and actions

Traditionally, KWS has had strong links with its two partners in this project (National Museums of Kenya (NMK) and Nature Kenya (NK)). With the NMK it has conducted biodiversity inventories in places such as Marsabit Forest, Tsavo National Park and Shimba Hills National Reserve. With NK, KWS has continued to conduct water bird counts in Kenya's Rift Valley Lakes.

For this project and as mentioned above, NK attended the inception workshop and made a good presentation on their datasets. Since then KWS has met with NK's Executive Director, Dr. Matiku and agreed to meet in the next three weeks to discuss more closely on the activities that NK will be undertaking in this project.

Although NMK did not attend the inception workshop, KWS has since talked with Dr. Oguya, Kenya's GBIF Node Manager and agreed to meet to look at the activities that NMK will be undertaking in the project.

Whereas there will be one on one meetings with the two partners, KWS will also be convening a meeting where all the three partners can discuss together on the goals to achieve for this project. KWS will also be reaching out to those others who are involved in BID-funded projects in Kenya.

7. Visibility

Please refer to the [BID guidelines](#).

7.1. Visibility of the BID project

Short summary

During internal communications on this project to the KWS Director General and the Finance Division we have been creating awareness about BID, GBIF and the funding that the European Union has provided.

During the Inception Workshop referred to above, the following words were contained in the title of the Workshop Programme. **"FINANCIAL SUPPORT BY THE EUROPEAN UNION THROUGH THE GBIF-BID PROGRAMME"**.

More visibility will come into being as we continue to engage more stakeholders in the ensuing months.

Sources of verification

Workshop Programme attached with the rest of the verification documents.





7.2. Visibility of the EU contribution

Short summary

To date the visibility has been through communicating to the KWS Director General, KWS Finance Division and KWS scientists that this project is being funded by the European Union.

