



Global Biodiversity Information Facility

BID Africa 1 – Small Grant Template

Final narrative report

Remember that all project activities <u>should be completed</u> within the implementation period of your project. The evaluation period must focus on final reporting and evaluation of your project.

Instructions

- Fill the template below with relevant information. If no result has been achieved on a specific point, **please indicate the reason of the delay and expected date of completion.** 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. Please provide access to all mentioned sources of verification by either providing the link or sending a copy of the documents.
- This report must <u>first</u> be sent as a Word document to <u>BID@GBIF.org</u> and be preapproved 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

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2. Project Information

- **2.1. Principal investigator and grant coordinator: Institution/network/agency name:** Mpala Research Centre
- 2.2. Principal investigator name and role:

Adam W. Ferguson, Negaunee Collections Manager of Mammals

2.3. BID proposal identifier:

BID-AF2015-0124-SMA

2.4. Project title:

Kenya's other carnivores: Harnessing biodiversity data for effective development of national conservation strategies

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

1 August 2016 – 19 January 2017

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

Kenya

3. Overview of results

3.1. Executive summary

Give a short summary of the activities implemented and the outcomes of the project for the whole implementation period (no more than 500 words maximum).

This project has been successful in mobilizing otherwise unavailable biodiversity data on Kenya's small carnivores with plans on using these data to develop Kenya's first, national conservation strategy for 31 species of small, mammalian carnivores. A total of 14 Kenyan students and museum professionals plus an additional 8 participants were trained in techniques for biodiversity informatics and conservation biogeography in two separate workshops hosted at Mpala Research Centre (MRC), Nanyuki, Kenya. The first of two workshops, Introduction to Biodiversity Informatics and Georeferencing, had student participants from three Kenyan universities, the National Museums of Kenya (NMK), and MRC present. Students were introduced to the concept of the project, trained in digitization, mobilization, and georeferencing, and then assigned two species of small carnivores to make the focus of their post-workshop activities. Working in coordination with myself, these students completed weekly tasks involving digitization, georeferencing, and locating existing records for their respective species for use in the second workshop. The second of two workshops, Ecological Niche Modelling and Conservation Biogeography had the same 14 students plus an additional two staff from NMK's Osteology Department. For this workshop, Dr. Andres Lira Noriega and I trained the students in application of biodiversity data they had accumulated to conservation questions, including distribution mapping and prediction of biodiversity hotspots. A total of 1,112 specimen records from NMK have been digitized and published on GBIF via NMK's IPT as the following resource: Occurrence Data of Small Carnivores (Mammalia. Carnivora) in the National Museums of Kenya Zoology Collection. All of these specimens were photographed to verify their presence in the collection and current identifications. Discussions are currently underway with Kenya Wildlife Service (KWS) to use the NMK and other gleaned records to develop distribution maps and identify hotspots of small carnivore biodiversity. These data, together with information taken from the literature







search activity will be used to develop a national conservation strategy for the 31 species of small carnivores. Publications on the process of obtaining, digitizing, and utilizing the data are also in development.

3.2. Progress against expected milestones:

Expected milestones/activities	Completed ?	Explanatory notes	Sources of verification
	Yes/No		
Completed capacity self-assessment questionnaire for data holding institutions (<u>http://www.gbif.org/resource/82785</u>)	Yes	NA	Email from <u>mraymond@gbif.org</u> on 22 Sep 2016
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	GBIF.org
The data users identified in the full proposal have documented their intended use of the mobilized data and provided early feedback	Yes	Kenya Wildlife Service	Email exchanges and meetings. Contact <u>mumbi@kws.gov</u> for confirmation
All mobilized data has been published to GBIF.org	Yes	The NMK dataset has been published. Additional records are currently being prepared for publication on the FMNH IPT.	http://ipt.museums.or.ke/ip t/manage/resource?r=bid- af2015-0124-sma#
All published data meet the minimum requirements outlined in the Data Quality Requirements available at <u>http://bid.gbif.org/en/community/data-guality/</u>	Yes	All data were entered and cleaned to meet Data Quality Requirements.	http://ipt.museums.or.ke/ip t/manage/resource?r=bid- af2015-0124-sma#
The training outcomes of the project have been documented, including the number of people receiving certification through the BID Capacity Enhancement workshops, the number of people trained in nationally organized events, and the evaluation of the impacts of these training activities	Yes	We issued certificates of completion for both workshops to all the participants.	See Syllabi and list of participants from workshops I and II.
Final capacity self-assessments have been completed with sustainability plans	Yes	These are beyond my purview when it comes to NMK	See attached assessment form.







