



BID Africa 1 – Regional Grant Template

Mid Term narrative report

The Regional consortium coordinator must collate relevant information submitted by each regional consortium partner and **submit only one Midterm narrative report on behalf of the whole regional consortium**. This report shall give an overview of the progress and achievement accomplished by all the regional consortium members.

Financial reports shall be individual and be drafted by each regional consortium members independently.

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.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 first be sent as a **Word document** to GBIF@BID.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

Template

1. Table of Contents

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2. Project Information

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

Madagascar Biodiversity Center, Parc Botanique et Zoologique de Tsimbazaza

2.2. Main contact person and role:

Rajemison Balsama, Project Coordinator

2.3. BID proposal identifier:

BID-AF2015-0134-REG

2.4. Project title:

African Insect Atlas: unleashing the potential of insects in conservation and sustainability research in Africa”

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

Start date 01/06/ 2016 end date of reporting - 31/05/2018

2.6. Country in which the activities take place:

Madagascar, Kenya, Mozambique, Botswana, Zimbabwe and South Africa

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)

Across different training regional or international, technical capacities for each consortium were greatly improved. Previous technical problems for digitization as recording and cleaning data on excel reported in the first narrative report for some partners doesn't represent consistent challenge for the advancement project now. Mutual support were organized and allowed team to keep going on. For example between Botswana and Zimbabwe, Digitization Best Practices was organized in Botswana and Ms. Kudzai Mafuwe from Zimbabwe was facilitator. Now, Botswana are starting to publish their data on line. For other consortium as Madagascar or Kenya, dataset are already publish through GBIF portal. Example for Madagascar, 660 occurrences is published up to now. Make these data on line allowed to others to use it.

Other important activities that all consortiums are focus on are georeferencing. At least three African museums are stick on it. This is capital step for the quality of our data that all museums have to work on soon.

In term of visibility, data captured for the database from the Albany Museum in South Africa has been useful for oral and poster paper during the Society for Conservation Biology's International Congress for Conservation Biology (ICCB), in Cartagena, Colombia. At the meantime, the visibility of the Programme BID and European Union were ensured.





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 | <ol style="list-style-type: none"> 1. Madagascar Biodiversity Center and Parc Botanique et Zoologique de Tsimbazaza 2. Botswana National Museum 3. National Museum of Kenya 4. Natural History Museum of the Eduardo Mondlane University 5. Albany Museum South Africa 6. Natural History Museum of Zimbabwe | |
| At least three data publishing institutions from the consortium are registered with GBIF.org. For registered data publishers see: http://www.gbif.org/publisher/search | YES | <ol style="list-style-type: none"> 1- Madagascar Biodiversity Center and Parc Botanique et Zoologique de Tsimbazaza 2- National Museum of Botswana 3- The natural History Museum of Zimbabwe 4- Albany Museum in South Africa | <p>For Madagascar http://www.gbif.org/publisher/8feb568b-f026-4d58-93b7-a2b56dc946f8</p> <p>For Botswana: http://www.gbif.org/publisher/8ca12fcf-3afe-4d66-933e-48bea18197c4</p> <p>For Zimbabwe : http://www.gbif.org/publisher/5f2df235-914f-4cc9-b247-08fb981e8b8a</p> <p>For South Africa: https://www.gbif.org/publisher/f6adbffd-6f7d-4c49-a26b-8dc18b2e5e65</p> |
| At least one person from the project team has completed the certification process following the first BID Capacity Enhancement workshop | YES | <p>For Madagascar: Biodiversity Data Mobilization Badge at the Advanced Level</p> <p>For Kenya: PI participated in the last BID capacity enhancement workshop</p> | <p>https://openbadgfactory.com/c/receive/?k=OIA2RAaAIOa10&e=ravelomanana.njaka%40gmail.com&i=fd81aac89615396bc9144a40647c308bc207eca</p> <p>http://elearning.gbif.es/</p> |
| Knowledge dissemination activities have been scheduled following the first BID Capacity Enhancement | YES | Madagascar: Sharing knowledge and experience during the | https://www.dropbox.com/sh/uso yey8wahpg3e5/AAA6n9ierAuvM |





