



BID Africa 2017 – National Grant Template

Early Progress 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 direct link or sending a copy of the documents.
- This report must first 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

Template

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2. Project Information

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

Instituto de Investigação Agrária de Moçambique (IIAM)
FPLM Avenue, N° 2698, P. O. Box 3658
Maputo, Mozambique

2.2. Main contact person and role:

Hermenegildo Matimele, Curator of National Herbarium of Mozambique (LMA Herbarium), Chair of the Southern African Plant Specialist Group (SAPSG).

2.3. BID proposal identifier:

BID-AF2017-004-NAC

2.4. Project title:

Mobilize primary biodiversity data for Mozambican species of conservation concern (endemic & threatened) to support decision-making and grow Mozambican expertise in biodiversity information management and Red Listing.

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

Implementation period	01/10/2017 – 30/11/2018
Evaluation period	01/12/2018 – 28/02/2019

2.6. Country in which the activities take place:

Mozambique

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)

The European Union via GBIF funds BID-AF2017-004-NAC project under BID initiative. Through BID, three data digitizers were employed and trained in data transcribing from specimen labels using BRAHMS and SPECIFY database systems. Training also included geo-referencing and data quality checking. BRAHMS was installed and is operating with these trained technicians at the University Herbarium (LMU herbarium). As part of the Tropical Important Plant Areas (TIPAs) project, BRAHMS program has been installed and is operating at the National Herbarium (LMA herbarium). Likewise, and under BioNoMo initiative, SPECIFY has been established and is operating at the Natural History Museum (NHM). Currently, through BID, this database system is also operating at the Entomological sector of the Agricultural Ministry.



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In terms of data gathered to date, there are 244 records of 48 plant species already on BRAHMS. The data gathering is conducted based on a draft list of nearly 800 species of endemic and near-endemic plants for Mozambique defined under TIPAs prior to this project.

Out of the 800 species, a priority list of 126 plant was defined for the Red Listing workshop to take place from 26th February to 2nd March 2018 in Maputo. The Red Listing workshop is organized under TIPAs initiative and supported by BID project. The TIPAs initiative is a co-funder of BID project.

In preparation to publish data with GBIF, the 244 records have been prepared into a format that matches to Darwin Core's structure. Still, have to complete metadata in order to have this data set ready for publication. With respect to fauna, there are 151 records of 42 species of Lepidoptera on SPECIFY at the Entomoteca sector of Agricultural Ministry. Moreover, at the Natural History Museum (NHM), with a digitizer based under BioNoMo initiative for about eight months, SPECIFY holds 5400 records of birds and insects. The BioNoMo initiative is also co-funder of BID project.

To ensure hosting of mobilized data, an IPT installation will be set up on a dedicated Linux server machine located at the National History Museum (NHM). This machine will serve as data hosting for all partner institution. Since the reability of internet connection may represent a critical issue, this solution will be best for 4 – 6 weeks to assess its sustainability in the long term. If connection requirements are not met, data will be hosted on a cloud installation of IPT.

Data mobilization and capacity enhancement

With respect to data housed at non-Mozambican institutions, some data referring to plants have been mobilized from Kew Herbarium (UK), and Buffelskloof Herbarium (SA). These include 350 records of 71 plant species endemic and near-endemic for Mozambique.

Strategy to speed up accomplishment of items including publishing data on GBIF:

Overall, commencement of activities was held up at the beginning because Mozambican financial regulations delayed the release of funds for two months. A further complication arose from the closure of many institutions during the festive season (15th Dec. 2017 to 8th January 2018). Consequently, the digitizers could not be employed immediately.

To overcome delay in commencement of the activities additional two data digitizers will be hired. One of the two digitizers will be hired for three months using the BID funds from the three months salaries that were not paid (October, November and December 2017). The second digitizer will be employed, for more than three months, by SECOSUD II (BioNoMo initiative).



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 https://www.gbif.org/document/82277/capacity-self-assessment-guidelines-for-national-biodiversity-information-facilities (EN) https://www.gbif.org/document/82782/evaluation-des-capacites-pour-les-systemes-nationaux-dinformation-sur-la-biodiversite (FR)	Yes	Although Mozambique is not yet a GBIF Participant country, the answers for capacity self-assessment were provided considering all contribution from different stakeholders on Biodiversity, e.g: Herbaria, Universities, and Museum	Attached capacity self-assessment document
At least one national data publishing institutions are registered with GBIF.org Guidelines to become a publisher: https://www.gbif.org/become-a-publisher	Yes	The Natural History Museum is already data publishing institution. Therefore, stakeholders under BID (IIAM, UEM Herbarium, IIP, and Entomoteca) have agreed to use existing facilities at the NHM to publish data.	https://www.Gbif.org/Publisher/search?country=MZ
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	Yes	Jorge Francisco attended the Data Mobilization workshop held in Cape Town	user5gbif.org
Knowledge dissemination activities have been scheduled following the first BID Capacity Enhancement workshop	Yes	Knowledge sharing has been scheduled to take place on 20 th February 2018	Summary report and images