All uses of the mobilized data have been documented	No	Mobilized data have not been used yet	Pending publication/final strategy
Best practices and lessons learned have been documented	No	Many of these already exist but we plan on documenting what worked and what did not in a methods paper on this whole process.	Pending publication.







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. We remind you that all deliverables should be completed at the time of drafting this report (end of implementation period). 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
Small Carnivore Database	Database scheme	No	Creating an updaptable, relational database was beyond the capacity of the project and its participants.	None
	Reporting scheme	No	See above	None
	Database creation	No	See above	None
	Workshop 1	Yes		https://www.gbif.org/event/83139/introduction-to- biodiversity-informatics-and-georeferencing- workshop
	Workshop 2	Yes		https://www.gbif.org/event/83282/workshop-on- ecological-niche-modeling-and-conservation- biogeography
Digitization of Small Carnivore Records	NMK Digitization	Yes	A total of 1,112 specimens of small carnivores housed in the NMK Mammalogy and Osteology collections were digitized.	http://ipt.museums.or.ke/ipt/manage/resource?r=bid- af2015-0124-sma#
	MRC Digitization	No	No small carnivore specimens were available as part of this collection.	None
	BMNH Digitization	Yes	Although the BMNH was	See attached spreadsheet "BMNH_KenyaSmallCarnivoreRecords.xlsx"







			unable to provide full access to their collection for this project, a subset of 283 records were digitized from material collected by AWF from previous trips to London.	
	Other Digitization	Yes	Records of specimens collected as part of the SCRAPS project were digitized.	Spreadsheet subset can be provided upon request (this represents all of my raw data for my postdoc and thus I do not want to share it without removing the non-relevant information).
Compilation of Small Carnivore Records	KWS Records	No	KWS did not provide access to or information on records of occurrences.	None
	On-line Records	Yes	Online records from GBIF, VertNet, and other collections were compiled for each of the 31 species.	See spreadsheet with GBIF DOI for downloads.
	Literature Records	Yes	Literature records, especially form specialized journals such as <i>Small</i> <i>Carnivore</i> <i>Conservaiton</i> were collated for each species	None
Georeferencing of Small Carnivore	NMK Georeferencing	Yes	Of the 872 records with locality data,	http://ipt.museums.or.ke/ipt/manage/resource?r=bid- af2015-0124-sma#







Records			762 were Georeferenced.	
	MRC Georeferencing	No	No records of small carnivores exisited from MRC.	None
	BMNH Georeferencing	Yes	A total of 235 of the 283 digitized BMNH specimen records have been georeferenced.	See attached spreadsheet "BMNH_KenyaSmallCarnivoreRecords.xlsx"
	Other Georeferencing	No	Still attempting to georeference the few records some of the students succeeded in obtaining.	None
	Literature Georeferencing	No	Still attempting to georeference the few records some of the students succeeded in obtaining.	None
Distribution Maps for each Kenyan Species	Distribution maps	No	Although preliminary distribution maps were developed during Workshop 2, final maps using the verified occurrences have not ben generated.	None
	Protected area records	No	A subset of the records existing within protected areas have not been	None







			identified although this will be included in the National Conservaiton Strategy	
Conservation Prioritization Schemes	Conservation prioritization	No	The data are going to be used to develop conservation prioritization schemes as part of the National Conservation Strategy.	None
Gap Analysis	Gap analysis	No	The data are going to be used to develop Gap analysis as part of the National Conservation Strategy.	None
Small Carnivore Conservaiton Strategy	Conservation strategy	No	The political instability that occurred in Kenya over the last year severly limited our ability to work with KWS to develop a national conservation strategy. A national Task Force was developed and approved by KWS and the goal of developing a National Conservation Strategy has been set flor 2018.	None