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| workshop | | Capacity building and biodiversity data mobilization for conservation, sustainable use, and making in Africa and Madagascar Botswana: The Botswana National Museum hosted a "5 day training Workshop on 'Digitization Best Practices'". The workshop was facilitated by Zimbabwe Project Leader | oCkVS0iZ_22a?dl=0 Training Workshop Report, Workshop Programme and Photographs |
| At least one dataset has been published to GBIF.org | YES | From Madagascar From Kenya: Ants data | http://ipt.madbif.org/resource?r=database_coleoptera http://ipt.museums.or.ke/ipt/resource?r=nmk_ants_data |
| The data users identified in the full proposal have documented their intended use of the mobilized data and provided early feedback | YES | | |

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 |
|--|------------------|-----------------------|--|---|
| Madagascar: Training on georeferencing was conducted in May for staff | Training | Yes | More than 80% our data doesn't have coordinates. Planning georeferencing training allowed to resolve this issue and increase quality of our data | |
| Madagascar: Regional training on capacity enhancement lead by Pr. Townsend. | Training | Yes | Our staff took part to the regional training organized by CNRE: Capacity building and biodiversity data mobilization for conservation, | https://www.dropbox.com/s/h/NSYw0juip181o7r/AADIZ_RLp2TVc5xbpSZdvvPs0a?dl=0 |





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| | | | sustainable use, and making in Africa and Madagascar | |
| Kenya : Network of trained museum staff in digitization and best practises in Entomology | Collaborative meetings in several museums to train and evaluate progress | No | Initial partners meeting occurred in Nairobi. A second partners meeting is slated for February 2018 in Madagascar | Nairobi meeting already verified during the previous reporting |
| Kenya : Geo referenced databases of Dragonflies, Caddis flies, Mayflies and ants from East and | Data Mobilization (Digitization) | Yes | Completed data capture in excel for <ul style="list-style-type: none"> • Mayflies • Caddisflies • Ants • Dragonflies almost complete | Entire excel databases are available Weblink for published ants (http://ipt.museums.or.ke/ipt/resource?r=nmk_ants_data) |
| Kenya : | Geo referencing | No | 3216 ant records geo referenced 3247 dragon flies geo referenced | http://ipt.museums.or.ke/ipt/resource?r=nmk_ants_data http://bo.adu.org.za/content.php?id=324 |
| Kenya : Development of Checklists, distribution maps and species red listing | Mapping Checklisting | No | 1. Dragonflies maps have been developed utilizing the already georeferenced records plus the Kenyan records held by the Animal demographic Unit, University of Cape Town | http://bo.adu.org.za/content.php?id=324 |





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| | | | 2. Complete Kenyan dragonflies checklist already developed. | |
| Zimbabwe Network of trained Museum staff in digitization and best practices in Entomology | Zimbabwe conducted a two day training workshop that was titled Introduction to Biodiversity informatics in October 2016. | Not yet completed, expected to be complete by 31 May 2018 | More training on data analysis t to be conducted in by March 2018. | http://naturalhistorymuseumzimbabwe.com/bid-biodiversity-information-for-development/ |
| Zimbabwe Georeferenced databases of Dragonflies, Caddis flies, Mayflies and ants from East and South African regions | | Not yet completed, expected to be complete by 31 May 2018 | Georeferencing and data cleaning currently in progress | |
| Zimbabwe Development of checklists, distribution maps and species red lists | | Not yet completed, expected to be complete by 31 May 2018 | One, checklist has been published by the Zimbabwe Team, Georeferencing and data cleaning of more records is currently in progress | http://www.gbif.org/publisher/5f2df235-914f-4cc9-b247-08fb981e8b8a |
| South Africa: Network of trained Museum staff in digitization and best practices in Entomology | Training | yes | Data entry and cleaning protocols have been documented and staff has been trained. New interns started work and have received in-house training. | N.A |
| South Africa: Georeferenced databases of Dragonflies, Caddis flies, Mayflies and ants from East and South African regions | Data Mobilization (Digitization) | no | All records are georeferenced as they are entered into the database. This is an ongoing process. As the project is still continuing, we are saying that it is not yet completed. Some of the data that was entered previously has also been checked and updated. Imaging will continue in the next funding cycle. | N/A |