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
1.1. BRAHMS and SPECIFY databases at four institutions populated with at least 2000 records of primary	1.1. Establish biodiversity database systems for Mozambican Research and	No	BRAHMS and SPECIFY have been installed and are operating. However, there still ongoing work towards achieving the 2000 records.	List of species in BRAHMS at LMA and SPECIFY at the NHM



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data on Mozambican endemic and near endemic species.	Academic Institutions.			
1.2. Mozambican data housed at collections institutions outside of the country available in Mozambique for use in species assessments (estimated 3000 records).	1.2. Mobilize specimen data from non-Mozambican institutions.	No	About 350 records of 71 plant species have been mobilized from Kew. This data mobilization is on preparation of a Red Listing workshop under TIPAs initiative supported by BID project.	Data available electronically but still under cleaning process as well as checking geo-referencing accuracy
1.3. Mozambican biologists trained in collections management and species identification.	1.3. Twinning programmes with collections and biodiversity research institutions in the SADC region.	No	Scheduled to take place during the second term of the BID initiative	Summary report and images
2.1. List of endemic and near endemic plant and animal species for Mozambique.	2.1. Identify species of conservation concern for Mozambique.	No	There is ongoing work to validate a list of nearly 800 plant species believed to be endemic or near-endemic to Mozambique.	List of endemic plant species available electronically (to be published in a peer-reviewed journal)
2.2. Red List assessments for Mozambican endemic and near endemic plant and animal species for Mozambique.	2.2. Conduct Red List Assessments.	No	Scheduled workshop to take place from 26 th February to 2 nd March 2018. This is mainly funded by TIPAs but supported by BID with respect to data preparation and expenses	Assessments to be submitted to IUCN
3.1. National data priorities linked to species conservation identified.	3.1. Round table discussion with policy makers in Mozambique to identify information priorities.	No	To be implemented during the last term of the project	Report
3.2. Data mobilised in this project integrated and available in one data portal for use by Policy Makers.	3.2. Make the mobilised data available nationally and internationally.	No	To national level, through BioNoMo there is a web portal where data is shared. At the international level GBIF portal will be used to publish the data	Summary report and data portal
3.3. Spatial data associated with each species listed on the IUCN Red List being used to inform landuse decision making.	3.3. Provide data to national and international land use decision making tools.	No	To be initiated during the second term of the project.	Report



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 endemic and near endemic species for Mozambique	NHM, IIAM, IIP, Entomoteca	NHM	November 2018	Checklist of flora and fauna taxonomic groups produced during the project
Endemic & Near-endemic plants records from IIAM	IIAM (LMA herbarium)	NHM	30 June 2018 November 2018	Ongoing work on compiling a comprehensive list in collaboration with LMU, Kew and SANBI
Endemic and Near-endemic plant records from UEM-LMU	UEM - LMU	NHM	30 June 2018 November 2018	Ongoing work on compiling a comprehensive in collaboration with LMA, Kew and SANBI
Endemic and Near-endemic Amphibians and Reptiles from NHM UEM	NHM – UEM	NHM	31 July 2018 November 2018	Experts supported by BioNoMo initiative, are working on producing a list for these groups
Endemic and Near-endemic Butterflies species	NHM – UEM and Entomoteca	NHM	November 2018	Work has not yet started on Butterflies
Endemic and Near-endemic Freshwater Fish	NHM – UEM and IIP	NHM	31 July 2018 November 2018	Work in progress on compiling a list of Freshwater Fish
Marine Fish and Shrimp	IIP	NHM	31 July 2018 November 2018	Preliminary working list has been set.

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
Endemic and Near-endemic plant and animal species	IUCN SSC specialist groups and Mozambique Red List working Group.	Conduct Red Listing assessments	Ongoing work and will continue at least for the next four years	Summary report and images	Assessed species can be re-assessed therefore, this data use type will last longer
Endemic, Near-endemic and threatened plant and animal species	National and International Decision makers National: (MITADER officials, Agriculture, Forestry and Mining government officials and private sector investors) Global: International cooperates who use IBAT	Interpret distributions for each of Mozambique's endemic and threatened species. Take informed decisions on what and where conservation effort is required. Influence decisions on how to use land through EIA process. Strengthen law and regulations.	During and beyond BID's initiative life span	Reports	Knowledge about distribution of species under this particular data set is key to allow better management of floral and faunal resources local as well as globally.
Endemic and Near-endemic Amphibians and Reptiles	Researchers, Scientists, Academics, Conservationists	Conduct specific studies or research to assist resource management including species conservation initiatives where applicable.	Continuous	Scientific reports, articles,	With this data set it can be possible to implement restoration initiative for reptiles
Endemic and Near-endemic Freshwater Fish	Mozambique Red Listing working group; Scientists; Academic institutions; National Directorate of	Conduct conservation status assessment; Conduct research or studies; Manage Freshwater	For the next five years, possibly onward	Reports, Images, Assessed species published on IUCN's web site	Hopefully this will galvanise more studies for the Mozambican Freshwater bodies which are poorly