3.4. Datasets published on GBIF.org

If the dataset is not yet published, please indicate detailed explanation about causes of delays". Add as many rows as needed.

Dataset title	Publishing institution	DOI or URL/Planned hosting institution	Date/expected date of publication	Explanatory notes
Kenyan Small Carnivore Specimens at the National Museums of Kenya	NMK	NMK-GBIF IPT	01 Jan 2018	The cleaning up of the data took way longer than I anticipated.
Occurrence Records of Small Carnivores in Laikipia Kenya	NMK	FMNH-GBIF IPT	28 Feb 2018	Although over 300 records from this project have been digitized they need reformatting prior to being published via the Field Museum's IPT.
Occurrence Records of Small Carnivores in the Mau Forest of Kenya	NMK	NMK-GBIF IPT	31 Mar 2018	Camera trap images from this project need to be digitized and formatted for GBIF.







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 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
Kenyan Small Carnivore Specimens at the National Museums of Kenya	KWS, NMK	Current distribution maps	01 Feb 2018	NA	Maps generated using the specimen and recent observation records will be generated in QGIS and provided as shapefiles to KWS and NMK.
Kenyan Small Carnivore Specimens at the National Museums of Kenya	KWS, NMK	Records of small carnivores in protected areas	01 Feb 2018	NA	A spatial analysis of existing records of occurrence in protected areas will be generated in QGIS and a list of species of small carnivores known and potentially occurring in each protected area will be generated.
Kenyan Small Carnivore Specimens at the	KWS, NMK	Distributional gaps/areas of focused surveys	01 Apr 2018	NA	Working with Andres we will







National Museums of Kenya					generate conservation prioritization schemes and conduct a gap analysis to prioritize future survey efforts for small carnivores.
Kenyan Small Carnivore Specimens at the National Museums of Kenya	KWS, NMK	Conservation strategy development	31 Oct 2018	NA	Using maps and spatial analyses from the above dataset, we will work directly with KWS to develop a conservation strategy for review at the annual carnivore conservation conference in Oct 2018.

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.

Full title	Organizing institution	Dates	Number of participants	Sources of verification
Introduction to Biodiversity Informatics and Georeferencing Workshop	Mpala Research Centre	14 – 18 January 2017	20	http://www.gbif.org/event/83139
Ecological Niche Modeling and Conservation Biogeography	Mpala Research Centre	21 – 26 March 2017	22	https://www.gbif.org/event/83282/workshop- on-ecological-niche-modeling-and- conservation-biogeography







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: Database Scheme, Reporting Scheme, and Database Creation

Please use same activity name as the one given in section 2.2 "Deliverables, activities and reporting criteria" in your BID full proposal.

Description of any implementation during the reporting period

Meeting to discuss a database scheme with all project partners was not feasible given the extra costs of hosting such a meeting and the expected per diem rates for government employees. Together with the students during Workshop I, we discussed and formualted a database in Excel spreadsheet following Darwin Core principles and incorporating the fields we felt were most relevanat to our project goals. This was more in line with the students skill sets as they are more comfortable using Excel compared to Access or other relational databases. In addition, the probability of an established database being updated and maintained seemed very low.