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| <p>South Africa: Development of checklists, distribution maps and species red lists</p> | Conservation | no | This will be completed in the next funding cycle, following the meeting in Madagascar in February 2018, where the consortium will decide upon the best practices for mapping, producing checklists and redlisting where enough information is known. | N/A |
| <p>Mozambique: Network of trained Museum staff in digitization and best practices in Entomology</p> | Training | Yes | Digitalization training for the staff of Entomology Sector of the Natural History Museum and Biology students on digitalization according to the Darwin Core. | https://www.facebook.com/mhnm1913/posts/1074387345997002 |
| <p>Mozambique: Georeferenced databases of Dragonflies, Caddisflies, Mayflies and ants from East and South African regions</p> | Digitization of Blattaria, Mantodea, Odonata and Orthoptera database from Mozambique | Yes | Cataloguing of specimens. | |
| <p>Mozambique: Development of checklists, distribution maps and species red lists</p> | Distribution maps | No | Insect labels have no geographic coordinates and most collection sites have changed their name over time. Therefore until December it is intended to buffer the coordinates of the collection sites of each insect. | |





3.4. 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 |
|---|--|---|-----------------------------------|---|
| Madagascar: Occurrence data of Coleoptera in the Parc Botanique et Zoologique de Tsimbazaza | Madagascar Biodiversity Center Parc Botanique et Zoologique de Tsimbazaza | http://ipt.madbif.mg/resource?r=database_coleoptera | August 2017 | |
| Madagascar: Occurrence data of dragonflies in the Parc Botanique et Zoologique de Tsimbazaza | Madagascar Biodiversity Center Parc Botanique et Zoologique de Tsimbazaza | http://ipt.madbif.mg/resource?r=dragonflies_pbzt | August 2017 | |
| Kenya: Occurrence data of ants (Hymenoptera: Formicidae) in the Zoological collection of National Museums of Kenya | National Museums of Kenya | http://ipt.museum.s.or.ke/ipt/resource?r=nmk_ants_data | | Last version published on 7 th July 2017 |
| Botswana : Hymenoptera Collection at the Botswana National Museum | Botswana National Museum | GBIF | August/September 2017 | There was a delay with installing IPT in the department |
| Botswana : Coleoptera Collection at the Botswana National Museum | Botswana National Museum | GBIF | December 2017 | There was a delay with installing IPT in the department |
| Botswana : Diptera Collection at the Botswana National Museum | Botswana National Museum | GBIF | March 2018 | There was a delay with installing IPT in the department |
| Zimbabwe: A checklist of beetles (Insecta: Coleoptera) from the Matobo World Heritage Site, deposited in the Natural History Museum of Zimbabwe | Natural History Museum of Zimbabwe | doi:10.15468/0kwrqm | June, 8 2017 | Currently publicly available on GBIF |
| Zimbabwe: EPTO genera and Formicidae of Zimbabwe | Natural History Museum of Zimbabwe | Natural History Museum of Zimbabwe | December, 31 2017 | Currently being developed |
| South Africa: | South African National Biodiversity Institute | http://biodiversityadvisor.sanbi.org/online | Already published | |