	Freshwater Fish.	resources;			known
Marine Fish and Shrimp	Mozambique Red Listing working group; National Administration of Fishery; Conservationists; Scientists.	Marine resource management	For the next 10 years, possibly onward	Reports, Images, Assessed species published on IUCN's web site	There is ongoing work on structuring marine resources. This data set will be great contribution including regulating the trade



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
Meeting with project's mentor	IIAM (Skype call)	24 th November 2017	2	Summary of the meeting
First meeting of stakeholders after project's approval	IIAM	28 th November 2017	9	List of presence and meeting summary
Meeting with IIP	SECOSUD II	1 st December 2017	5	Meeting summary
Meeting at IIP with database experts from BioNoMo	IIP	6 th December 2017	8	Meeting summary
Knowledge sharing workshop	IIAM	20 th February 2018	10	Meeting summary and images
Plant Red Listing workshop	IIAM	26 th February to 6 th March 2018	22	Report and images





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 (01/10/2017-30/11/2018: 14 months)																
Activity	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Notes
Early Progress evaluation & Reporting			X	X												
Mid-term evaluation & reporting							X	X								
BID Capacity Enhancement workshop – Data mobilization and publication (Participation is mandatory)			X													
BID Capacity Enhancement workshop – Data use (Participation is mandatory)					X											
1.1. Establish biodiversity database systems for Mozambican Research and Academic Institutions.	X	X	X	X	X	X	X	X	X	X	X	X				Transcribing and georeferencing label information from specimens will continue beyond the project's time frame.
1.2. Mobilize data from non-Mozambican institutions.		X	X	X	X	X	X									Started with plant species
1.3. Twinning programmes with collections and biodiversity research institutions in the SADC region.							X	X	X	X						This will be extended for the digitizers or database managers
2.1. Identify species of conservation concern for Mozambique.					X	X	X	X	X	X						
2.2. Conduct Red List Assessments.						X	X			X	X	X				
3.1. Round table discussion with policy makers in Mozambique to identify information priorities.		X														
3.2. Make the mobilised data available nationally and internationally.											X	X	X	X		
3.3 Provided data to national and international land use decision making tools.												X	X	X		
Evaluation period start date and end date																



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(01/11/2018-28/02/2019)				
Activity	1	2	3	Notes
Final financial and narrative reporting		X	X	
1.1. Establish biodiversity database systems for Mozambican Research and Academic Institutions.	X			
1.2. Mobilize data from non-Mozambican institutions.			X	
1.3. Twinning programmes with collections and biodiversity research institutions in the SADC region.		X	X	
2.1. Identify species of conservation concern for Mozambique.		X	X	
2.2. Conduct Red List Assessments.		X	X	
3.1. Round table discussion with policy makers in Mozambique to identify information priorities.		X	X	
3.2. Make the mobilised data available nationally and internationally.			X	
3.3 Provide data to national and international land use decision making tools.			X	



<BID project id>

<Start and end date of the reporting period>



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 project coordinating team have a good relationship with all stakeholders implementing this BID project including the Eduardo Mondlane University Herbarium, the National Herbarium under IIAM, the Natural History Museum, Entomological sector of the Agricultural Ministry, and the Fish Research Institute. Moreover, the coordinating team is happy with ongoing collaboration with BID project partners such as SECOSUD II – BioNoMo initiative, Royal Botanic Gardens Kew, SANBI, and SAIAB. The coordinating team, for example, worked closely with SECOSUD II to select the best digitizer's candidate. In addition, SECOSUD II provides technical support to ensure data mobilization. Kew is working closely with the coordinating team on building a list of priority plant species for data mobilization and organising workshops to assess the species conservation status.

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) ?

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

During the implementation of the BID-AF2017-004-NAC project activities, with particular emphasis to meetings, Red Listing workshops and training, the logo of European Union, GBIF, and BID as well as logos of project partners and stakeholders will be included on appropriate material (e.g. slides or other training material). Where possible, in collaboration with project partners, social media will be used to ensure visibility of BID project.

Sources of verification

Training material, and social media links.

6.2. Visibility of the EU contribution

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

Short summary

The office of the coordinating team will have a poster, displayed all time, providing details on BID's work. The poster will have logo of EU together with logos of project partners and implementing stakeholders.

Sources of verification

Poster image



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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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