BID Africa 2017 – Small Grant Template
Midterm 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" and **indicate expected date of completion**
- Use the information included in your project Full proposal (reproduced in annex III 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 direct links to relevant digital documents, news/newsletters, brochures, copies of agreements with data holding institutions, workshop related documents, pictures, etc. **Please provide access to all mentioned sources of verification** by either providing <u>direct link</u> or sending a copy of the documents.
- 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

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2. Project Information

2.1. Project Coordinator: Institution/network/agency name: Natural History Museum of Zimbabwe

2.2. Main contact person and role: Tsitsi S Maponga (Assistant Curator of Mammalogy)

2.3. BID proposal identifier: BID-AF2017-0052-SMA

2.4. Project title: Making the mammalogy wet collection (particularly bat collection) at the Natural History Museum of Zimbabwe accessible through GBIF by end of 2018

2.5. Start date and end date of the reporting period:01/10/2017-31/12/2018

2.6. Country in which the activities take place:Zimbabwe

3. Overview of results

3.1. Executive summary

Give a short summary of the activities implemented and the outcomes of the project for the reporting period (500 words maximum)

62 bat species (30 genus' and 10 families) from over 4000 specimens in the wet collection have been digitized and the previously published checklist (published in January) was updated in May 2018. The data was digitized according to the Darwin Core standards and cleaned on excel and further cleaned on open refine. The specimen records were also Geo-referenced at country level so far and checked for taxonomic errors. Data has been uploaded into our database system on SPECIFY 6 was installed. The 4000 specimen records will be made available on the GBIF IPT by end of August, but data will be uploaded in batches so that part of the data is made available to all our stakeholders. We hope to continue creating maps that can all be uploaded on our website for easy accessibility and the link made available through the IPT.

With regards to capacity building, the assistant Curator attended a Biodiversity Data Use for Decision Making workshop which was held in Cape Town from the 9th to the 13th of April 2018. The workshop focused on data quality and standards, spatial analysis and decision making. The assistant curator also attended another workshop on ecological niche modelling which was held in Madagascar.

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3.2. Progress against expected milestones:
Give an overview of all the expected milestones for your project from the beginning until now (see Annex IV of your contract)

Expected milestones/activities	Completed? Yes/No	Explanatory notes	Sources of verification
Completed capacity self-assessment questionnaire for data holding institutions https://www.gbif.org/document/82785/self-assessment-guidelines-for-data-holding-institutions (EN) https://www.gbif.org/document/82813/modele-dauto-evaluation-pour-les-institutions-detentrices-de-donnees (FR) (***Early Progress report milestone***)	Yes		
At least one national data publishing institutions are registered with GBIF.org Guidelines to become a publisher: https://www.gbif.org/become-a-publisher (***Early Progress report milestone***)	Yes		http://www.gbif.org/publisher/5f2df235-914f-4cc9-b247-08fb981e8b8a
At least one person from the project team has completed the certification process following the BID Capacity Enhancement workshop on Data Mobilization organized as a part of the BID programme Africa 2015 or the BID programme Africa 2017 (***Early Progress report milestone***)	Yes	The project leader was certified in 2015 during the BID Capacity Enhancement workshop.	
Knowledge dissemination activities have been scheduled following the first BID Capacity Enhancement workshop	Yes	A biodiversity digitization workshop was hosted from 16-19 January 2018 at the Natural History Museum. Bindura University also	https://www.facebook.com/pg/NHMZimbabwe/photos/?tab=album&album_id=1595574997223440

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(***Early Progress report milestone***)		attended this workshop.	
At least one dataset has been published to GBIF.org (***Midterm report milestone***)	Yes and No	A checklist of 62 species, 30 genus' and 10 families for 4000 specimens have been published on GBIF. The 4000 records will be made available by the end of August 2018.	http://www.nhmbyo.co.zw/ipt/resource?r=checklist_of_bats_housed_at_the_natural_history_museum_of_zimbabwe
The data users identified in the full proposal have documented their intended use of the mobilized data and provided early feedback (***Midterm report milestone***)	No	We are hoping that during the Decision making and ecological niche workshop, we will discuss data uses further, and secure intention of use.	

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3.3. Project deliverables and activities

Refer to the table in section 2.2 "Deliverables, activities and reporting criteria" of your BID full proposal. Provide updates on the status of each of planned deliverables. In the event of unexpected delay, please provide detailed explanatory notes and indicate planned completion date. Add as many rows as needed.