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| | | | | |
|---|---|--|-----------|---|
| Data already published: AM: Freshwater Invertebrates (1900-2005) AM: Terrestrial Insect Collections (1896-2000) | (SANBI). The South African node of GBIF, housed at SANBI, is known as SABIF (South African Biodiversity Information Facility) | e-biodiversity-data/sabif http://doi.org/10.15468/spzgor http://doi.org/10.15468/nlkj0p | | |
| South Africa: Albany Museum: Odonata 2006-2016 | South African National Biodiversity Institute (SANBI). The South African node of GBIF is housed at SANBI. This is known as SABIF (South African Biodiversity Information Facility) | https://www.sanbi.org/ | 2017/2018 | Earlier data captured prior to BID funding is already housed on SABIF, which feeds to GBIF. New data capture is in progress. This includes data cleaning, and addition of new records. Also includes georeferencing from 1:50000 maps and google earth. |
| South Africa: Albany Museum: Ephemeroptera 2006-2016 | South African National Biodiversity Institute (SANBI). The South African node of GBIF is housed at SANBI. This is known as SABIF (South African Biodiversity Information Facility) | https://www.sanbi.org/ | 2017/2018 | Earlier data captured prior to BID funding is already housed on SABIF, which feeds to GBIF. New data capture is in progress. This includes data cleaning, and addition of new records. Also includes georeferencing from 1:50000 maps and google earth. |
| South Africa: Albany Museum: Trichoptera 2006-2016 | South African National Biodiversity Institute (SANBI). The South African node of GBIF is housed at SANBI. This is known | https://www.sanbi.org/ | 2017/2018 | Earlier data captured prior to BID funding is already housed on SABIF, which feeds to GBIF. |





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| | as SABIF (South African Biodiversity Information Facility) | | | New data capture is in progress. This includes data cleaning, and addition of new records. Also includes georeferencing from 1:50000 maps and google earth. |
| Mozambique: Blattaria_MHN_UEM | Natural History Museum of the Eduardo Mondlane University | | September, 2017 | We are still trying to validate the IPT on the GBIF.org to publish the data. |
| Mozambique: Mantodea_MHN_UEM | Natural History Museum of the Eduardo Mondlane University | | September, 2017 | We are still trying to validate the IPT on the GBIF.org to publish the data. |
| Mozambique: Odonata_MHN_UEM | Natural History Museum of the Eduardo Mondlane University | | September, 2017 | We are still trying to validate the IPT on the GBIF.org to publish the data. |
| Mozambique: Orthoptera_MHN_UEM | Natural History Museum of the Eduardo Mondlane University | | September, 2017 | We are still trying to validate the IPT on the GBIF.org to publish the data. |
| Mozambique: Hemiptera_MHN_UEM | Natural History Museum of the Eduardo Mondlane University | | December, 2017 | |
| Mozambique: Carabidae_MHN_UEM | Natural History Museum of the Eduardo Mondlane University | | December, 2017 | |
| Mozambique: Dytiscidae_MHN_UEM | Natural History Museum of the Eduardo Mondlane University | | December, 2017 | |

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



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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 |
|--|------------------------------|--|-----------------|--|--|
| Madagascar : Cricket diversity at the PBZT | Madagascar | We are looking for endemic cricket for our project Insect for Food. Database create for this project were very useful. | April 2017 | DOI10.15468/dl.ngb3oj DOI10.15468/dl.7cuhla DOI10.15468/dl.uctsjj | For the project IPSIO (Insect and People in South Indian Ocean) we are looking for potential endemic Malagasy insect species for rearing project |
| Kenyan dragonflies | Kenya Wildlife service (KWS) | <ul style="list-style-type: none"> • Checklist list be made available to inform KWS what they are protecting • Distribution maps will be made available to highlight data deficiency and guide future samplings • Country endemic species with their distribution will be brought to their attention for marketing purposes | November 2017 | http://bo.adu.org.za/content.php?id=324 | I have planned talks in KWS, Kenya Water Towers Agency and Nature Kenya in the coming weeks to share our findings so far |
| | Kenya Water Tower Agency | <ul style="list-style-type: none"> • Distribution maps will be made available to highlight data deficiency and guide future samplings • Key indicator species will be highlighted | November 2017 | | Pamphlets will also be developed for information sharing |
| | Nature Kenya | Indicator species and their distribution will be availed for conservation advocacy | November 2017 | | |
| Kenyan ants | Kenya Wildlife service | <ul style="list-style-type: none"> • Checklist list be made available so that KWS is aware of what they are protecting • Distribution maps will be made available to | November 2017 | | |