Sources of verification

See attached spreadsheet (SmallCarnivoreDatabaseTemplate.xlsx)

Activity 2 name: Workshop I

Description of any implementation during the reporting period

Workshop I: Introduction to Biodiversity Informatics and Georeferencing was successfully implemented at Mpala Research Centre between 14 – 18 January 2017. There were 20 participants, 16 students, and 4 professionals, including myself. The 14 students selected as project participants were assigned two species of small carnivores each that they then are responsible for taking through the whole process of obtaining data, digitizing, georeferencing, and ultimately modeling distributions for. These students will thus work with data they collected, vetted, and georeferenced for the second workshop to be held in March 2017. We decided to hold off on awarding the certificate for the first workshop as suggested by our professors at Karatina University with the idea that we provide these at the end of the second workshop/completion of the project so as to encourage continued participation by the students over the coming months.

Sources of verification

http://www.gbif.org/event/83139

See attached Syllabus (GBIF_BID_WS1_Schedule_FINAL.pdf)

Activity 3 name: Workshop II

Workshop II: Ecological Niche Modeling and Conservation Biogeography was successfully implemented at Mpala Research Centre between 21-26 March 2017 at Mpala Research Centre in Laikipia County, Kenya. Dr. Andrés Lira Noriega arrived in Kenya on March 15 and







served as the primary instructor for this workshop given his expertise in the major topics. The 14 students arrived with digitized and georeferenced records for their two assigned (selected) species which were used for training them in how to generate predictive distribution maps and spatial conservation prioritization schemes.

Sources of verification

See attached syllabus (SyllabusKenyaWorkshopII_FINAL.pdf)

https://www.gbif.org/event/83282/workshop-on-ecological-niche-modeling-and-conservationbiogeography

Activity 4 name: NMK Digitization

Description of any implementation during the reporting period

398 records of small carnivores from the Mammalogy section at the National Museums of Kenya have been digitized into excel and georeferenced. An additional 712 specimens from the Osteology Department have been digitized and georeferenced in the same Excel. All specimens and associated tags have been digitally photographed by three individuals from NMK for this project.

Sources of verification

http://ipt.museums.or.ke/ipt/manage/resource?r=bid-af2015-0124-sma#

Activity 5 name: MRC Digitization

Description of any implementation during the reporting period

Unfortunately it turned out that most of the MRC specimens were of species other than small carnivores (e.g. mostly large ungulates) and thus provided few records for our project.

Sources of verification

None

Activity 6 name: BMNH Digitization

Description of any implementation during the reporting period

The BMNH declined to be participants in this grant based on legal advice from their superiors. In addition, the trip by AWF to London to digitize material was not possible due to financial constraints. However, a subset of species from the BMNH (e.g., *Bdeogale, Poecilogale*) were included and digitized/georeferenced by students for a total of 283 specimens specimens. AWF plans on working with contacts at the BMNH to try and get these records onto the NHM IPT.

Sources of verification

See spreadsheet "BMNH_KenyaSmallCarnivoreRecords.xlsx"

Activity 7 name: Other Digitization







Description of any implementation during the reporting period

Other records that have yet to be digitized include a large dataset on small carnivores from Laikipia County from a 6 month long camera trapping project. These will be digitized and available as records by June 2017. However, more than 300 records of small carnivores trapped in Laikipia between Sep 2014 – Sep 2016 have been digitized and are currently being formatted for inclusion on the Field Museum's IPT as tissue samples collected from these 300 plus individuals are eventually going to be deposited in the FMNH Cryo-facility.

Sources of verification

https://emammal.si.edu/kenya-dung-dependency-project

https://smallcarnivoreresearchandparasitestudy.wordpress.com/

Activity 8 name: KWS Records

Description of any implementation during the reporting period

KWS did not provide any records or indications of the kinds of records they have and how we might go about accessing them. They failed to provide the 4 students from their organization which were to participate in the workshop and facilitate access to these data. I reached out to their main GIS person on my own and received a response that indicated there might not be that many records to begin with.