Deliverable	Related activity	Completed ? Yes/No	Explanatory notes	Sources of verification
6000 mammalogy specimens records digitized and Geo-referenced into a functional database system in SPECIFY 6 and uploaded to GBIF	Data digitization and mobilization	Yes and No	Part of the data has been published as a checklist on the GBIF IPT i.e. 62 species, from 30 genus' and 10 families comprising of 4000 specimens has been published on our IPT hosted by GBIF. This data has been georeferenced to country level and currently we are working on longitude and latitude which will not be published on the GBIF website but maps will instead be made available showing the localities. Only the city or town will be made available through GBIF simlar to the other dataset published on the IPT.	http://www.nhmbyo.co.zw/ipt/resource?r=checklist_of_bats_housed_at_the_natural_history_museum_of_zimbabwe
25 Museum staff and 2 staff from the National Parks and Wildlife Authority and 20 undergraduate students from the National University of Science and Technology will be trained on digitization (refresher course) GIS tools, and Ecological modelling techniques and how to access biodiversity data from GBIF The assistant Curator attended two capacity enhancement workshops in Madagascar and Cape Town, South Africa.	Training and capacity building.	Yes and No	The biodiversity digitization (refresher course) workshop was conducted on the 16-19th of January 2018. This was facilitated by the principal investigator for mammalogy and for the fresh water project. Bindura University also attended this workshop. The Biodiversity Data Use for Decision Making follow-up digitization workshop was held in Cape Town from the 9th to the 13th of April 2018. The workshop focused on data quality and standards, spatial analysis and decision making. The other workshop on ecological niche modelling which was held in Madagascar and the project	https://www.facebook.com/pg/NHMZimbabwe/photos/?tab=album&album_id=1595574997223440

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			coordinator now has an appreciation of QGIS and Maxent which are a good starting curve to use our collections as baselines and comparisons for future projections. There maybe more need, for the project coordinator to engage in extensive GIS training in the future, for the best output of results.	
Historical species metadata and checklists for at-least 20 mammalian families of rodents and bats that are housed in the natural History Museum of Zimbabwe.	Applying biodiversity data in decision-making processes	Yes and No	62 species, in 30 genus', and 10 families of bats have been published as a checklist on the GBIF IPT. Currently work is being done to document more specimens particularly rodents in our wet collection.	http://www.nhmbyo.co.zw/ipt/resource?r=checklist_of_bats_housed_at_the_natural_history_museum_of_zimbabwe

3.4. Datasets published on GBIF.org

Refer to the table in section 2.4 "Biodiversity data mobilization plan" of your BID full proposal. 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
Checklist of bats housed at the Natural History Museum of Zimbabwe	Natural History Museum	http://www.nhmbyo.co.zw/ipt/resource?r=checklist_of_bats_housed_at_the_natural_history_museum_of_zimbabwe		More species were added onto the previously published dataset. Currently we now have 62 species, 30 genus' and 10 families published on our IPT and these are from 4000 bat specimens.

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3.5. 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. You may want to refer to the section 2.5 "Plan to support the integration of biodiversity information into policy and decision-making processes" of your BID full proposal. Please provide the DOI for datasets downloaded from GBIF in the "Contributing dataset(s)" column. Briefly describe how the data contribute or are planned to contribute in the "targeted application" column (ca. 50 words). Provide the date or approximate timeframe in months for the completion of activity in the "Date/time frame" column. Timeframe indicated may be after the completion of the project unless targeted application is one of the deliverables 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.

Targeted application	Data user	Contributing dataset(s)	Date/time frame	Sources of verification	Notes
With existing agreements, NUST has access to our data for its students as they do their final year dissertations.	Baseline data for registered undergraduate and Masters students.	Checklist of bats housed at the Natural History Museum of Zimbabwe		http://www.nhmbyo.co.zw/ipt/resource?r=checklist_of_bats_housed_at_the_natural_history_museum_of_zimbabwe	
National Parks has access to our database and can use the data to compare with the current trends.	The Department of Forestry and Wildlife Management	Checklist of bats housed at the Natural History Museum of Zimbabwe		http://www.nhmbyo.co.zw/ipt/resource?r=checklist_of_bats_housed_at_the_natural_history_museum_of_zimbabwe	
The department can use the data to map species according to where they were collected and to verify current trends.	Mammalogy department	Checklist of bats housed at the Natural History Museum of Zimbabwe		http://www.nhmbyo.co.zw/ipt/resource?r=checklist_of_bats_housed_at_the_natural_history_museum_of_zimbabwe	
Researchers have easy access to what is actually available in the museum without waiting long periods for responses. They also do not need to come down to the museum for basic inquiries about which species are found in the museum.	Local and International researchers	Checklist of bats housed at the Natural History Museum of Zimbabwe		http://www.nhmbyo.co.zw/ipt/resource?r=checklist_of_bats_housed_at_the_natural_history_museum_of_zimbabwe	

3.6. 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.