| | | | | | |
|---|---|--|---------------------------|---|---|
| | | highlight data deficiency and guide future samplings | | | |
| | Nature Kenya | Indicator species and their distribution will be availed for conservation advocacy | November 2017 | | |
| Botswana: Hymenoptera Collection at the Botswana National Museum | Botswana National Museum (Zoology Unit in Collaboration with National botanical Unit) | Identification of Hymenoptera collected from the National Botanical Garden. | August 2016-March 2018 | Letter of intend of use of mobilised data | The Zoology Unit is working in collaboration with the National botanical Garden on 'Insects diversity and abundance in the Botswana National Botanical Garden: An important site for biodiversity conservation.' The Hymenoptera data available will be useful in identifying the specimens |
| Botswana: Hymenoptera Collection at the Botswana National Museum | University of Botswana | Identification and distributon of Hymenoptera in Botswana | August 2016-March 2018 | Letter of intend of use of mobilised data | |
| Zimbabwe: A checklist of beetles (Insecta: Coleoptera) from the Matobo World Heritage Site, deposited in the Natural History Museum of Zimbabwe | Matobo National Park | Identification of beetles from the Matobo National Park | August 2016-December 2017 | | A project is was conducted with the Natural History Museum of Zimbabwe, Entomology department to Assess the biodiversity found within the Matobo National Park, articles for publication to peer reviewed journals are being prepared and will include citations of the checklist. |
| Zimbabwe: EPTO genera and Formicidae of Zimbabwe | Matobo National Park | Identification of ants and Odonata from the Matobo National Park | | | Two projects were conducted with the Natural History Museum of Zimbabwe, Entomology department |





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|---|---|---|---|---|---|
| | | | | | which used the checklist to identify ants and Odonota from the Matopo world heritage site. Articles for publication are currently being developed and will the checklists |
| South Africa: Albany Museum_ Odonata 2006-2016 | Researchers and river health managers | Add Albany Museum records to the extensive work already done by colleagues at the University of Stellenbosch (Michael Samways; John Simaika) and KD Dijkstra, who is now based at the Naturalis Biodiversity Center, Leiden, The Netherlands. | Information being captured will be uploaded at end of project funding cycle | http://www.iucnredlist.org/search https://www.researchgate.net/publication/272348475_The_Dragonflies_and_Damselflies_of_Eastern_Africa_Handbook_for_all_Odonata_from_Sudan_to_Zimbabwe https://www.researchgate.net/publication/285766078_Sixty_new_dragonfly_and_damselfly_species_from_Africa_Odonata | In progress. One of the big knowledge gaps is the linking of the aquatic nymphal stage with adults at species level, so many of the nymphs are not yet described and named, as the focus on Odonata has traditionally been on the adult stages, yet much work these days focuses on the aquatic stages. Correcting this is beyond the scope of this project. |
| South Africa: Albany Museum Ephemeroptera 2006-2016 | Researchers and river health managers. Redlisting will contribute to conservation of freshwater environments. | Checklist updates; distribution lists extended. Expected to contribute to building of IUCN redlisting of African mayflies | Indefinite; new species are still frequently being discovered. Information being captured will be uploaded at end of project funding cycle | http://fada.biodiversity.be/group/show/35 | In progress. Redlisting of African mayflies is a big undertaking, and will be ongoing long after this funding cycle. |
| South Africa: Albany Museum Trichoptera 2006-2016 | Researchers and river health managers | Checklist updates; distribution lists extended. | Indefinite; new species are still frequently being discovered. Information being captured will be uploaded at end of project funding cycle. | http://fada.biodiversity.be/group/show/39 | In progress |





| | | | | | |
|---------------------------------------|--|---|-----------------|--|--|
| Mozambique: Blattaria_MH N_UEM | Researchers, Eduardo Mondlane University (Department of Biological Sciences) | Identification of different species: distribution and occurrence maps | September, 2017 | | |
| Mozambique: Mantodea_M HN_UEM | Researchers, Eduardo Mondlane University (Department of Biological Sciences) | Identification of different species: distribution and occurrence maps | September, 2017 | | |
| Mozambique: Odonata_MH N_UEM | Researchers, Eduardo Mondlane University (Department of Biological Sciences) | Identification of different species: distribution and occurrence maps | September, 2017 | | |
| Mozambique: Orthoptera_ MHN_UEM | Researchers, Eduardo Mondlane University (Department of Biological Sciences) | Identification of different species: distribution and occurrence maps | September, 2017 | | |