Sources of verification

See Email (KWS_EmailRecords.docx)

Activity 9 name: On-line Records

Description of any implementation during the reporting period

Students downloaded and obtained all records of their respective species form GBIF, VertNet, iNaturalist, and four museum-specific databases (i.e., NMNH, AMNH, FMNH, and Arctos). These records were collected as part of their 'Digital Repository Search Activity' and forms the foundation of much of their species occurrence records.

Sources of verification

GBIF DOIs (GBIF_SpeciesDOIs.docx) and Digitization Activity Worksheet (Activity_DigitalRepositoryRecords.pdf)

Activity 10 name: Literature records

Description of any implementation during the reporting period

Students also obtained records form the literature using Google Scholar and Biodiversity Heritage Library via the 'Literature Records Search Activity'

Sources of verification

Literature Activity Worksheet (Activity_LiteratureRecords.pdf)

Activity 11 name: NMK Georeferencing

Description of any implementation during the reporting period Students completed georeferencing of all specimens.







Sources of verification

http://ipt.museums.or.ke/ipt/manage/resource?r=bid-af2015-0124-sma#

Activity 12 name: MRC Georeferencing

Description of any implementation during the reporting period

What few records are available have limited to no data, but students will be working as a group to sort, digitize, and georeference this material during the Workshop II.

Sources of verification

None

Activity 13 name: BMNH Georeferencing

Description of any implementation during the reporting period\

See above comments regarding access to BMNH specimens.

Sources of verification

None

Activity 14 name: Other Georeferencing

Description of any implementation during the reporting period

Still attempting to georeference the few records some of the students succeeded in obtaining.

Sources of verification

None

Activity 15 name: Literature Georeferencing

Description of any implementation during the reporting period

Still attempting to georeference the few records some of the students succeeded in obtaining.

Sources of verification

None

[Add as many activities as given in your full proposal under "Deliverables, activities and reporting criteria" for goal 1]

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

Activity 1 name: Distribution Maps for each Kenyan Species

Description of any implementation during the reporting period

Students used QGIS and Maxent to develop record-based and predictive distribution maps for their respective species during Workshop II.







Sources of verification

Maps to be included in final conservation strategy.

Activity 2 name: Protected area records

Description of any implementation during the reporting period

We will sue intercept spatial queries to determine how many records of each of the species occur in Kenya's protected areas. This will be used to provide a list of verified records of occurrence for all 31 species for each protected area, with guidelines on which species could/should occur in the respective protected area based on predictive distribution maps.

Sources of verification

Maps and tables to be included in final conservation strategy.

Activity 3 name: Conservation prioritization

Description of any implementation during the reporting period

Practice runs using Zonation were performed during Workshop II.

Sources of verification

Maps to be included in final conservation strategy.

Activity 4 name: Gap analysis

Description of any implementation during the reporting period

No result achieved yet- will be addressed during development of national conservaiton strategy.

Sources of verification

Maps to be included in final conservation strategy.

Activity 5 name: Small Carnivore Conservation Strategy

Description of any implementation during the reporting period

This one will prove challenging although KWS has expressed interest in continuing to pursue development of such a strategy. Compiling an initial report with maps and suggestions for conservation strategies from the spatial analyses will occur by 30 June 2018. We then plan on hosting a stakeholders meeting to address the strategy with an initial review of the draft to occur in October 2018 at the annual KWS' Carnivore Conservation Conference in Nairobi.

Sources of verification

None

[Add as many activities as given in your full proposal under "Deliverables, activities and reporting criteria" for goal 2]



BID



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 12 months, starting 1 June 2016 at the earliest)																									
Implementation period start date and end date (dd/mm/yy)	0	06/07/2016 – 06/07/2017																							
Activity	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	6 16	17	18	19	9 20	21	22	23	24	4 Notes
Mid-term evaluation and reporting							Х																		
Database scheme	Х	,																							
Reporting scheme	Х	,																							
Database creation	Х	,																							
Workshop 1							Х																		Delayed from 1st to 6th month
Workshop 2									Х	r															21-26 March 2017 @ MRC
NMK Digitization								Х	Х	r															Nearly complete
MRC Digitization								Х	Х	,															Very few records
BMNH Digitization								х	X	,															BMNH only allowed access to partial records
Other Digitization								x	Х	,															Other sources of information such as data from the SCRAPS project are digitized but need to be uploaded to IPT.
KWS Records						1											1								No real hope of getting records