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Full title	Organizing institution	Dates	Number of participants	Sources of verification
Niche modelling workshop.	African Insect Atlas Madagascar division	31 January - 5 February 2018	15	
Data decision making and ecological niche modelling workshop	Natural History Museum	25 June – 29 July 2018	20	Pending

4. 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 4.1 'Explanatory Notes'.

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	**Notes**
Early Progress evaluation & reporting			x	x												
Refresher course on digitisation (including lessons learnt)				x												
Mid-term evaluation &reporting							X	X								
BID Capacity Enhancement workshop – Data mobilization and publication (Online training - Participation is mandatory)				x												
BID Capacity Enhancement workshop – Data use (Online training - Participation is mandatory)																
GIS and Ecological Niche modelling workshop					X											
Analogue to digital documentation	x	x	x	x	x	x	x	x	x	x	x	X				
Clean data, refine data, Georeference localities and confirm taxonomy with experts		x	x	x	x	x	x	x		x	x	X				
Report compilation and checklists				x								x	x	x	x	
Upload data to GBIF					x		x					x			x	

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Evaluation period start date and end date (dd/mm/yy)				
Activity	1	2	3	**Notes**
Final financial and narrative reporting		x	x	
<Activity name>				

4.1. Explanatory notes:

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5. Beneficiaries/affiliated entities and other cooperation

5.1. 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 NUST department of Forestry and Wildlife Management has a memorandum of understanding with museum in terms of research. We also conduct lectures on Mammalogy to their second year students. PhD, Masters and undergraduate students come and make use of our collection particularly the specimens. Now that we have a substantial amount of baseline data that is digital format they can utilise this resource. The data can also be used   in setting up sustainable conservation and monitoring strategies of biodiversity in Zimbabwe.

We also work with the ecologists from Matopos and Hwange National Park on their projects particularly in identifying specimens from scats from different species including birds. National Parks also has current trends of distribution which we also request, and our aim is that we provide a valuable database that they can also use to look at species trends.

5.2. Links to other projects and actions
Where applicable, outline any links and synergies you have developed with other actions, e.g. GBIF nodes, other BID funded projects, etc. If your organization has received previous grants in view of strengthening the same target group, to what extent has your BID project been able to build upon/complement the previous project(s) ?

The mammalogy project collaborated with entomology project (under project coordinator Kudzai Mafuwe) in conducting a workshop on bioinformatics which was held on the 16th to 19th of January 2018, at the Natural History Museum. Present was the team from Bindura. The project leader is also attending a workshop organised by the Entomology Regional project (African Insect Atlas) on ecological niche modelling and conservation outcomes, in Antananarivo, Madagascar.

6. Visibility

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

6.1. Visibility of the BID project

How is the visibility of your BID project being ensured?

Short summary

Before all the workshops started the BID was acknowledged alongside the Natural History Museum*.* Project leaders also explained to all participants how they got their funding and the nature of their projects. The materials used such as writing sheets also had the GBIF, EU, BID logo on them and the Biodiversity informatics workshop will be made public on the Natural History Museum facebook page and website. Promotional materials such as t-shirts pens, and folders were also made and given to the workshop participants. Similarly in all the papers that will be published these organisations will be acknowledged. Our findings and link to the IPT where our data is published will be shared on the museum website.

Sources of verification

6.2. Visibility of the EU contribution

How is the visibility of the EU contribution being ensured within your project implementation?

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Short summary

Simialrly to BID, before all the workshops started the EU, was acknowledged. Materials used such as writing sheets also had the GBIF, EU, BID logo on them and the Biodiversity informatics workshop will be made public on the Natural History Museum Facebook page and website. Promotional materials with BID, EU, GBIF and NHM such as t-shirts pens, and folders were also made and given to the workshop participants. Similarly, in all the papers that will be published these organisations will be acknowledged. Our findings and link to the IPT where our data is published will be shared on the museum website.

Sources of verification

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Signature _____

Name of the contact person for the BID Project: _____

Date report sent by email in Word format to bid@gbif.org for pre-approval: _____

Date report sent by post to GBIF Secretariat: _____

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