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 |
|---|---|------------------|-------------------------------|--|
| Madagascar America week_exhibition activities | Madagascar Biodiversity Center & American | 25-26 April 2017 | 4 Participants from our staff | 150 years of diplomatic relations between the U.S. and Malagasy governments. |



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| | | | | |
|--|---|-------------------------------------|------------------------|---|
| | embassy Madagascar | | | |
| Kenya All Africa House Workshop | University of Capetown/ National Museums of Kenya | 12 th June 2017 | 20 Participant s | Photos and Powerpoint presentations and workshop program |
| Botswana Training Workshop in Digitization Best Practices | Botswana National Museum | 29/05/20 17 to 02/06/20 17 | 20 Participant s | Training Workshop Report, Workshop Programme and Photographs |
| Zimbabwe: Initial GBIF Planning meeting | Kenya Museum | | 10 | |
| Zimbabwe Introduction to Biodiversity Informatics | Natural History Museum of Zimbabwe | 18-19 October 2016 | 28 | http://naturalhistorymuseumzimbabwe.com/bid-biodiversity-information-for-development/ |
| Mozambique: Lecture: "African Insect Atlas: unleashing the potential of insects in conservation and sustainability research in Africa" | Natural History Museum of the Eduardo Mondlane University | 31/05/20 17 | 20 | https://www.facebook.com/mhnm1913/posts/1074387345997002 |

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. If no result has been achieved on a specific activity, please indicate it as "no result achieved yet" and indicate expected date of completion.

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: Establish or strengthen national biodiversity information facility

Activity 1 name:

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



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Description of any implementation during the reporting period

Kenya: An initial meeting of all partners was held in Nairobi at the project's onset. The second collaborative meeting in Madagascar initially planned for the 12th month has been pushed to February 2018 when most participating partners will be available.

Sources of verification

Kenya: The Nairobi meeting was verified in the last reporting using photos from the meeting and meeting program.

Postponement of the Madagascar meeting can be verified by email exchanges between partners

Activity 2 name:

Description of any implementation during the reporting period

Sources of verification

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

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

Activity 1 name: Data mobilization in Kenya (Digitization)

Description of any implementation during the reporting period

Specimen label data capturing has been ongoing since the last reporting. As a result of this, all the 3 insect orders have been complete with the fourth one Odonata (dragonflies) ongoing. Below is a breakdown of the digitized records so far.

Odonata (Dragonflies) - 6262 records

Ephemeroptera (Mayflies) - 167 records

Trichoptera (Caddisflies) - 350 records

Hymenoptera (Ants) - 3216 records

All data is currently in excel spreadsheets. In addition electronic data capture, that for the 3216 ants and 3247 dragonflies specimens had the geo-localities added. That from ants (3216 records) has already been published through the museum's IPT.

Sources of verification

http://ipt.museums.or.ke/ipt/resource?r=nmk_ants_data

Activity 2 name:

Description of any implementation during the reporting period



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Sources of verification

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



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4.3. Goal 3: Apply biodiversity data in response to national priorities

Activity 1 name: Insect for food and feed in South of Madagascar

Description of any implementation during the reporting period

Database from this collection that we digitized was used for species identification. The goal was to check the species distribution. The species was used for rearing project to alleviate famine a national challenge in South of Madagascar.

Sources of verification

<http://www.ipsio.org/>

Activity 2 name: Kenya: Conservation areas in Kenya

Description of any implementation during the reporting period

A checklist of the dragonflies from Kenya is now available. Also available is the general distribution of the 3247 geo-referenced records together with distribution maps for specific species of interest i.e. most common species and country endemic species. I talk to present the findings has already been given at the University of Cape Town. More talks are in the pipeline at the National Museums of Kenya and Kenya wildlife service.

Sources of verification

<http://bo.adu.org.za/content.php?id=324>

Activity 3 name: Conservation areas in South Africa

Description of any implementation during the reporting period

Data captured for the database has been useful for two conservation related presentation as the Society for Conservation Biology's International Congress for Conservation Biology (ICCB), in Cartagena, Colombia.

Sources of verification

Barber-James, H.M., Holland, A.J. and Sithole, H. 2017. Evaluation of strategies in Kruger National Park to effectively conserve aquatic biodiversity. *International Congress for Conservation Biology (ICCB)*, Cartagena, Colombia. 23-27 July. **Oral paper.**

de Moor F.C., Bellingan T.A., Barber-James, H.M. Mantel S.K. 2017. Effects of geological history on the interpretation of macroinvertebrates indices as a measure of water quality in the Tsitsikamma Rivers, South Africa. *International Congress for Conservation Biology (ICCB)*, Cartagena, Colombia. 23-27 July. **Poster paper.**



<BID project id>



<Start and end date of the reporting period>



[Add as many activities as given in your full proposal under 'Deliverables, activities and reporting criteria' for goal 3]



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) | | 1 June 2016 – 31 May 2018 | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | |
| Training workshop held in Nairobi, Kenya and Madagascar | | X | | | | | | | | | | | | | | | | | | X | | | | | The Madagascar workshop in February 2018 | |
| 6 months progress analysis | | | | | | X | | | | | | X | | | | | | X | | | | | | X | | |
| Data mobilization | | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | | | | | |
| Georeferencing | | | | | | | | | | | | | | | X | X | X | X | X | X | | | | | | |
| Publishing | | | | | | | | | | | | | X | X | | X | X | X | X | X | X | X | | | | |
| Conservation (Mapping) | | | | | | | | | | | | | | | | X | X | | X | X | X | X | X | | | |
| Conservation (Checklist) | | | | | | | | | | | | | | | | X | X | | X | X | X | X | X | | | |
| Mid-term evaluation and reporting | | | | | | | | | | | | X | | | | | | X | | | | | | | | |
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<BID project id>



<Start and end date of the reporting period>



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| Evaluation period (maximum 6 months, ending 31 December 2018 at the latest) | | | | | | | |
|---|---------------------------|---|---|---|---|---|-------|
| Evaluation period start date and end date (dd/mm/yy) | 1 June 2016 – 31 May 2018 | | | | | | |
| Activity | 1 | 2 | 3 | 4 | 5 | 6 | Notes |
| Final financial and narrative reporting | | x | x | | | | |
| Training | | | | x | x | | |
| Data mobilization | | | | x | x | | |
| Conservation | | | | | x | x | |
| | | | | | | | |

5.1. Explanatory notes:

The mapping and checklists will only begin following the meeting in Madagascar planned for February 2017, where members from each museum in the current consortium will meet to discuss how to compile maps and produce checklists, using the data that we have been capturing over the whole funded period.



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<BID project id>



<Start and end date of the reporting period>



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6. Beneficiaries/affiliated entities and other cooperation

6.1. 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.

Kenya

Dragonflies data from specimens originally collected from Zimbabwe but housed within the National Museums of Kenya has been shared with the National Museums of Zimbabwe in Bulawayo for publishing as requested.

6.2. 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) ?

Kenya

The Kenya BID project has been working in collaboration with the Animal Demographic Unit (ADU) of the University of Cape Town which maintains a virtual museum for various animal taxa. One of the projects within the virtual museum is OdonataMap which has been mapping dragonflies for the entire African continent. The BID project was able to provide from the BID project some missing records that facilitated the development of a detailed checklist for Kenya and together with distribution maps.

7. Visibility

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

7.1. Visibility of the BID project

How is the visibility of your BID project being ensured?

Short summary

BID logo has been added to all the power point presentations poster, barnner of works from the BID project and related activities.

Sources of verification

First page and Acknowledgement page of the presentations are attached

7.2. Visibility of the EU contribution

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

Short summary

The European logo has been added to all the power point, poster, barnner presentations of works from the BID project and related activities.

Sources of verification

First page and Acknowledgement page of the presentations



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



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Signature _____

Name of the contact person for the BID Project: Balsama Rajemison

Date report sent by email in Word format to bid@gbif.org for pre-approval: 30 august 2017

Date report sent by post to GBIF Secretariat: _____