m BID	GBIF
	from KWS
On-line Records	
Literature Records	
NMK Georeferencing	All georeferenced
MRC Georeferencing	See above comment
BMNH Georeferencing	See above comment
Other Georeferencing	
Literature Georeferencing	
Distribution Maps	In progress
Protected Area Records	In progress
Conservation Prioritization	In progress
Gap Analysis	In progress
Conservation Strategy	Draft strategy by 31 Oct 2018







Evaluation period (maximum 6 months, ending 31 December 2017 at the latest)								
Evaluation period start date and end date (dd/mm/yy)	01/08/17 – 31/10/17							
Activity	1	2	3	4	5	6	Notes	
Final financial and narrative reporting	Х	Х						
Verification of functionality of reporting system	Х							
Publication of Conservation Strategy			Х				Timed to be released with the annual KWS Carnivore Conservation Conference held in October	
Peer-reviewed Publication of Results			Х					

5.1. Explanatory notes:







6. Sustainability plans

Explain the approach that will be taken to ensure the sustainability of the project's results after the end of your project (500 words maximum)

I plan to continue working with our partners to see this project through to the end, i.e., accumulation of our digittized results into a National Conservation Strategy for Kenya's 31 species of small carnivores. Although this will take more time than originally anticipated, I am heavily invested in this project already and would like to see some tangible and useful outputs produced from our efforts and thus am highly motivated to continue with this work. The NMK GBIF team is well organized and on top of things and my continued work with them and other NMK colleagues will ensure these data remain up to date and accessible to the public. I plan on continuing to work on small carnivores in Kenya for the foreseeable future and already am supervising two additional students working on small carnivore projects in the country. My position as the Negaunee Collections Manager of Mammals at the Field Museum of Natural History puts me in a unique position to keep my finger on the pulse of this project as it encompasses many aspects of my day to day job, e.g., maintaining our IPT Resource, georeferencing our collection, and training in digitization and biodiversity informatics. It also would be in the best interest of the museum to see these data go on to be used for applied conservation efforts in Africa and thus I feel like I will be uniquely able to dedicate a substantial amount of time to see this project through to the end.

7. Beneficiaries/affiliated entities and other cooperation

7.1. 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.







Our project unites NGOs, government institutions, and universities to work towards developing a conservation strategy for Kenya's small and often neglected carnivores. The initial stages of the project have seen strong collaborations between Mpala Research Centre and the National Museums of Kenya and Karatina University. Kenya Wildlife Service's contributions and partnership will become more prevalent as we move into using the digitized data to develop a conservation plan. One of the most important outcomes of this project will be exposing students to one of the organizational chains in conservation, notably progression from research (MRC) to data repositories (NMK) and finally government policy (KWS). We are also hoping to work more closely with Wycliffe Mutero, head of KWS GIS program, to ensure we obtain the maximum number of small carnivore records for use in our predictive modelling/mapping of country-wide distributions.

7.2. 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, how far has your BID project been able to build upon/complement the previous project(s) ?

No result achieved yet.

8. Visibility

Please refer to the **BID** guidelines

8.1. Visibility of the BID project

How is the visibility of your BID project being ensured?

Short summary

We are using social media (Twitter, Facebook) to deliver the message about our project as well as having the workshops at an institution currently hosting students and faculty from more than 5 Universities and 3 countries. We will work to raise awareness of the projects goals and objectives as we move from the mobilization to implementation stage.

Sources of verification

8.2. Visibility of the EU contribution

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

Short summary

Inclusion of the EU flag and a statement describing how the EU funded this work has been included in all documents and presentations put together thus far.

Sources of verification







Signature

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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:

